BrightSource

June 15, 2012

Mr. Joseph Douglas
Compliance Project Manager
California Energy Commission, Siting, Transportation, and Environmental Protection Division
1516 9th Street
Sacramento, CA 95814

RE: Ivanpah Solar Electric Generating System (07-AFC-5C)
Condition of Certification COMP-6: May 2012 Monthly Compliance Report No. 20

Dear Mr. Douglas,

Please find attached the Monthly Compliance Report for the Ivanpah Solar Electric Generating System for the month of May 2012 for your review and comment. The template you provided was used as a basis for this report along with the requirements included in Condition of Certification COMP-6. This document also includes the following monthly reports required under the project Conditions of Certification:

Exhibit 4	Air Quality Monthly Monitoring Report
Exhibit 7	Cultural Resources Monthly Monitoring Report
Exhibit 8	Paleontological Resources Monthly Compliance Report
Exhibit 9	Biological Resources Monthly Monitoring Report

Please feel free to contact me with any questions, concerns, or comments. Thank you.

Sincerely,

Jennifer Wallens for

Tracie A. Wheaton
Environmental Compliance Manager
1999 Harrison Street, Suite 2150
Oakland, CA 94612
Phone (702) 768-7188
twheaton@brightsourceenergy.com

Cc: Tom Hurshman, Bureau of Land Management, Montrose, CO
Raymond Lee, Bureau of Land Management, Needles, CA
Larry LaPre, Bureau of Land Management, Moreno Valley, CA
Mike Bobinecz, BSE, Ivanpah
Tim Fisk, NRG, Houston, TX
Paul Zavesoff, NRG, Carlsbad, CA
Raymond Kelly, NRG, Carlsbad, CA
Randall Hickok, NRG, Carlsbad, CA

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Cc. Continued:
David Beaudoin, NRG, Ivanpah
Joe Conkling, Google, Mtn View, CA
Terry Copeland, Bechtel Corporation, Ivanpah
Marc Sydnor, BSE, Oakland, CA
Douglas Davis, BSE, Ivanpah
Brad Brownlow, BSE, Oakland, CA
Michelle Farley, BSE, Oakland, CA
Christopher Meyer, Bureau Veritas, Ivanpah
Bruce Snyder, Parsons, Denver, CO
John Carrier, CH2MHill, Sacramento,CA

Ivanpah Solar Electric Generating System
California Energy Commission (07-AFC-5C)
Bureau of Land Management
(CACA-48668, 49502, 49503, and 49504)

Condition of Certification COMPLIANCE-6
Monthly Compliance Report No. 20
May 2012 Reporting Period

June 15, 2012

Prepared by: Jennifer Wallens
Site Compliance Assistant
BrightSource Energy
1999 Harrison Street, Suite 2150
Oakland, CA 94612

Ivanpah Solar Electric Generating System
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MONTHLY COMPLIANCE REPORT

May site construction and compliance activities were focused on the continued development of the Power and Administration facilities within the CLA (Construction Logistics Area), Pylon and Heliostat installation in Unit 1, Unit 2, Unit 3, Air Cooled Condenser, Powerblock equipment assembly and erection. Biological monitoring by authorized Biologists of all construction activities continued, including all required animal husbandry in accordance with the requirements within the Conditions of Certification. The following excerpts from the May Monthly Progress Report by Bechtel Power Corporation provides status of the work performed through May 2012. The total project percent complete now stands at 42.4%.

Environmental

- Site related environmental and compliance

  issues: SWPPPIssues

  - There were no qualifying rain events this month. During this reporting period, everything was found to be in compliance with the Storm Water Pollution Prevention Plan as amended by the CEC directives. The silt fence along the Common east perimeter was removed and replaced with hay bales. See details in Exhibit 5 Drainage, Erosion, and Sediment Control Summary.

SpillsforMay

- There were 34 spill events during the month. Incident reports were created for each event and the spills were properly remediated with soils containerized for proper disposal. The spills consisted of diesel fuel, hydraulic oil, tire fill, transformer oil, WD-40, transformer oil, and other motor oils. All spills were small in nature. All spills were properly contained and cleaned up.

Environmental Compliance Management:

There were no environmental compliance submittals made during the month of May 2012, by Bechtel.

Construction Common Logistics Area

Work Completed

- Terminate 115V UG cable at Unit 1 dead end structure
- Commence 115kV underground to SCE switchyard

Workinprogress

- Trenching for U/G utilities
- Installation of above ground piping (WR system)
- Heliostat assembly
- Admin building erection
- Admin building septic system installation

- Permanent well pump installation
- Install MCCs and panels in admin building
- Erect cable tray in admin building
- Install AG conduit in admin building
- Pull and terminate wire and cable in admin building
- Cathodic protection for fuel gas pipeline
- Kern River tie in

- NewWorkactivitiesnextmonth
- Install batteries in Admin building

Unit 1

Workcompleted

- Demin Water tank static test
- Condensate polisher equipment set
- Isophase bus FREP
- Heater bay steel erection

Workinprogress

- Auguring and pylon insertion in Unit 1 solar field (On hold for last 8% until post power block completion)
- Erection of AG pipe and hangers in tower (tiers 1-9)
- ELT & weld out of LB pipe and hangers in boiler (tiers 10-14)
- CDPU pylon installation, CPDU installation, Trenching and CPDU cable installation
- Heliostat installation
- Installa Installation of turbine area LB pipe and hangers
- Erection of pre-engineered PSB
- Cable tray installation (tiers 1-9)
- AG conduit installation in tower
- WT Area tank/equipment installation
- ACC siding
- Isophase bus support steel erection
- Steam duct installation
- FREP night preservation boiler
- 115kV switchyard erection
- Heater bay cable tray
- Turbine/heater bay conduit
- Set condensate pumps

- NewWorkactivitiesnextmonth
- Insulation Subcontractor mobilization
- Erect STG enclosure steel

- Construction of STG lube oil system

Unit 2

- Workcompleted
- Assemble boiler module 4 (Tier 13) at ground level

- Assemble boiler module 5 (Tier 14) at ground level
- Set boiler module 4 (tier 13) on Tower
- Set boiler module 5 (tier 14) on Tower
- Install/dress out dry surface air cooler
- Preassembled upper protection panels
- Erect ACC street 1 & 2 steel bents and understructure
- FREP WT Foundations
- FREP ACC foundations
- Set STG – IP/LP
- Erect heater bay steel
- Erect raw/fire water tank
- Trenching for U/G utilities

- Workinprogress
- Unit 2 perimeter fencing activities
- Solar field mowing
- Auguring and Pylon installation in Solar Field
- Heliostat installation in Solar Field
- Tower tiers 1-9 LB pipe and hanger erection
- Install batteries and racks in PSB
- FREP WT Foundations
- FREP ACC foundations
- Install cable tray (Tiers 1-9)
- PSB erection
- PSB Switchgear installation
- Erect raw/fire water tank
- Install/dressout WSAC
- Align STG train
- Erect ACC street 3 steel bents and understructure
- Preassemble Fan Bells
- Lift & set ACC Fan Bells
- Preassemble ACC Street 1 motor bridges
- FREP LO foundation
-

- NewWorkactivitiesnextmonth
- Lube oil system installation
- Iso-phase bus installation
- Install TMD

- **Unit 3**

- Workcompleted
- Assemble tower tier 8 module at grade
- Assemble tower tier 9 module at grade
- Set Tier 8 on tower
- Set Tier 9 on tower
- Set Tier 10 on Tower
- Aux Transformer dressout
- SST dressout
- FREP heater bay foundation
- FREP steam duct supports from STG to ACC
- Set LP FW heater 1 & 2

- Work in progress
- Installation of UG pipe and electrical utilities
- Grounding grid installation
- Assemble boiler module 2 (Tier 11) at ground level
- Assemble boiler module 3 (Tier 12) at ground level
- Assemble boiler module 4 (Tier 13) at ground level
- FREP turbine pedestal
- FREP WT foundations
- PSB erection
- FREP lube oil foundations

- NewWorkactivitiesnextmonth
- Assemble Boiler module 5 (Tier 14) at grade
- Set Boiler module 2 (Tier 11) on tower
- Set Boiler module 3 (Tier 12) on tower
- Set SRSG E-house
- Set WT E-house

- Heater bay steel erection
- Erect Iso-phase bus steel
- PSB equipment room available
- Erect ACC steel bents and understructure
- Preassemble Fan Bells
- Preassemble ACC Street 1 motor bridges

Through the month of May, the project is currently 42.4% complete versus 43.8% planned, with engineering 94% complete versus 95% planned and construction 38.3% complete versus 39.7% planned.

The milestone summary schedules are attached and updated with this period's progress. The main highlights of this month's updates are:

- Milestones:
  - Unit 1: Set Main Boiler Feed-water pump on 14 May 2012
  - Unit 2: Set SRSG Steam Drum on 22 May 2012
  - Unit 3: WSAC foundation placement on 23 May 2012
  - Unit 3: Achieved 1st SRSG Boiler lift on 31 May 2012
  - Unit 3: Auxiliary Boiler foundation placement on 31 May 2012

- Common Area:
  - Work in the administration building is focused on completion of offices to provide owner operators a work area upon mobilization. An interim completion date of 1
    July 2012 has been set.
  - 6,106 heliostat assemblies were completed in the HAB this month.
  - Gas line installation (north of Colosseum Road) is 150ft short of the Kern River tie-in location. Work is now complete for backfill up to this location and installation of cathodic protection is being performed and will complete during June

- **Unit 1:**
  - Earthwork is substantially complete, with effectively only closure of the berm remaining. These sections were deliberately with held to ensure construction access be maintained during heavy traffic window of erection.
  - Final pipe fit-ups and weld-out activities for piping, headers, wall panels, including necessary small bore pipe required to support boiler hydro are continuing on a double shift installation plan. The current forecast for hydro completion is 31 Aug 12.
  - Solar field activities continue with the installation of heliostat assemblies, with a total of 33 CPDU packages turned-over to owner to-date.
  - Field erected tanks were statically tested this month.
  - The main boiler feed water pump was received and set upon arrival and work continuing with dress-out of the auxiliary boiler.
  - Erection of the WSAC equipment is now complete and bulk installations are in progress.
  - Joint walk-downs, turnovers and checkout activities are continuing with primary focus now set upon energization of the 115kV system.

- Unit 2:
  - SRSG boiler materials are now substantially received on site.
  - SRSG boiler tier 14 was erected on 30 May 2012 in-fill steel and piping is in progress, with a forecast erection of evaporator wall panels of 5 July 2012.
  - Solar field pylon installation continues, in support of the 60% project milestone and Heliostat installation has resumed.
  - Testing of the main and auxiliary transformers was completed this period. Work has begun on generator circuit breaker erection to allow iso phase installation to proceed.
  - Erection of the field erected tanks is complete, with final trim out and static tests scheduled to complete in June.

- Placement of concrete for the auxiliary boiler foundation completed this period and following access preparations work will begin on setting the boiler components on to foundation

- **Unit 3:**
  - SRSG boiler deliveries for protection panels and wall panels are on schedule to complete by 13 July 2012.
  - SRSG tower erection was completed this period.
  - 1st SRSG Boiler lift was achieved this period with the setting of Tier 10 module on 31 May 2012, two weeks ahead of the current schedule.
  - The steam turbine equipment was released for transit this month, with a projected receipt on-site in early August.
  - Major ACC foundations were completed this period.
  - Dress-out of the main transformers was completed this period and the vendor is being mobilized to the job-site in early June 2012 to perform the oil circulation and testing activities.
  - Field erected tank erection commenced this month.
  - Dry / Wet SAC cooler foundations, steel sub structure activities were completed period. Erection of the major equipment is now in progress.
  - Erection of the plant services building is continuing, with access to commence electrical equipment placement inside the rooms projected as mid June 2012.

- The FAT for Unit 3 equipment will be scheduled in June 2012

All special status plants within the rare plant transplantation area were monitored and maintained in accordance with the Special Status Plant Plan. The Animal Husbandry Plan was implemented within the tortoise pens as well as in other required areas on site. Further information on biological and botanical activities required under Conditions of Certification BIO-8, BIO-9, BIO-10, BIO-14, and BIO-18 is included in Exhibit 9. A monthly weed assessment was also conducted and the summary report has also been included in Exhibit 9.

1. Per the project Conditions of Certification, multiple reports are being submitted within this Monthly Compliance Report. Those include, Exhibit 4: Air Quality Monthly Compliance Report, Exhibit 7: Cultural Resources Monthly Monitoring Report, Exhibit 8: Paleontological Resources Monthly Compliance Report, and Exhibit 9: Biological Resources Monthly Monitoring Report.

2. The Ivanpah SEGS Compliance Matrix, including all Conditions of Certification, has been included as Exhibit 3.

3. The following list includes plan submittals that were made up to the end of this reporting period in compliance with the project's Conditions of Certification.

Condition	Actions that Satisfied the Condition	Date Submitted
AQSC-3	Submitted documentation of compliance with the Air Quality Construction Mitigation Plan	5.15.2012
AQSC-4	Submitted documentation of compliance with the Dust Plume Response Requirement	5.15.2012
AQSC-5	Submitted Construction Mitigation Report demonstrating compliance with the AQCMP	5.15.2012
BIO-6	Submitted list of all persons having completed WEAP training in April MCR	5.15.2012
BIO-7	Submitted documentation of implementation of the measures in the BRMIMP	5.15.2012
BIO-8	Submitted documentation of implementation of the measures in the BRMIMP	5.15.2012
BIO-11	Submitted documentation of implementation of the measures in the BRMIMP	5.15.2012
CIVIL-1	Submitted list of all general design documents approved by the CBO in April MCR	5.15.2012
COMP-5	Submitted Compliance Matrix containing all Conditions of Certification - Pre-Construction, Construction and Operations in April MCR	5.15.2012
COMP-6	Submitted the April 2012 Monthly Compliance Report	5.15.2012
CUL-5	Submitted list of all persons having completed WEAP training in April MCR	5.15.2012
CUL-7	Submitted Cultural Resources Monitoring Report for reporting period in April MCR	5.15.2012
PAL-4	Submitted list of all persons having completed WEAP training in April MCR	5.15.2012

PAL-5	Submitted Paleontological Resources Monitoring Report for reporting period in April MCR	5.15.2012
S&W-4	Submitted the Semi-Annual Groundwater Summary in the March 2012 MCR	4.20.2012
WORKER SAFETY-3	Submitted list of all person having completed safety training during reporting period in the April MCR	5.15.2012

4. BrightSource Energy and NRG staff attended the February 2012 meeting of the Society for the Conservation of Big Horn Sheep and came to an agreement on an amended plan and proposed condition amendment. The revised plan is being reviewed by the agencies.

5. There have been no requested or approved changes to Conditions of Certification during this reporting period.

   A copy of all agency approvals obtained from the BLM, USFWS, and the California Department of Fish and Game (CDFG) have been included as Exhibit 13. Agency approvals within Exhibit 13 include BLM and CEC approvals of the ROW for the Yates Well Road Tortoise Pens dated 5-7-2012

6. A list of project compliance activities scheduled during the next two months is included in Exhibit 2, the Ivanpah SEGS 90-day Schedule.

7. The Ivanpah SEGS on-site compliance file is maintained at the project site by the Ivanpah Senior Compliance Manager Douglas Davis. As of the end of the reporting period, the on-site compliance file contains the following information:

   - CEC Final Decision
   - CEC Notice to Proceed
   - BLM Record of Decision
   - BLM ROW Notices to Proceed
   - USFWS Biological Opinion
   - All approved BLM Verification Change Request Forms
   - WEAP Training Booklet, Training Sheets, and Training Log
   - A copy of the CRMMP, BRMIMP, and PRMMP; DT Translocation Plan, Burrowing Owl Mitigation and Monitoring Plan, Animal Husbandry Plan, AQCMP, Traffic Control Plan, Noise Control Plan, Weed Management Plan, Raven Management Plan, Avian and Bat Monitoring and Management Plan, Big Horn Sheep Plan, Closure, Rehabilitation, and Revegetation Plan, and On-Site Contingency Plan, the Special-status Plant Protection and Monitoring Plan, Special-status Plant Remedial Action Plan, BIO-9 Compliance Status

Report, Unplanned Temporary Closure/On-Site Contingency Plan, Unplanned Permanent Closure/On-site Contingency Plan, and the Groundwater Monitoring and Reporting Plan.

There were no formal complaints, warnings, notices of violation, or citations received during the reporting period.

Exhibit 1
Compliance Documentation
Condition of Certification
COMP-6

Bureau Veritas has completed Environmental Compliance activities at Ivanpah, per the CEC. Monthly Compliance Summaries from BV will no longer be included in this monthly MCR report.

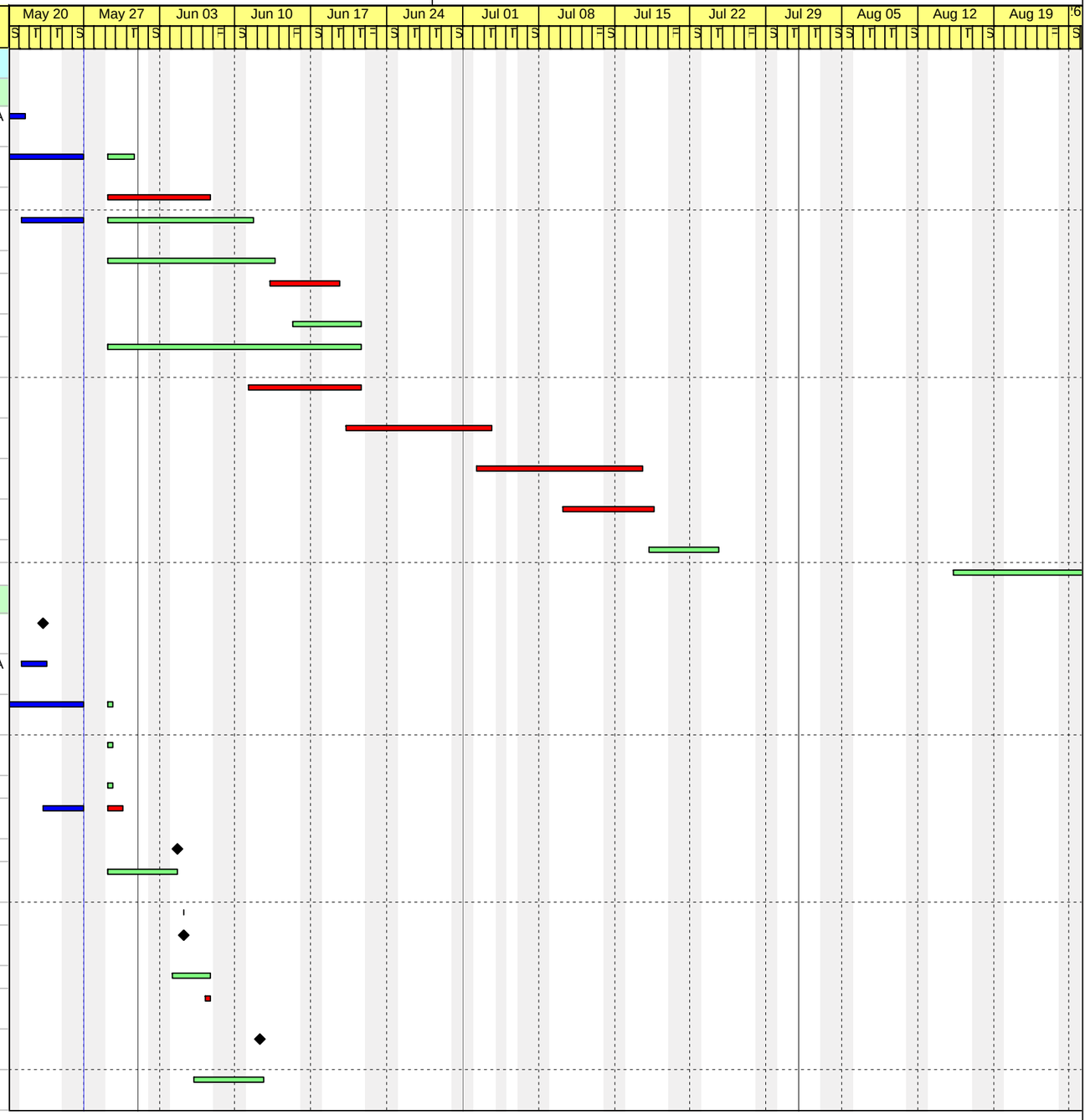
Exhibit 2

Ivanpah SEGS

90-day Schedule

Condition of Certification-Comp-6

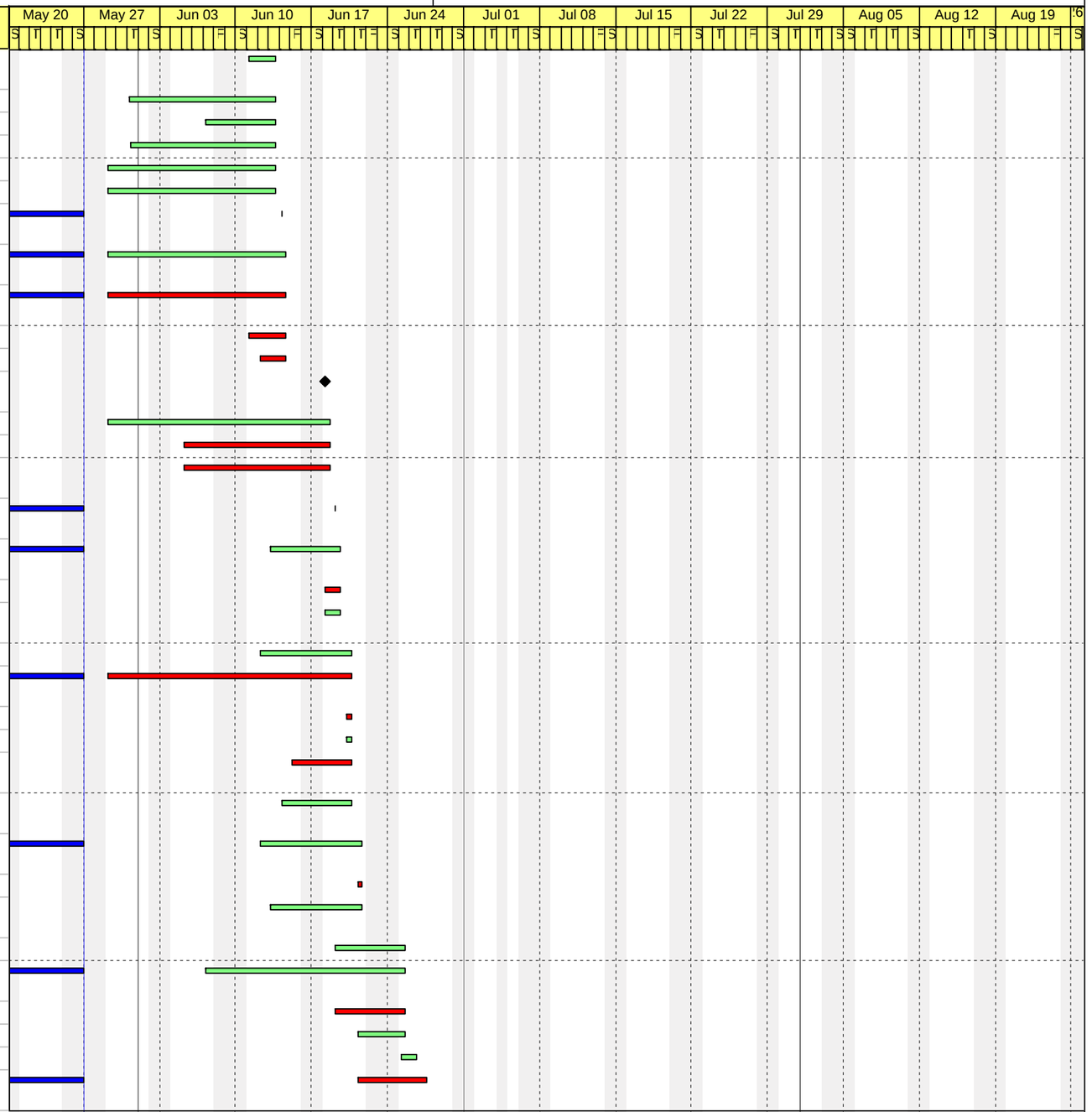
Activity ID	Activity Name	.Dur.	Start	Finish
COMMON AREA				
Yard Area / Colosseum Rd / Fuel Gas Line E of U2				
BC0015C-787	FG Pipeline: Backfill Over Piping - Ditch 36b	0	07-May-12 A	21-May-12 A
BC0015C-788	FG Pipeline: Excavate for Cathodic Protection - Ditch 36b	3	16-May-12 A	31-May-12
BC0015C-980	FG Pipeline: Backfill Pipe - Ditch 36c (last 150' @ tie-in)	7	29-May-12	07-Jun-12
BC0015C-789	FG Pipeline: Install Cathodic Protection - Ditch 36b	8	21-May-12 A	11-Jun-12
BSZ001C-010	Z002: FG Pipeline Pigging - Prep Exhibits D&E / SR	10	29-May-12	13-Jun-12
BC0015C-990	FG Pipeline: Excavate for Cathodic Protection - Ditch 36c (last 150' @ tie-in)	4	13-Jun-12*	19-Jun-12
BFZ002C-020	Z002: FG Pipeline Pigging - Prep Bid Package / IFB	5	15-Jun-12	21-Jun-12
BC0015C-790	FG Pipeline: Backfill Cathodic Protection - Ditch 36b	15	29-May-12 A	21-Jun-12
BC0015C-865	FG Pipeline: FREP Pipe Supports at U9 Pig Launcher (at Kern River Tie-in)	8	11-Jun-12*	21-Jun-12
BC0015C-1000	FG Pipeline: Install Cathodic Protection - Ditch 36c (last 150' @ tie-in)	8	20-Jun-12	03-Jul-12
BC0015C-870	FG Pipeline: Install & Test A/G Pipe at U9 Pig Launcher (at Kern River Tie-in)	10	02-Jul-12	17-Jul-12
BC0015C-1010	FG Pipeline: Backfill Cathodic Protection - Ditch 36c (last 150' @ tie-in)	6	10-Jul-12	18-Jul-12
BC0015C-800	FG Pipeline: Kern River Gas Line - Tie-In Gas Line Piping	4	18-Jul-12	24-Jul-12
BC0015C-850	FG Pipeline: Install & Test A/G Pipe at U3 Pig Receiver - Ditch 35	8	15-Aug-12	28-Aug-12
Common Area / Switchyard / Admin Bldg / Well, S of U2				
BC8113C-1020	Common: Admin Bldg - Provide Temp Power for Owner Occupancy	0	23-May-12 A	
BC0016C-140	Common 115kV ROW: U/G FO Conduit - A-Circuit (North) - Excavate	0	21-May-12 A	23-May-12 A
BC7112C-590	Common Area: Potable Water Tank, Skid, Pumps - Set	1	13-Feb-12 A	29-May-12
BC0011C-625	Common Area: CY10 - Install Approx 30' of type 2 fence, and grounding near Colosseum Rd at the guard shack	1	29-May-12*	29-May-12
BC0011C-635	Common Area: CY10 - Adjust 20' gate to finished grade	1	29-May-12	29-May-12
BC73212C-110	Common Area: 2WR1 Transfer Pumps - Alignment 9-WR-MP-002A&B	2	23-May-12 A	30-May-12
BCJD061-100	Common: JD06: Cal ISO RIG System - Deliver	0		04-Jun-12*
BC0016C-170	Common 115kV ROW: U/G FO Conduit - A-Circuit (North) - Install	4	29-May-12 A	04-Jun-12
BC7512C-205	Common Area: Fire Pumphouse - Install Stair & Diesel Fill Platform	0	05-Jun-12*	05-Jun-12
BC8113C-210	Common: Admin Bldg - Batt Rm - Turn-Over to Bechtel to Install Batteries	0		05-Jun-12*
BC00161-014	U1: EWZ0: Terminate 115Kv UG Cable at U1 Dead-End Structure	4	04-Jun-12*	07-Jun-12
BSS9EG1-010	Common: 9EG1 Grounding Common Area - Construction System Turnover	1	07-Jun-12*	07-Jun-12
BC8113C-110	Common: Admin Bldg - Electr Rm - Turn-Over to Bechtel to Install Frame & Equip	0		12-Jun-12*
BC0011C-595	Common Area: CT20 - Install & Test 2nd Permanent Well Pump & Local Piping	4	06-Jun-12*	12-Jun-12



Actual Work | Critical Remaining Work | Remaining Work | Milestone

TASK filters: IH_IPAH - 6-week look ahead STWP (Construction), IPAH - 6-WEEK LOOK AHEAD_STWP (Timeframe).

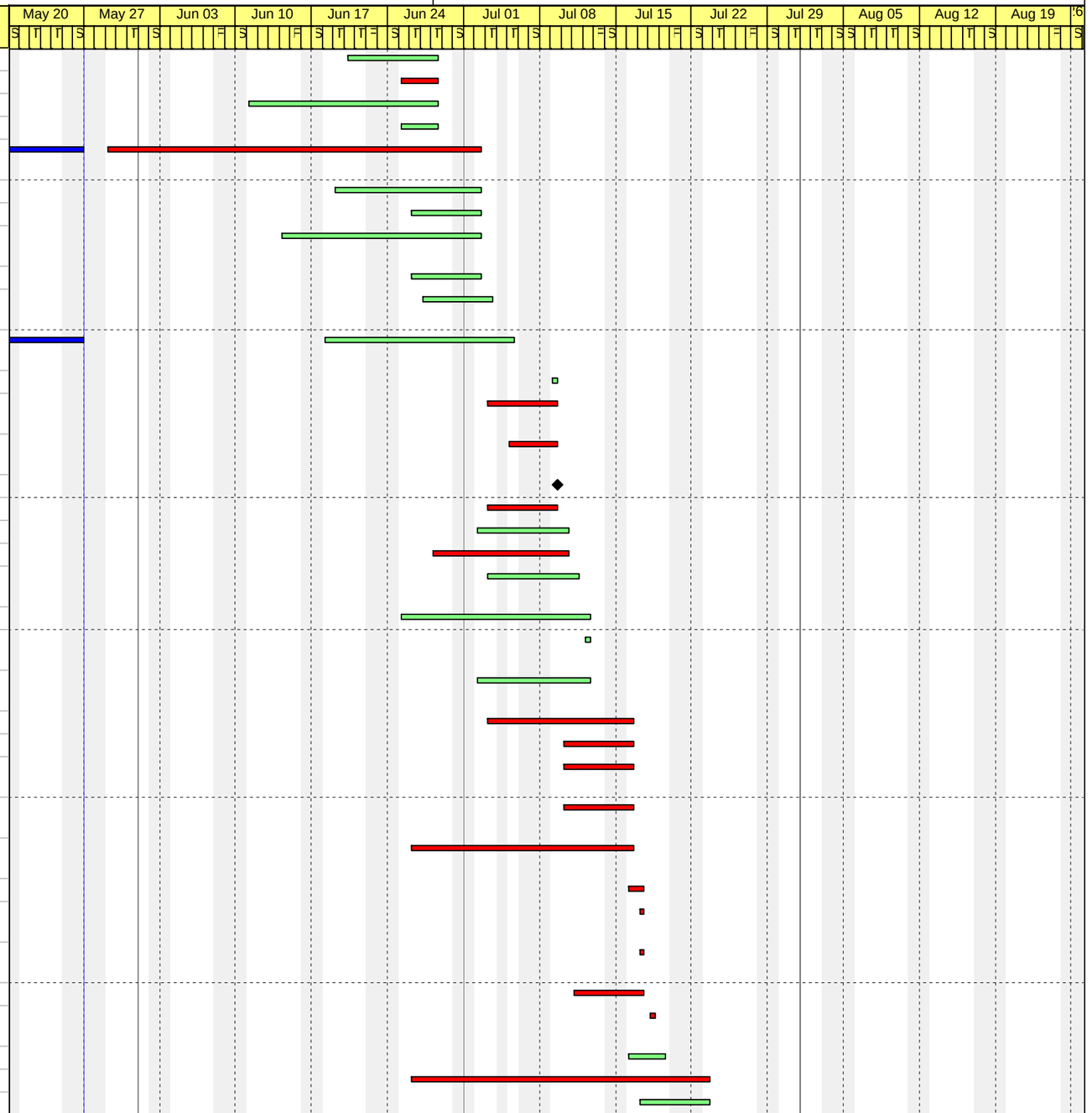
Activity ID	Activity Name	.Dur.	Start	Finish
BC00161-019	U1: EWZ0: T-Line UG XLPE Cable - U1 thru Common 115Kv Hipot Test	3	11-Jun-12	13-Jun-12
BCEH16C-020	Common: EH - Install Wire & Cable	8	31-May-12	13-Jun-12
BCEH16C-030	Common: EH - Install Terminations	4	07-Jun-12	13-Jun-12
BCEH00C-154	FPA-EH00-1: Common Area Heat Trace - Install	12	31-May-12	13-Jun-12
BC87111-420	Common: Site Prep - Complete Common Area Roadway	10	29-May-12	13-Jun-12
BC0011C-585	Common Area: Run Conduit under Berm [by SCE]	10	29-May-12	13-Jun-12
BC8113C-120	Common: Admin Bldg - Electr Rm - Set MCC Frame	0	07-May-12 A	14-Jun-12
BCMPGL1-110	Common: Admin Bldg - Install Septic Tank & Leach Field	11	27-Feb-12 A	14-Jun-12
BC8116C-020	Common: AN - Install Wire & Cable - Diesel Gen to MCC and DCS	11	16-Apr-12 A	14-Jun-12
BSS9EG1EE-010	Common: 9EG1 Grounding Common Area - Checkout	4	11-Jun-12	14-Jun-12
BC8113C-170	Common: Admin Bldg - Electr Rm - Set UPS, RVT Equip Frames	3	12-Jun-12	14-Jun-12
BC8113C-310	Common: Admin Bldg - DCS Rm - Turn-Over to Bechtel to Install Frame & Equip	0		18-Jun-12*
BC7012C-215	Common Area: Pipe Support PW512 Foundation FREP	12	29-May-12*	18-Jun-12
BC8128C-200	Common: Admin Bldg - Batt Rm - Install Batteries	8	05-Jun-12	18-Jun-12
BC8113C-380	Common: Admin Bldg - Install Fire Detection/Protection System (Incl. Fire Alarm panel)	8	05-Jun-12	18-Jun-12
BCECM1C-110	Common: Admin Bldg - Electr Rm - Set MCC Panels	0	17-May-12 A	19-Jun-12
BCPS021-340	Common Area: Install A/G WR Pipe	4	06-Oct-11 A	19-Jun-12
BC8128C-120	Common: Admin Bldg - Electr Rm - Set UPS, RVT Panels	2	18-Jun-12	19-Jun-12
BC0011C-615	Common Area: CY10 - Install Approx 70' of Type 2 fence on northwest side of laydown yard (Client VR)	2	18-Jun-12*	19-Jun-12
BC0016C-1010	Common 115kV ROW: U/G FO Conduit - A-Circuit (North) - Backfill	6	12-Jun-12	20-Jun-12
BC8113C-320	Common: Admin Bldg - DCS Rm - Set Electrical Equip Frame & Weld	14	07-May-12 A	20-Jun-12
BSVB019-110	Common: 9VB-1 - HVAC - System Walkdown	1	20-Jun-12	20-Jun-12
BSPF049-110	Common: 9PF4 - Admin Fire Prot Gaseous - System Walkdown	1	20-Jun-12	20-Jun-12
BC8113C-1010	Common: Admin Bldg - Joint Inspection for Occupancy (6 rooms south side)	4	15-Jun-12*	20-Jun-12
BSEH01C-001	Common: 9EH1 - Electrical Trace Heating Unit - System Walkdown & Punchlist	4	14-Jun-12	20-Jun-12
BCEC16C-020	Common: EC1 - Install Wire & Cable - MCC to MDB7	7	23-Apr-12 A	21-Jun-12
BSVB019-120	Common: 9VB-1 - HVAC - Construction System Turnover	1	21-Jun-12	21-Jun-12
BC0011C-605	Common Area: CY10 - Install Permanent tortoise guards on Old Colosseum Rd (Incl. grounding)	6	13-Jun-12*	21-Jun-12
BCPY10C-110	Common: Admin Bldg - Batt Rm - Install Portable Eye Wash Shower	4	19-Jun-12	25-Jun-12
BCPS021-470	Common Area: Admin Bldg Install PW Pipe & Hydro Test	10	02-May-12 A	25-Jun-12
BC8113C-140	Common: Admin Bldg - Electr Rm - Install Tray	4	19-Jun-12	25-Jun-12
BCJD061-110	Common: Admin Bldg - DCS Rm - Install CAISO RIG Cabinet	2	21-Jun-12	25-Jun-12
BCEC16C-030	Common: EC1 - Install Terminations - MCC to MDB7	2	25-Jun-12	26-Jun-12
BC8113C-160	Common: ES1 - Install Wire & Cable	4	17-May-12 A	27-Jun-12



🟦 Actual Work	🟥 Critical Remaining Work
🟩 Remaining Work ◆	◆ Milestone

TASK filters: IH_IPAH - 6-week look ahead STWP (Construction), IPAH - 6-WEEK LOOK AHEAD_STWP (Timeframe).

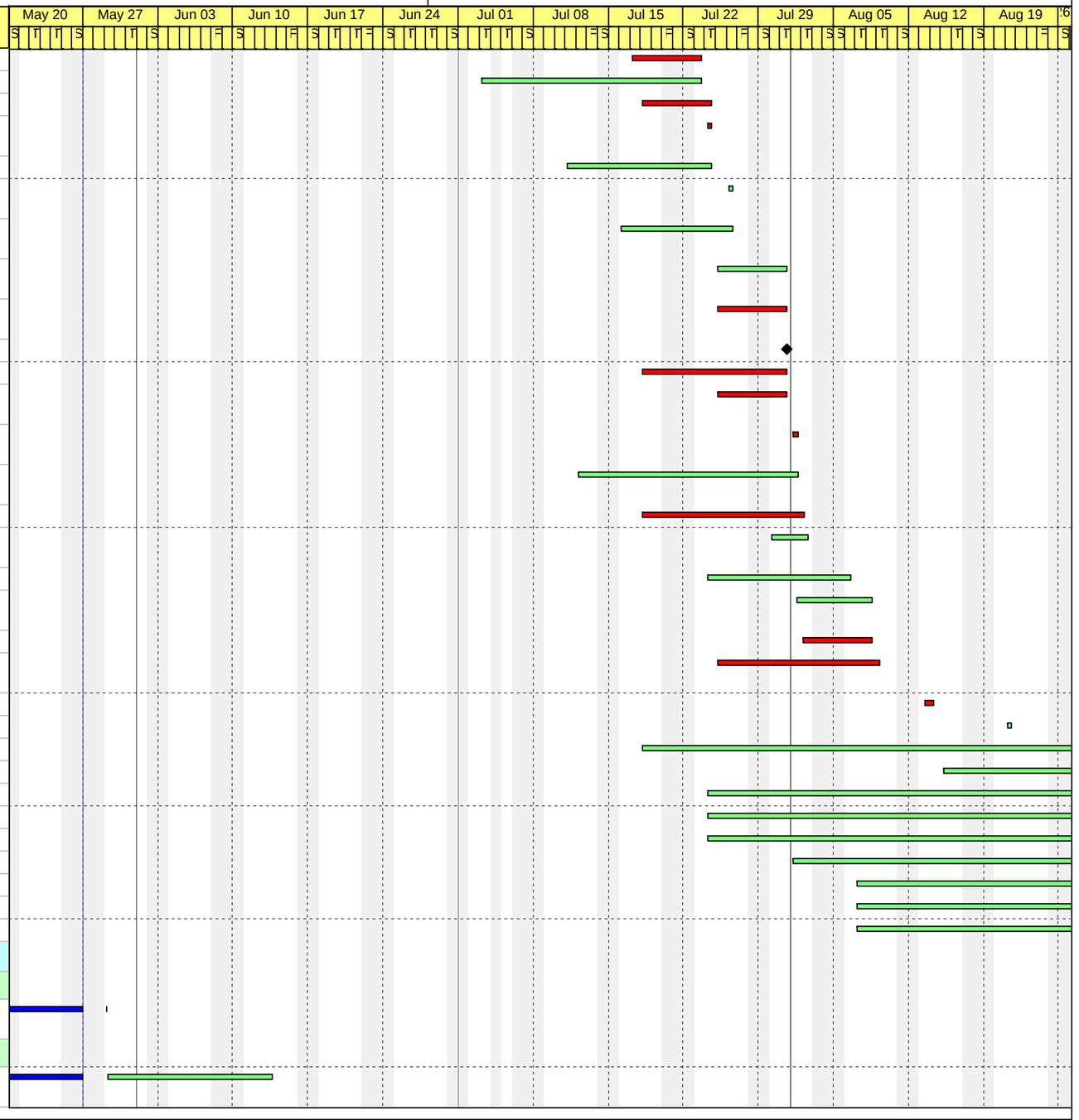
Activity ID	Activity Name	.Dur.	Start	Finish
BCEH009-164	Common Area Insulation - Install	8	20-Jun-12	28-Jun-12
BSVB019-130	Common: 9VB-1 - HVAC - Checkout	4	25-Jun-12	28-Jun-12
BC8112C-916	Common Area: Roadway Lighting - Install Poles & Light Fixtures	12	11-Jun-12*	28-Jun-12
BC8113C-440	Common: Admin Bldg - Central Control Rm - Install Tray	4	25-Jun-12*	28-Jun-12
BC8113C-100	Common: Admin Bldg - Erect	20	17-Nov-11 A	02-Jul-12
BCPW16C-021	Common: PW - Install Wire & Cable	8	19-Jun-12	02-Jul-12
BCPW16C-030	Common: PW - Install Terminations	4	26-Jun-12	02-Jul-12
BC3511C-151	Common Area: CE01 - Site Prep - Establish Berm & Armor Rock (ROW Area)	10	14-Jun-12	02-Jul-12
BC8113C-340	Common: Admin Bldg - DCS Rm - Install Tray	4	26-Jun-12	02-Jul-12
BSEC01C-001	Common: 9EC1 - MDB7 Incomer breakers and MCC - System Walkdown & Punchlist	4	27-Jun-12	03-Jul-12
BCEL16C-020	Common: EL - Install Wire & Cable	12	30-Apr-12 A	05-Jul-12
BSS9EG1-015	9EG1- System T/O to Owner	1	09-Jul-12	09-Jul-12
BCEC16C-30	Common: EC2 - Install Wire & Cable - MCC to Electrical Switchboards Admin Bldg	4	03-Jul-12	09-Jul-12
BCEC16C-130	Common: EC2 - Install Terminations - MCC to Electrical Switchboards Admin Bldg	2	05-Jul-12	09-Jul-12
BFJD01C-80	Common: JD01: DCS - Deliver Cabinets	0		09-Jul-12*
BCPF16C-100	Common: 9PF1 - Install Cable and Terms to MCC	4	03-Jul-12	09-Jul-12
BCPS021-440	Common Area: Grade Water Well Area	6	02-Jul-12	10-Jul-12
BC8128C-205	Common: Admin Bldg - Batt Rm - Install Access Floor System	7	28-Jun-12	10-Jul-12
BC0011C-400	Common Area: CY10 - Install Permanent Fence for Admin Building Area (motorized gate, swing gate, perm tortoise guards)	6	03-Jul-12	11-Jul-12
BCEL16C-030	Common: EL - Install Terminations	12	25-Jun-12	12-Jul-12
BSS9EH1-010	Common: 9EH1 Heat Tracing Common Area - Construction System Turnover	1	12-Jul-12*	12-Jul-12
BC8113C-460	Common: Admin Bldg - Central Control Rm - Run Cables under Access Floors	8	02-Jul-12	12-Jul-12
BCEU16C-100	Common: EU - Install Wire & Cable	8	03-Jul-12	16-Jul-12
BCEU16C-110	Common: EU - Install Terminations	4	10-Jul-12	16-Jul-12
BSEC02C-001	Common: 9EC2 - Electrical Switchboards Admin Bldg - System Walkdown & Punchlist	4	10-Jul-12	16-Jul-12
BSES01C-001	Common: 9ES1 - Admin Bldg Transformer & MCC - System Walkdown & Punchlist	4	10-Jul-12	16-Jul-12
BSPF039-110	Common: 9PF3 - Admin Wet Pipe Sprinkler - System Walkdown & Punchlist	12	26-Jun-12	16-Jul-12
BCJD01C-100	Common: Admin Bldg - DCS Rm - Set DCS Cabinets	2	16-Jul-12	17-Jul-12
BSS9EC2-010	Common: 9EC2 Electrical Switchboards Admin Building - Construction System Turnover	1	17-Jul-12*	17-Jul-12
BSS9ES11-010	Common: 9ES1 Common Area Admin & Control Bldg SST - Construction System Turnover	1	17-Jul-12*	17-Jul-12
BSED01C-001	Common: 9ED1 - Admin Bldg Battery - System Walkdown & Punchlist	4	11-Jul-12	17-Jul-12
BSS9ED1-010	Common: 9ED1 Common Area Admin Bldg Battery System - Construction System Turnover	1	18-Jul-12*	18-Jul-12
BSS9EH1EE-10	Common: 9EH1 Heat Tracing Common Area - Checkout	4	16-Jul-12	19-Jul-12
BC8116C-010	Common: Admin Bldg - Install A/G Conduit	16	26-Jun-12	23-Jul-12
BC8113C-150	Common: Admin Bldg - Electr Rm - Install Access Floor System	4	17-Jul-12	23-Jul-12



Actual Work | Critical Remaining Work | Remaining Work | Milestone

TASK filters: IH_IPAH - 6-week look ahead STWP (Construction), IPAH - 6-WEEK LOOK AHEAD_STWP (Timeframe).

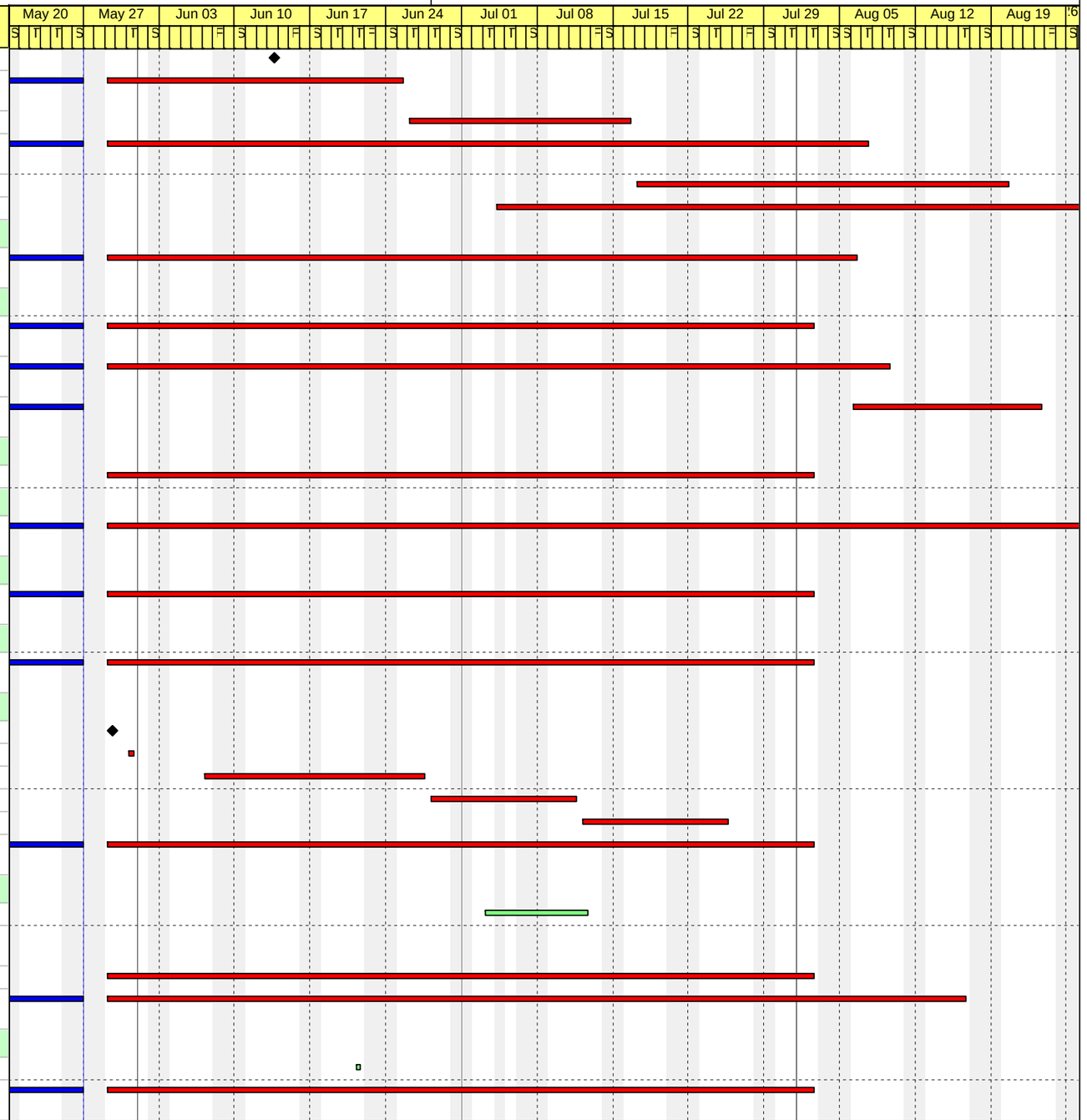
Activity ID	Activity Name	.Dur.	Start	Finish
BSEU01C-001	Common: 9EU1 - Admin Bldg UPS - System Walkdown & Punchlist	4	17-Jul-12	23-Jul-12
BC8113C-360	Common: Admin Bldg - DCS Rm - Run Cables under Access Floor	12	03-Jul-12	23-Jul-12
BCAN16C-030	Common: AN - Install Terminations - Diesel Gen to MCC and DCS	4	18-Jul-12	24-Jul-12
BSS9EU1-010	Common: 9EU1Common Area Bldg Admin UPS System - Construction System Turnover	1	24-Jul-12*	24-Jul-12
BCPS021-445	Common Area: Install Scour Protection Around Raw Water Tank	8	11-Jul-12	24-Jul-12
BSS9EC1-010	Common: 9EC1 Common Area MDB7 incomer breakers & MCC - Construction System Turnover	1	26-Jul-12*	26-Jul-12
BC8113C-450	Common: Admin Bldg - Central Control Rm - Install Access Floor System	8	16-Jul-12	26-Jul-12
BC0011C-180	Common Area: CY10 - Install Permanent Combo Fence for Water Well Pump Area	4	25-Jul-12	31-Jul-12
BSAN01C-001	Common: 9AN-1 Emergency Diesel Generator - System Walkdown & Punchlist	4	25-Jul-12	31-Jul-12
BFJD081-200	Common: JD08: Simulator - Jobsite delivery	0		31-Jul-12
BSS9EC2EE-010	Common: 9EC2 Electrical Swtichboards Admin Building - Checkout	8	18-Jul-12	31-Jul-12
BSS9ED1EE-010	Common: 9ED1 Common Area Admin Bldg Battery System - Checkout	4	25-Jul-12	31-Jul-12
BSAN01C-010	Common: 9AN-1 Emergency Diesel Generator - Construction System Turnover	1	01-Aug-12	01-Aug-12*
BC8113C-990	Common Area: AKBS - Admin Bldg - Walkdown / Punchlist Building Turnover w/Owner	12	12-Jul-12	01-Aug-12
BSS9ES1EE-010	Common: 9ES1 Common Area Admin & Control Bldg SST - Checkout	9	18-Jul-12	02-Aug-12
BC8128C-010	Common: Admin Bldg - Central Control Rm - Set Main Fire Panel 9-PF-MFAP-001	4	30-Jul-12	02-Aug-12
BC8113C-350	Common: Admin Bldg - DCS Rm - Install Access Floor System	8	24-Jul-12	06-Aug-12
BSS9EC1EE-010	Common: 9EC1 Common Area MDB7 incomer breakers & MCC - Checkout	4	01-Aug-12	08-Aug-12
BSAN01C-100	Common: 9AN-1 Emergency Diesel Generator - Checkout	4	02-Aug-12	08-Aug-12
BSS9EU1EE-010	Common: 9ESU1 Common Area Bldg Admin UPS Systemr - Checkout	9	25-Jul-12	09-Aug-12
BSS1PM-020	U1: ADMIN BUILDING READY	1	13-Aug-12	14-Aug-12*
BC8113C-130	Common Area: AKBS - Admin Bldg - Ready for occupancy	1	21-Aug-12	21-Aug-12
BCJD16C-020	Common: JD - Install Wire & Cable	24	18-Jul-12	28-Aug-12
BCJD08C-010	Common: Install JD08 Simulator in Admin Building	8	15-Aug-12	28-Aug-12
BCEW16C-020	Common: EW - Install Wire & Cable	24	24-Jul-12	03-Sep-12
BCEE16C-020	Common: EE - Install Wire & Cable	24	24-Jul-12	03-Sep-12
BCEF16C-020	Common: EF - Install Wire & Cable	24	24-Jul-12	03-Sep-12
BCJD16C-030	Common: JD - Install Terminations	24	01-Aug-12	12-Sep-12
BCEW16C-030	Common: EW - Install Terminations	24	07-Aug-12	18-Sep-12
BCEE16C-030	Common: EE - Install Terminations	24	07-Aug-12	18-Sep-12
BCEF16C-030	Common: EF - Install Terminations	24	07-Aug-12	18-Sep-12
UNIT 1				
Powerblock Yard Area Underground, SE				
BC00161-490	U1: Powerblock Yard Area - Install Grounding	0	05-Mar-12 A	29-May-12
Boiler / Tower Level 1				
BPMJKH1-090	MJKH: Hoists - Fab & Ex-Works	12	21-Feb-12 A	13-Jun-12



Actual Work | Critical Remaining Work | Remaining Work | Milestone

TASK filters: IH_IPAH - 6-week look ahead STWP (Construction), IPAH - 6-WEEK LOOK AHEAD_STWP (Timeframe).

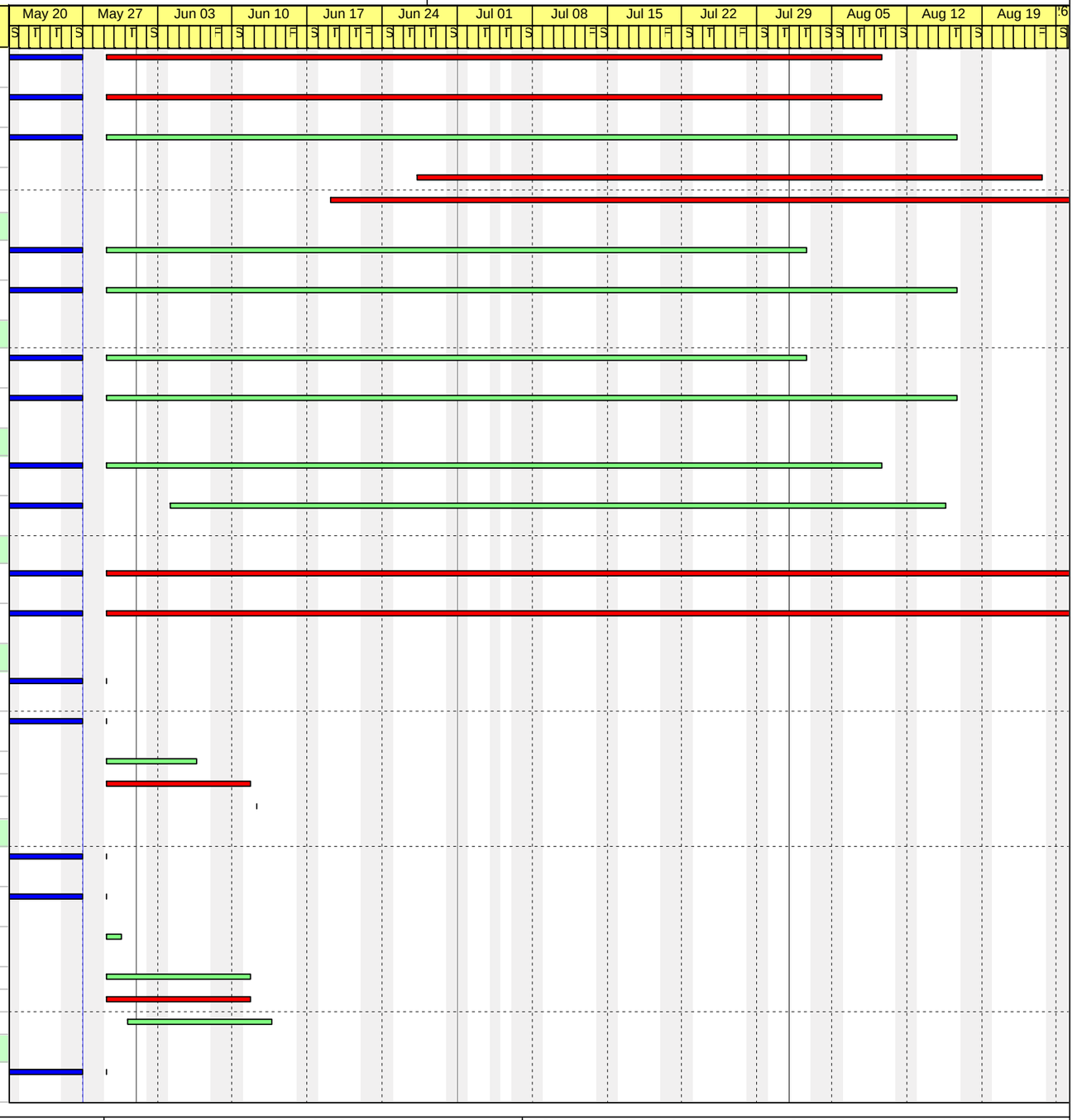
Activity ID	Activity Name	.Dur.	Start	Finish
BFMJKH1-100	U1: MJKH: Hoists - Shipping / Delivery to Site	0		13-Jun-12
BC10211-140	U1: MPGB: Main Boiler Feedwater Pump - Set Pump and Turbine	16	14-May-12 A	25-Jun-12
BC10211-150	U1: MPGB-2 Main BFP Turbine L.O. Skid - Install Equipment	12	26-Jun-12	16-Jul-12
BC10151-710	U1: SRSG Tower - Tier 1 - Install SB Pipe & Hangers (LOE)	50	09-Apr-12 A	07-Aug-12
BC21151-160	U1: Boiler Feed Pump Area - Install Fire Protection System	20	17-Jul-12	20-Aug-12
BC10171-100	U1: SRSG Area - Install Instrumentation	44	04-Jul-12	19-Sep-12
Boiler / Tower Level 2				
BC10151-720	U1: SRSG Tower - Tier 2 - Install SB Pipe & Hangers (LOE)	49	09-Apr-12 A	06-Aug-12
Boiler / Tower Level 3				
BC10151-730	U1: SRSG Tower - Tier 3 - Install SB Pipe & Hangers (LOE)	47	30-Apr-12 A	02-Aug-12
BC10161-380	U1: SRSG Tower - Install Cable Tray Tiers 1~9] (LOE)	43	06-Oct-11 A	09-Aug-12
BC10161-360	U1: SRSG Tower Area - Install A/G Conduit (LOE)	12	24-Jan-12 A	23-Aug-12
Boiler / Tower Level 4				
BC10151-740	U1: SRSG Tower - Tier 4 - Install SB Pipe & Hangers (LOE)	47	29-May-12	02-Aug-12
Boiler / Tower Level 5				
BC10151-750	U1: SRSG Tower - Tier 5 - Install SB Pipe & Hangers (LOE)	65	02-Apr-12 A	28-Aug-12
Boiler / Tower Level 6				
BC10151-760	U1: SRSG Tower - Tier 6 - Install SB Pipe & Hangers (LOE)	47	20-Mar-12 A	02-Aug-12
Boiler / Tower Level 7				
BC10151-770	U1: SRSG Tower - Tier 7 - Install SB Pipe & Hangers (LOE)	47	20-Mar-12 A	02-Aug-12
Boiler / Tower Level 8				
BFEKL31-205	U1: EKL3-1: SRSG E-House - Deliver HVAC to Site	0		29-May-12*
BC10281-105	U1: EKL3-1: SRSG E-House - Set HVAC in Tier 8 (rig from the side)	1	31-May-12*	31-May-12
BC10281-220	U1: EKL3-1: SRSG E-House - HVAC Install	12	07-Jun-12	27-Jun-12
BSEK031-001	U1: EK-3 - SRSG E-House - System Walkdown	8	28-Jun-12	11-Jul-12
BSEK031-010	U1: EK-3 - SRSG E-House - Construction Turnover	8	12-Jul-12	25-Jul-12
BC10151-780	U1: SRSG Tower - Tier 8 - Install SB Pipe & Hangers (LOE)	47	20-Mar-12 A	02-Aug-12
Boiler / Tower Level 9				
BC10411-590	U1: SRSG Boiler Circulation Pumps Motors A & B - Stage in Tier 10	7	03-Jul-12	12-Jul-12
BC10151-198	U1: SRSG Tower - Rig & Load LB Pipe (All Tiers) (LOE)	44	20-Sep-11 A	30-Jul-12
BC10151-790	U1: SRSG Tower - Tier 9 - Install SB Pipe & Hangers (LOE)	47	29-May-12	02-Aug-12
BC10151-199	U1: SRSG Tower - Weld-Out LB Pipe (T1 - T9) (LOE)	57	22-Aug-11 A	16-Aug-12
Boiler / SRSG Tier 10				
BNEH001-100	U1: EH00-2: RPI Pipe Heat Trace - Deliver	1	21-Jun-12	21-Jun-12
BC10151-800	U1: SRSG - T10 - Install SB Pipe & Hangers	47	20-Mar-12 A	02-Aug-12



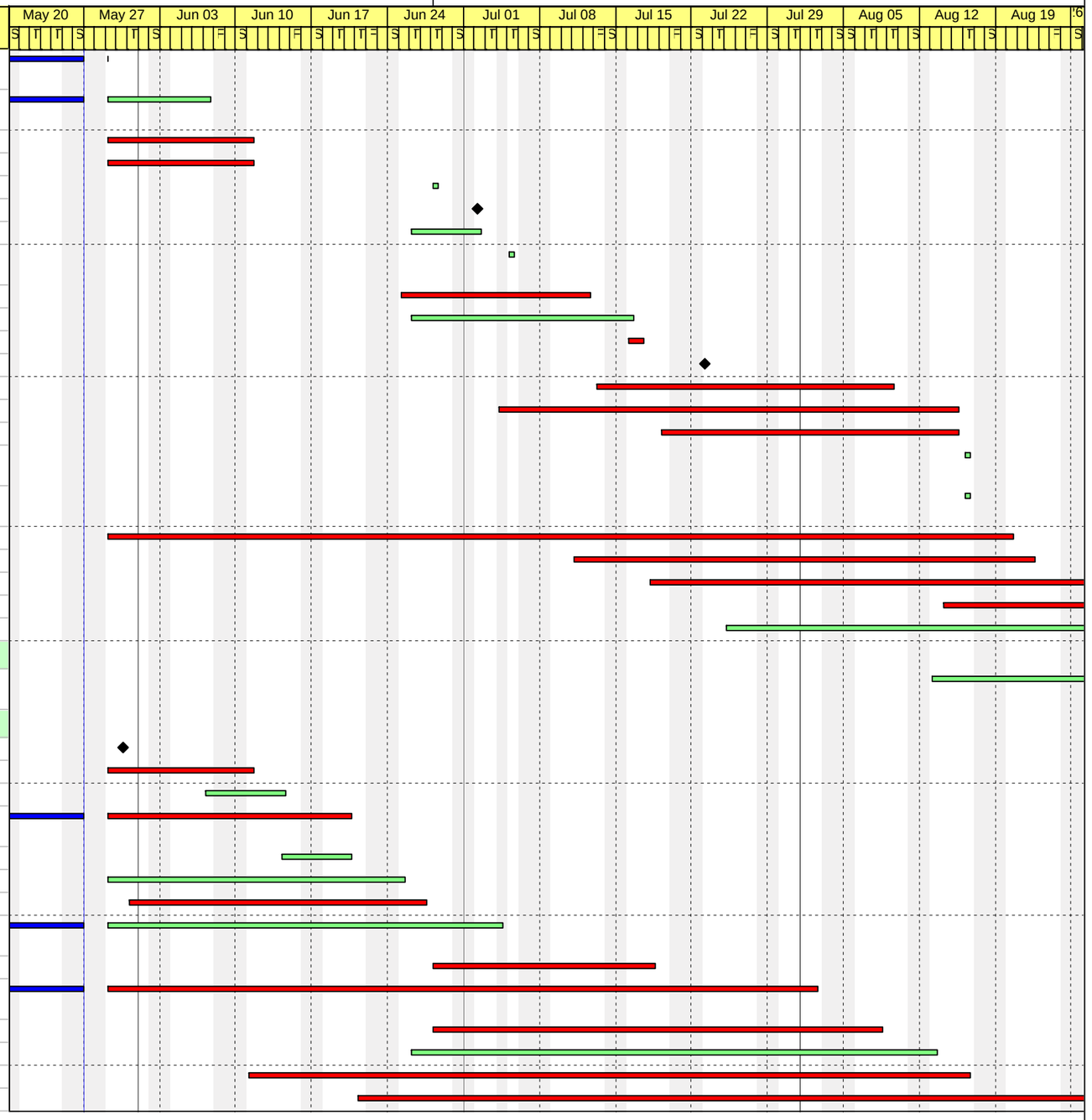
Actual Work | Critical Remaining Work | Remaining Work | Milestone

TASK filters: IH_IPAH - 6-week look ahead STWP (Construction), IPAH - 6-WEEK LOOK AHEAD_STWP (Timeframe).

Activity ID	Activity Name	.Dur.	Start	Finish
BC10161-385	U1: SRSG Boiler - Install Cable Tray SRSG T10-T14 (LOE)	52	26-Mar-12 A	09-Aug-12
BCEWE11-100	U1: SRSG Boiler: Prep & Cut cable	52	22-Feb-12 A	09-Aug-12
BC10151-850	U1: SRSG - T10 - ELT / Weld-out LB Pipe	57	13-Feb-12 A	16-Aug-12
BC10161-390	U1: SRSG - Install A/G Conduit (LOE)	42	27-Jun-12	24-Aug-12
BC10161-395	U1: SRSG Tower & Boiler Area - Cabling (LOE)	52	19-Jun-12	30-Aug-12
Boiler / SRSG Tier 11				
BC10151-860	U1: SRSG - T11 - Install SB Pipe & Hangers	47	19-Mar-12 A	02-Aug-12
BC10151-840	U1: SRSG - T11 - ELT / Weld-out LB Pipe	57	20-Feb-12 A	16-Aug-12
Boiler / SRSG Tier 12				
BC10151-870	U1: SRSG - T12 - Install SB Pipe & Hangers	47	19-Mar-12 A	02-Aug-12
BC10151-830	U1: SRSG - T12 - ELT / Weld-out LB Pipe	57	27-Feb-12 A	16-Aug-12
Boiler / SRSG Tier 13				
BC10151-820	U1: SRSG - T13 - ELT / Weld-out LB Pipe	52	16-Apr-12 A	09-Aug-12
BC10151-880	U1: SRSG - T13 - Install SB Pipe & Hangers	52	26-Mar-12 A	15-Aug-12
Boiler / SRSG Tier 14				
BC10151-299	U1: SRSG - T14 - ELT / Weld-out LB Pipe	75	07-May-12 A	11-Sep-12
BC10151-890	U1: SRSG - T14 - Install SB Pipe & Hangers	82	03-May-12 A	20-Sep-12
Auxiliary (Gas) Boiler Underground				
BC0015C-950	FG Pipeline: FREP Pipe Supports PA Foundation	0	30-Apr-12 A	29-May-12
BC19121-260	U1: SA - Aux Steam Support Foundations (North Side) Excavate	0	07-May-12 A	29-May-12
BC19121-240	U1: SA - Aux Steam Support Foundations (North Side) FREP	6	29-May-12	06-Jun-12
BC05121-200	U1: Aux Boiler Pipe Rack Foundation FREP	8	29-May-12	11-Jun-12
BC0015C-830	FG Pipeline: Install & Test A/G Pipe at U1 Pig Receiver	0	12-Jun-12	12-Jun-12
Auxiliary (Gas) Boiler Underground - South				
BC38121-110	U1: EU00-2:SRSG UPS & Electrical Module Backfill prior to FREP	0	15-May-12 A	29-May-12
BC33121-777	U1: ETP2-2: BCP MCC Transformers Foundations Backfill prior to FREP	0	15-May-12 A	29-May-12
BC19121-250	U1: Night Preservation Boiler & Pumps - Foundation Backfill prior to FREP	2	29-May-12*	30-May-12
BC38121-100	U1: EU00-2:SRSG UPS & Electrical Module FREP	8	29-May-12	11-Jun-12
BC33121-380	U1: ETP2-2: BCP MCC Transformers Foundations FREP	8	29-May-12	11-Jun-12
BC19121-110	U1: Night Preservation Boiler & Pumps - Foundation FREP	8	31-May-12	13-Jun-12
Auxiliary (Gas) Boiler Level 1				
BC19271-100	U1: MEE0 - Fuel Gas Heater - Set	0	09-May-12 A	29-May-12



Activity ID	Activity Name	Dur.	Start	Finish
BC19371-180	U1: MBFD: Aux Boiler - Gas - Install Aux Boiler economizer, ductwork, and stack	0	26-Apr-12 A	29-May-12
BC19371-170	U1: MBFD: Aux Boiler - Gas - Install Aux Boiler FD Fan	7	10-May-12 A	07-Jun-12
BC19271-110	U1: MSXF Fuel Gas Separator - Install Equipment	8	29-May-12*	11-Jun-12
BC19241-100	U1: MSXF Fuel Gas Drain Tank - Install Equipment	8	29-May-12*	11-Jun-12
BSEU021-80	U1: 9EQ1 - Cathiodic Protection - Construction System Turnover	1	28-Jun-12*	28-Jun-12
BNEU001-095	U1: EU00-2: SRSG Area UPS & Electrical Module - Deliver to Site	0		02-Jul-12
BC33281-380	U1: ETP2-2: Install BCP UPS E-House Transformers	4	26-Jun-12	02-Jul-12
BSS1EU6EE-STO	U1: 1EU6 - U1 ACC AC UPS Distribution Panel - Construction System Turnover	1	05-Jul-12*	05-Jul-12
BC05131-210	U1: Aux Boiler Pipe Rack Steel Erection	12	25-Jun-12*	12-Jul-12
BC19171-110	U1: Fuel Gas - Install Instrumentation	12	26-Jun-12	16-Jul-12
BC38281-100	U1: EU00-2: Install SRSG UPS & Electrical Module	2	16-Jul-12	17-Jul-12
BCMBF11-110	U1: MBFD-2: Night Preservation Boiler - Deliver	0		23-Jul-12
BC05151-220	U1: Aux Boiler Area - Install LB Pipe & Hangers (LOE)	20	13-Jul-12	09-Aug-12
BC19161-020	U1: Aux Boiler Area - Install Cable Tray (LOE)	25	04-Jul-12	15-Aug-12
BC05151-230	U1: Aux Boiler Area - Install SB Pipe & Hangers (LOE)	20	19-Jul-12	15-Aug-12
BSS1EU5EE-STO	U1: 1EU5 - SRSG UPS System,DCS & SWAS ,BCP - Construction System Turnover	1	16-Aug-12*	16-Aug-12
BSS1EU3EE-STO	U1: 1EU3 - U1 BCP Motor's UPS System- Construction System Turnover	1	16-Aug-12*	16-Aug-12
BC19161-174	U1: Fuel Gas Area - Cabling (LOE)	48	29-May-12*	20-Aug-12
BC19161-030	U1: Aux Boiler Area - Install A/G Conduit (LOE)	25	11-Jul-12	22-Aug-12
BC19161-164	U1: Aux Boiler Area - Cabling (LOE)	25	18-Jul-12	29-Aug-12
BC19171-100	U1: Aux Boiler Area - Install Instrumentation	12	14-Aug-12	03-Sep-12
BC19371-120	U1: MBFD-2 - Night Preservation Boiler - Install Equipment	28	25-Jul-12	12-Sep-12
Turbine Area Underground				
BC21121-371	U1: Steam Turbine Maintenance and Laydown (North) FREP (Second 1/2)	12	13-Aug-12*	30-Aug-12
Turbine Area Above Ground				
BFSS011-110	U1: SS01 - Steel - STG Platforms - Delivery Date [Seq 312]	0		30-May-12*
BC21151-200	U1: MUSG: STG Lube Oil - Remove existing concrete and re-FREP	8	29-May-12	11-Jun-12
BC33131-200	U1: EBB3 - Erect Isophase Bus Steel Inside STG Enclosure	5	07-Jun-12*	14-Jun-12
BC21151-110	U1: MUSG: STG Lube Oil - Install Lube Oil System	14	13-Mar-12 A	20-Jun-12
BC21151-111	U1: MUSG: STG TA Support for Lube Oil Installation	4	14-Jun-12	20-Jun-12
BC21321-315	U1: MUSG: STG - Erect Lube Oil Enclosure Steel	16	29-May-12*	25-Jun-12
BC21321-215	U1: MUSG: STG - Erect STG Enclosure Steel	16	31-May-12	27-Jun-12
BC21151-120	U1: MUSG: STG Control Oil - Install Control Oil System	22	13-Mar-12 A	04-Jul-12
BC21171-150	U1: MUSG: STG - Set Cubicles	12	28-Jun-12	18-Jul-12
BC21151-130	U1: STG Area - Install LB Pipe & Hangers (LOE)	39	03-Mar-12 A	02-Aug-12
BC21131-170	U1: SS01: STG - Erect Access Platforms	24	28-Jun-12	08-Aug-12
BC21321-320	U1: MUSG: STG - Install Lube Oil Enclosure Siding	28	26-Jun-12	13-Aug-12
BC21151-140	U1: STG Area - Install SB Pipe & Hangers (LOE)	40	11-Jun-12	16-Aug-12
BC21161-100	U1: Turbine/Lube Oil Area - Install Cable Tray (LOE)	40	21-Jun-12	29-Aug-12



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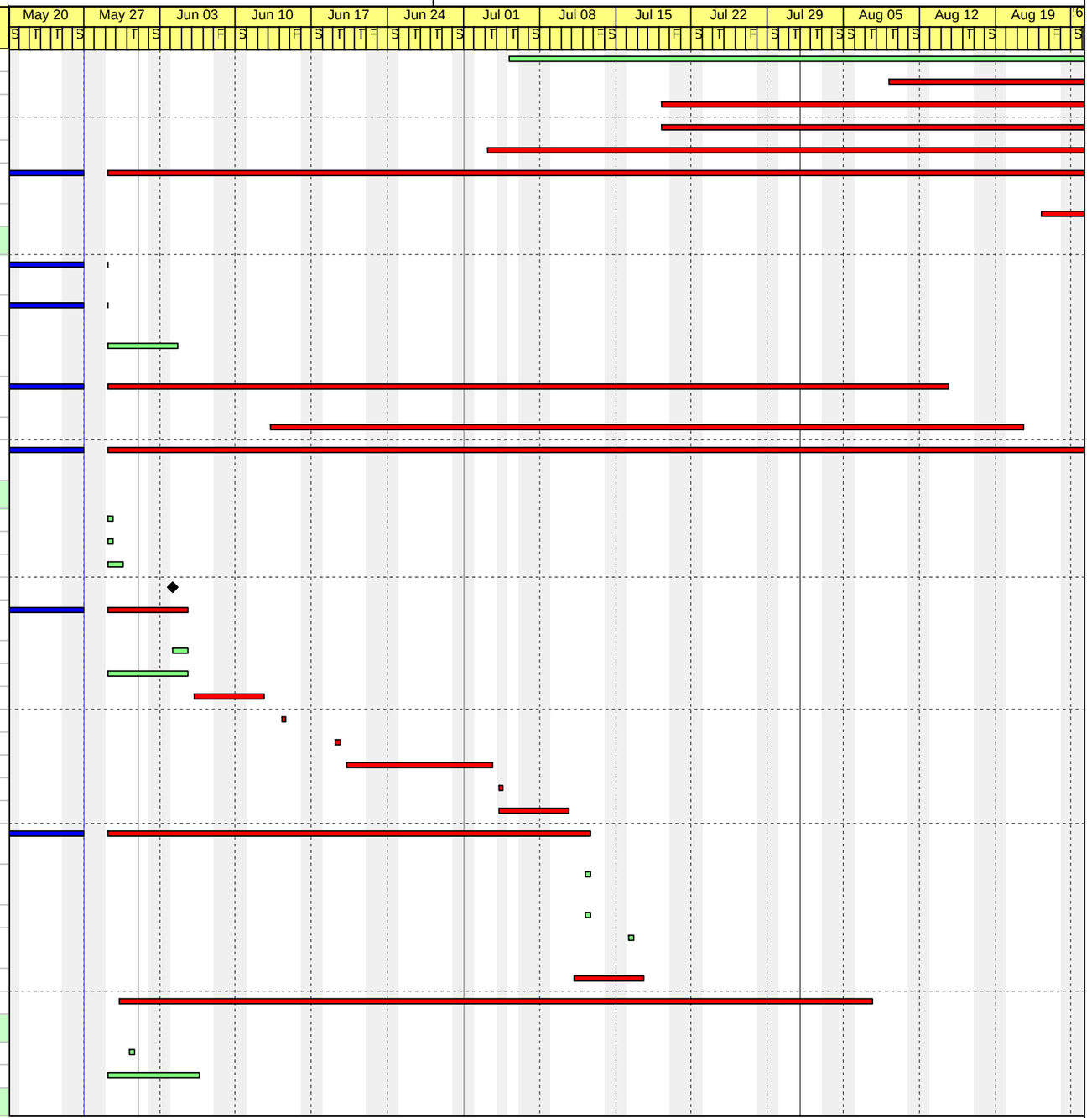
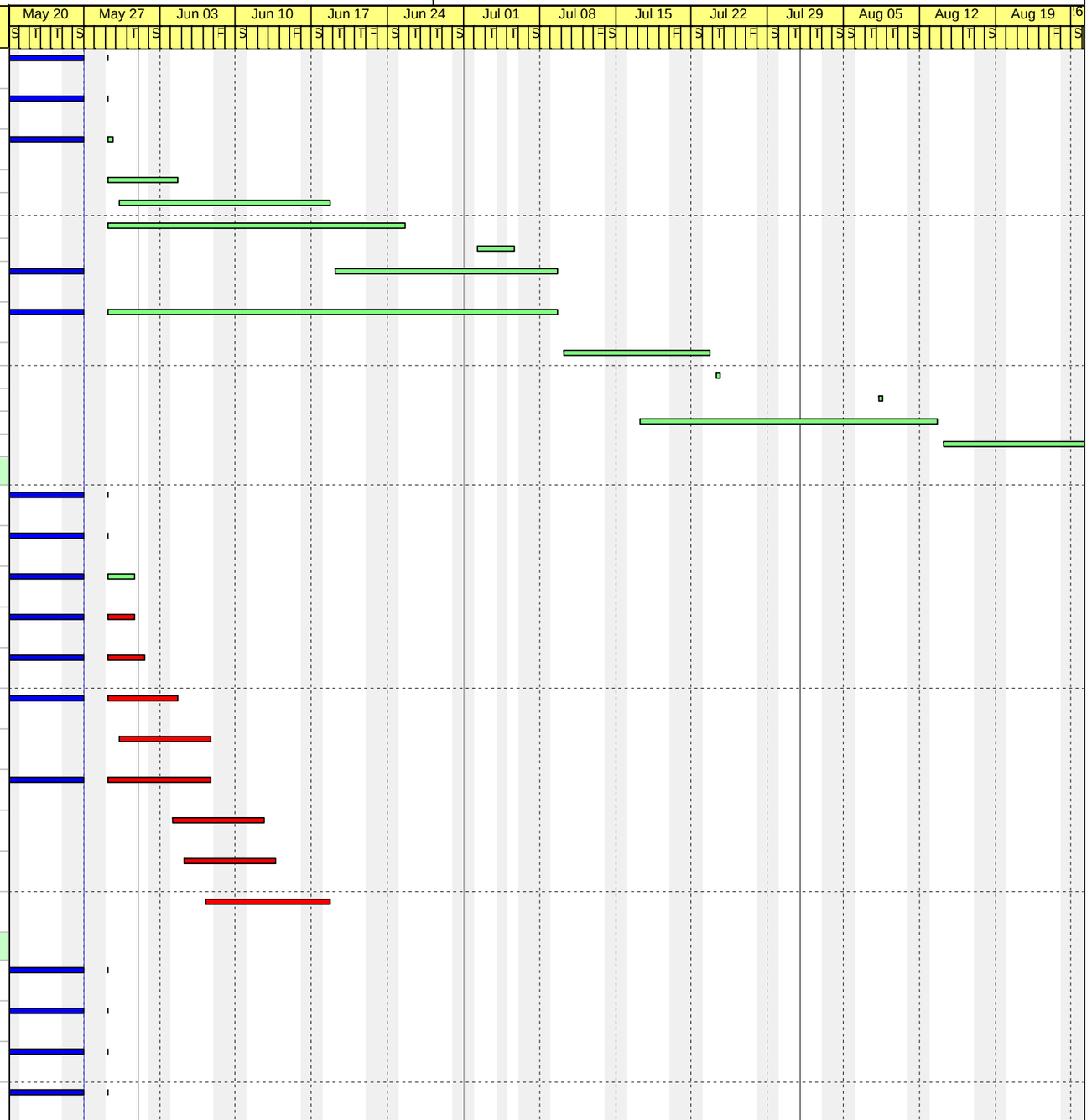
◆ Milestone

TASK filters: IH_IPAH - 6-week look ahead STWP (Construction), IPAH - 6-WEEK LOOK AHEAD_STWP (Timeframe).

Activity ID	Activity Name	.Dur.	Start	Finish
BC21151-150	U1: STG Install Fire Protection System	40	05-Jul-12	13-Sep-12
BC21321-220	U1: MUSG: STG - Install STG Enclosure Siding	28	09-Aug-12	27-Sep-12
BC20161-110	U1: Turbine/Heater Bay Area - Install A/G Conduit (LOE)	40	19-Jul-12	27-Sep-12
BC21161-164	U1: Turbine Area - Cabling (around STG and lube oil only)	40	19-Jul-12	27-Sep-12
BC20171-100	U1: STG/Heater Bay - Install Instrumentation (LOE)	56	03-Jul-12	09-Oct-12
BC20161-164	U1: Turbine Area - Cabling from STG EEM to STG/Heater Bay/T1 SRSG Tower	80	30-Apr-12 A	16-Oct-12
BC30161-330	U1: STG Sound Enclosure - Install Lightning Protection	32	23-Aug-12	18-Oct-12
Heater Bay Area Above Ground				
BC19371-150	U1: MBHS - Electric Superheater - Install Equipment	0	10-May-12 A	29-May-12
BC19371-160	U1: MBHS - Gland Steam Unit - Install Equipment	0	07-May-12 A	29-May-12
BC22281-140	U1: ETP2-2: 4.16 kV/ 480 V MCC Transformer (Tower & STG Area) - Set Equipment	4	29-May-12	04-Jun-12
BC05151-130	U1: Heater Bay Area - Install LB Pipe & Hangers (LOE)	45	28-Mar-12 A	14-Aug-12
BC05151-140	U1: Heater Bay Area - Install SB Pipe & Hangers (LOE)	40	13-Jun-12	21-Aug-12
BC05161-100	U1: Heater Bay Area - Install Cable Tray (LOE)	80	23-Apr-12 A	16-Oct-12
Plant Services Area, Above Ground				
BSS1AN1ME-ST	1-AN-1 Emerg. Diesel Generator - Construction System Turnover	1	29-May-12*	29-May-12
BSS1JD5IC-STO	U1: JD-5 -Water Treatment DCS - Construction System Turnover	1	29-May-12*	29-May-12
BC30131-613	U1: VB-1 PSB - Install Control Room False Ceiling	2	29-May-12*	30-May-12
BFEPP11-100	U1: EPP1: Local Control Stations - Deliver	0		04-Jun-12
BC30131-110	U1: AKBS-2 - Plant Services Building - Erect Building (S/C)	5	30-Nov-11 A	05-Jun-12
BC30141-150	U1: AKBS-2 - Plant Services Building - Coat Electrical Room floors	2	04-Jun-12*	05-Jun-12
BC37281-160	U1:Install PSB Electrical Room Vault Floor Hatches	5	29-May-12	05-Jun-12
BC30281-150	U1: JD04: MOV Master Station - Install Cubicle in PSB	4	06-Jun-12	12-Jun-12
BSS1JD3IC-STO	U1: 1JD3 -STG- DCS - Construction System Turnover	1	14-Jun-12*	14-Jun-12
BSWR011-300	U1: WR-1:Raw Water- Joint System Walkdown	1	19-Jun-12	19-Jun-12
BSWR011-310	U1: WR-1:Raw Water- Punchlist Work-Off	8	20-Jun-12	03-Jul-12
BSS1WR1ME -S	U1: WR-1:Raw Water- Construction Turnover	1	04-Jul-12*	04-Jul-12
BSJD011-110	U1: JD-2 - DCS - System Walkdown	4	04-Jul-12*	10-Jul-12
BC30161-030	U1: PSB Area - Install A/G Conduit (LOE)	27	12-Apr-12 A	12-Jul-12
BSS1JD6IC-STO	1JD6 - U1: Central Control Room - Solar Field Control Network - Construction System Turnover	1	12-Jul-12*	12-Jul-12
BSS1JD7IC-STO	1JD7 - U1: Solar Field SFC Field Network CPDU's Construction TO	1	12-Jul-12*	12-Jul-12
BSS1JD4IC-STO	U1: 1JD4 -PSB Solar Field SFC control network by Bright source - Construction System Turnover	1	16-Jul-12*	16-Jul-12
BSS1JD2IC-STO	U1: JD-2 - DCS - Construction System Turnover	4	11-Jul-12*	17-Jul-12
BC30161-120	U1: PSB Area Cabling (within the PSB and to EEMs) (LOE)	40	30-May-12*	07-Aug-12
Switchyard/ Main Transformers Area Underground				
BC33131-045	U1: Station Service Transformer - Set Ladder	1	31-May-12*	31-May-12
BC35351-160	U1: 115KV Metering Panel Foundation FREP	7	29-May-12*	06-Jun-12
Switchyard/ Main Transformers Area Above Ground				



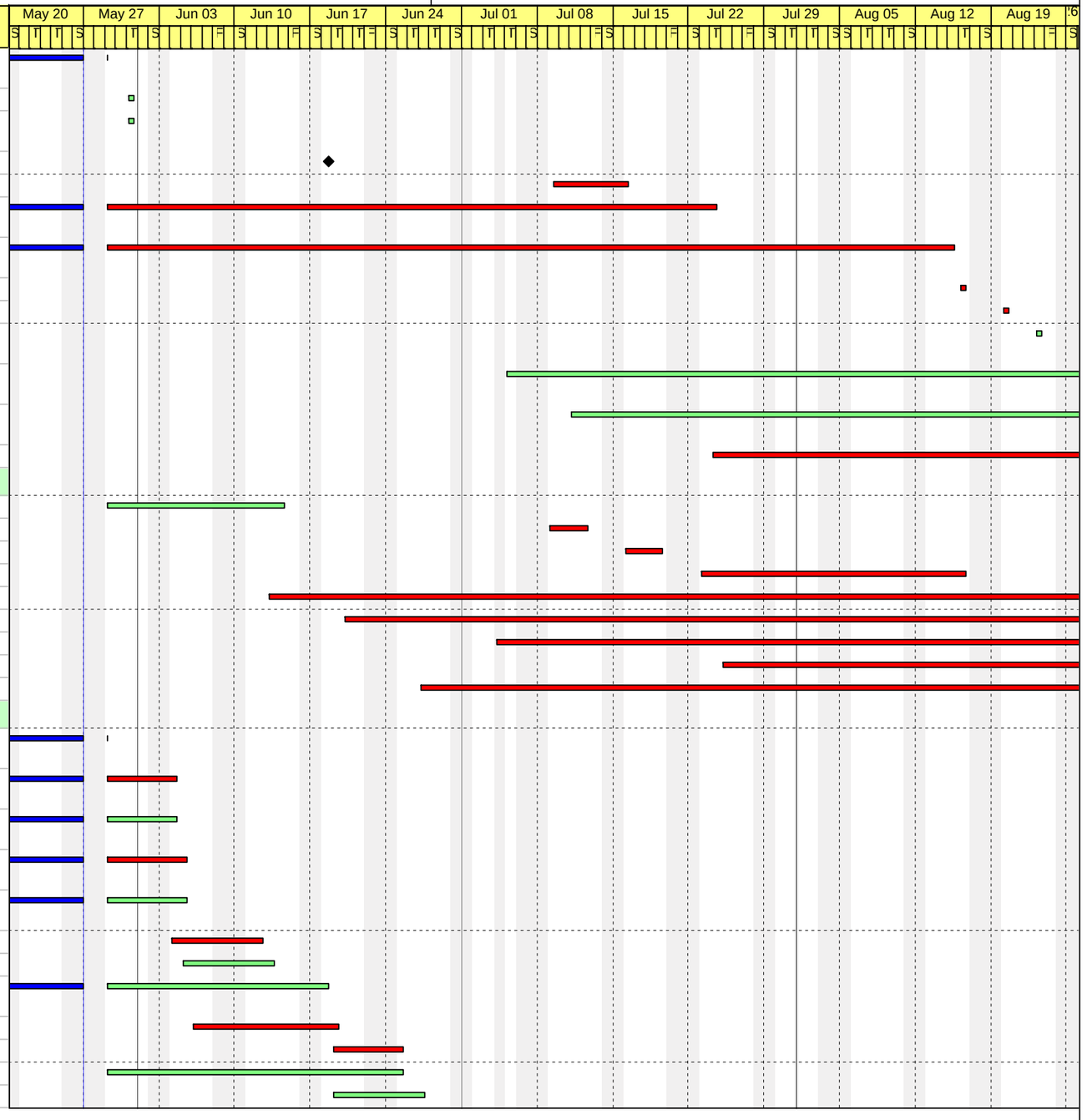
Activity ID	Activity Name	.Dur.	Start	Finish
BC35351-103	U1: EZ00: 115Kv SWYD Install Electrical Work	0	09-May-12 A	29-May-12
BC33131-220	U1: STG Platform Steel Receipt	0	07-May-12 A	29-May-12
BC35161-100	U1: Switchyard/Transformer Area - Install Raceway	1	09-May-12 A	29-May-12
BC35351-105	U1: EZ00: 115Kv SWYD Test	4	29-May-12	04-Jun-12
BC35161-030	U1: Switchyard/Transformer Area - Install A/G Conduit	11	30-May-12*	18-Jun-12
BC33281-120	U1: EBB3 - Erect Isophase Bus (GCB to Transformers)	16	29-May-12	25-Jun-12
BC30281-110	U1: EPP1 - Local Control Stations - Set Equipment	4	02-Jul-12	05-Jul-12
BC33281-230	U1:Main Transformer - Install Deluge	12	07-May-12 A	09-Jul-12
BC33281-240	U1:Aux Transformer - Install Deluge	24	07-May-12 A	09-Jul-12
BSEY011-001	U1: EY-1 GSUT/AUT Transformers / GCB -System Walkdown	8	10-Jul-12	23-Jul-12
BSS1EY1EE -S	U1: EY-1 GSUT/AUT Transformers / GCB -Construction Turnover	1	24-Jul-12	24-Jul-12*
BSS1EY3EE-ST	U1: 1EY3 115kV Switch Yard - Construction Turnover	1	08-Aug-12	08-Aug-12*
BC33131-205	U1: EBB3 - Erect Isophase Bus Steel (GCB to STG)	16	17-Jul-12	13-Aug-12
BC33281-250	U1: EBB3 - Erect Isophase Bus (GCB to STG)	32	14-Aug-12	09-Oct-12
Water Treatment Area Underground				
BC77121-240	U1: AREA 2 (Raw Water Tank area)- Water Treatment Misc Pipe Support FREP	0	01-Mar-12 A	29-May-12
BC77121-280	U1: AREA 4 - (Plant Air) Water Treatment Misc Pipe Support FREP	0	14-Mar-12 A	29-May-12
BC71121-650	U1: PF - Fire Pump House Structural Steel Platforms	3	12-Mar-12 A	31-May-12
BC77121-260	U1: AREA 3 - (Closed Cooling Area) Water Treatment Misc Pipe Support FREP	3	14-Mar-12 A	31-May-12
BC77121-300	U1: AREA 5 - (South side WT) Water Treatment Misc Pipe Support FREP	4	14-Mar-12 A	01-Jun-12
BC77121-250	U1: AREA 2 - (Raw Water Tank Area) Water Treatment Misc Pipe Support - Finalize pipe, Hangers	4	15-Mar-12 A	04-Jun-12
BC77121-310	U1: AREA 5 - (South Side WT) Water Treatment Misc Pipe Support - Finalize pipe, Hangers	6	30-May-12	07-Jun-12
BC77121-320	U1: AREA 6 - (Mirror Wash area) Water Treatment Misc Pipe Support FREP	8	14-Mar-12 A	07-Jun-12
BC77121-290	U1: AREA 4 - (Plant Air) Water Treatment Misc Pipe Support - Finalize pipe, Hangers	6	04-Jun-12	12-Jun-12
BC77121-330	U1: AREA 6 - (Mirror Wash Area) Water Treatment Misc Pipe Support - Finalize pipe, Hangers	6	05-Jun-12	13-Jun-12
BC77121-270	U1: AREA 3 - (Closed Cooling Area) Water Treatment Misc Pipe Support - Finalize pipe, Hangers	6	07-Jun-12	18-Jun-12
Water Treatment Area Above Ground				
BC77221-100	U1: MCRA - Air Compressor / Receiver / Dryer - Set Equipment	0	02-Apr-12 A	29-May-12
BC71261-110	U1: MWKW - Potable Water System - Set Tank & Equipment	0	14-May-12 A	29-May-12
BC71241-120	U1: MTSC Wastewater - Set Tank/Dressout & ladder	0	08-Mar-12 A	29-May-12
BC70271-190	U1: MES0: Shell&Tube Exch. - Set Equipment (blowdown coolers)	0	04-Apr-12 A	29-May-12



Actual Work | Critical Remaining Work | Remaining Work | Milestone

TASK filters: IH_IPAH - 6-week look ahead STWP (Construction), IPAH - 6-WEEK LOOK AHEAD_STWP (Timeframe).

Activity ID	Activity Name	.Dur.	Start	Finish
BSPF011-240	U1: PF-4 Fire Protection PSB - Install Control Room Sprinkler Drops / Heads	0	02-Apr-12 A	29-May-12
BSS1PF4ME-ST	U1: PF-4 Fire Protection PSB - Construction System Turnover	1	31-May-12*	31-May-12
BSS1PF3ME-STC	U1:1PF3 Deluge System for GST & UAT - Construction System Turnover	1	31-May-12*	31-May-12
BC00111-380	U1: Raw Water Available	0		18-Jun-12
BCMWDM1-110	U1: MWDM - Demineralizer - Set Trailers	4	09-Jul-12*	16-Jul-12
BC71151-120	U1: WR-2 Water Treatment Area - Install LB Pipe and Hangers (Level of Effort) LOE	33	12-Dec-11 A	24-Jul-12
BC71151-130	U1: Water Treatment Area - Install SB Pipe and Hangers (LOE)	46	09-Apr-12 A	15-Aug-12
BSXW011-001	U1: XW-1 Wastewater - System Walkdown	1	16-Aug-12	16-Aug-12
BSS1XW1ME -S	1-XW Wastewater - Construction System Turnover	1	20-Aug-12*	20-Aug-12
BSS1XW2ME -STO	1XW2 Wastewater enclosures,remaining sumps & pits - Construction System Turnover	1	23-Aug-12*	23-Aug-12
BCPY101-112	U1: PY10 - Shower & Eye Wash - Install PW-PY-002 by SRSG Chem Skid	32	05-Jul-12	29-Aug-12
BCPY101-110	U1: PY10 - Shower & Eye Wash - Install PW-PY-004 by WSAC Chem Skid	32	11-Jul-12	04-Sep-12
BC71171-100	U1: Water Treatment Facilities - Install Instrumentation (LOE)	40	24-Jul-12	02-Oct-12
ACC E-house Area				
BC23161-020	U1: ACC Area - Install Cable Tray (LOE)	11	29-May-12	14-Jun-12
BSEK041-001	U1: EK-4 ACC E-House - System Walkdown	4	09-Jul-12	12-Jul-12
BSEK041-010	1-EK-4 ACC E-House - Construction System Turnover	4	16-Jul-12	19-Jul-12
BSEK041-100	U1: EK-4 ACC E-House - Checkout /Energize	16	23-Jul-12	16-Aug-12
BC23151-030	U1: ACC Area - Install LB Pipe & Hangers (LOE)	60	13-Jun-12	26-Sep-12
BC23151-070	U1: ACC Area - Install SB Pipe & Hangers (LOE)	60	20-Jun-12	03-Oct-12
BC23281-110	U1: ACC Area - Install A/G Conduit (LOE)	52	04-Jul-12	03-Oct-12
BC23161-164	U1: ACC Area - Cabling (LOE)	52	25-Jul-12	24-Oct-12
BC23171-100	U1: ACC Area - Install Instrumentation (LOE)	72	27-Jun-12	31-Oct-12
ACC/ Condensate Polisher Above Ground				
BC23261-100	U1: MWDC: Condensate Polisher - Install & Dressout	0	19-Mar-12 A	29-May-12
BC23211-105	U1: MPGC: Condensate Pump 1A & 1B - Set Equipment	4	30-Apr-12 A	04-Jun-12
BC23271-480	U1: ACC - Street 2 - Set Heat Exchanger Cores	4	16-Apr-12 A	04-Jun-12
BC23271-660	U1: ACC - Street 3 - Install A - Frame & Cond. Manifold	5	30-Apr-12 A	05-Jun-12
BC23271-206	U1: ACC - Street 1 - Install South Windall Siding	6	10-Apr-12 A	05-Jun-12
BC23211-710	U1: FREP pads for Steam Drain Pumps 002A & 002B inside EDT/IDT	6	04-Jun-12*	12-Jun-12
BC23271-490	U1: ACC - Street 2 - Erect Steam Manifold	6	05-Jun-12	13-Jun-12
BC23271-494	U1: ACC - Street 2 - Preassemble Siding	12	27-Feb-12 A	18-Jun-12
BC23271-680	U1: ACC - Street 3 - Set Heat Exchanger Cores	8	06-Jun-12	19-Jun-12
BC23211-120	U1: MEAA Steam Duct Drain Pumps 002A & 002B - Set Equipment	4	19-Jun-12	25-Jun-12
BC05131-238	U1: Steam Duct from STG to ACC - Install ducting	16	29-May-12*	25-Jun-12
BC23271-510	U1: ACC - Street 2 - Erect Steam Duct Risers	6	19-Jun-12	27-Jun-12



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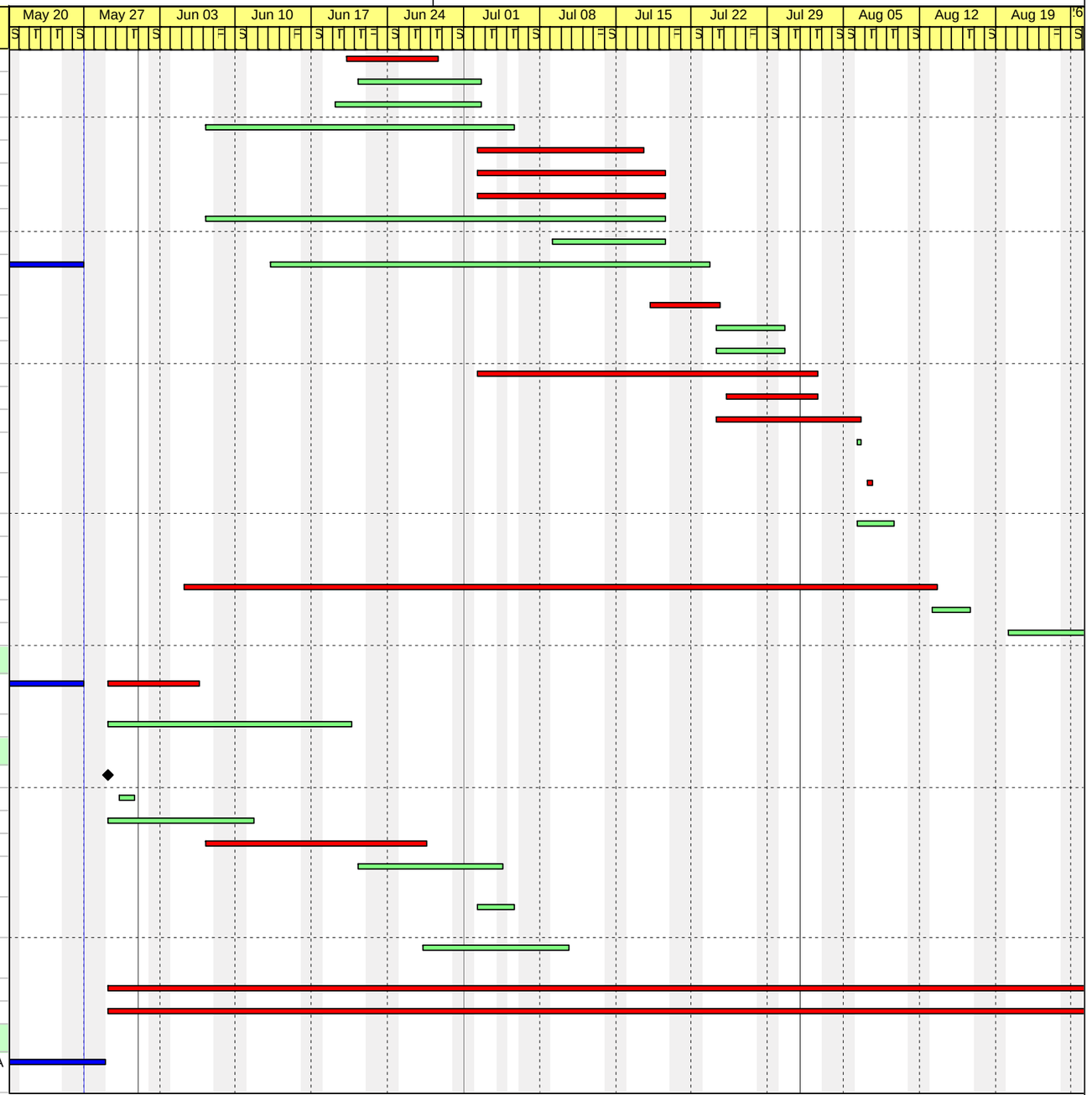
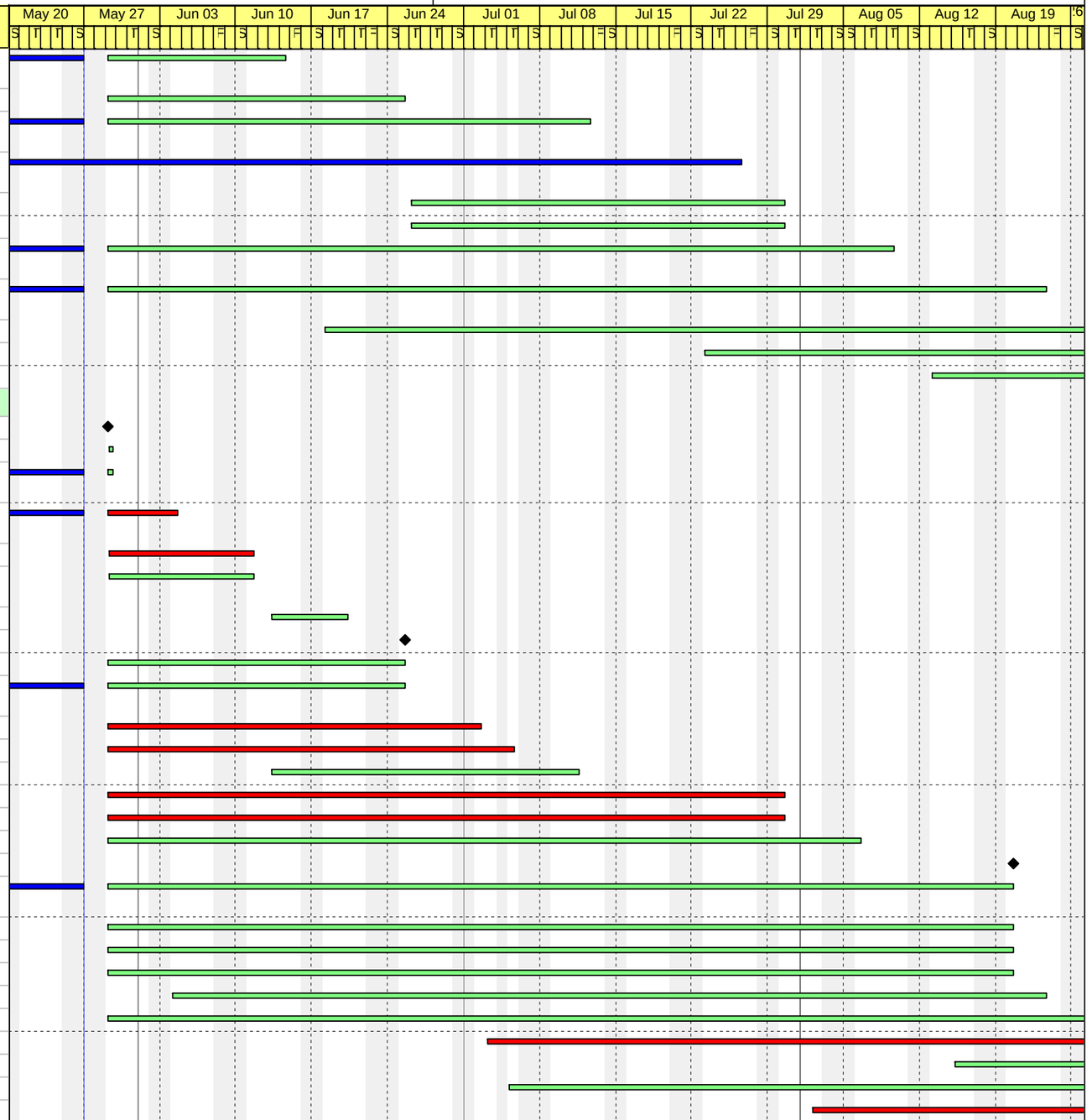
Activity ID	Activity Name	.Dur.	Start	Finish
BC23271-690	U1: ACC - Street 3 - Erect Steam Manifold	6	20-Jun-12	28-Jun-12
BC23271-210	U1: ACC - Street 1 - Erect Steam Duct Risers	6	21-Jun-12	02-Jul-12
BC23271-496	U1: ACC - Street 2 - Install East Windall Siding	8	19-Jun-12	02-Jul-12
BC05131-230	U1: Steam Duct from BFP to ACC - Install Steel Supports	17	07-Jun-12*	05-Jul-12
BC23271-706	U1: ACC - Street 3 - Install North Windall Siding	10	02-Jul-12	17-Jul-12
BC23211-150	U1: MEAA - Condenser Vacuum Pump Skids A & B - Install Equipment	12	02-Jul-12	19-Jul-12
BC23211-160	U1: MEAA- Night Time Vacuum Pump Skid - Install Equipment	12	02-Jul-12	19-Jul-12
BC23271-500	U1: ACC - Street 2 - Weldout	25	07-Jun-12	19-Jul-12
BC05131-233	U1: Steam Duct From BFP to ACC - Install Ducting	8	09-Jul-12	19-Jul-12
BC23271-180	U1: ACC - Street 1 - Weldout	23	28-Mar-12 A	23-Jul-12
BC23271-705	U1: ACC - Street 3 - Erect West Perimeter Siding	4	18-Jul-12	24-Jul-12
BC23271-190	U1: ACC - Street 1 - Punchlist & Inspection	4	24-Jul-12	30-Jul-12
BC23271-520	U1: ACC - Street 2 - Punchlist & Inspection	4	24-Jul-12	30-Jul-12
BC23271-700	U1: ACC - Street 3 - Weldout	20	02-Jul-12	02-Aug-12
BC23271-710	U1: ACC - Street 3 - Erect Steam Duct Risers	6	25-Jul-12	02-Aug-12
BCPAWD1-010	U1:PA-1 Instrument Air (for Energization) - System Walkdown	8	24-Jul-12	06-Aug-12
BSS1PA2ME-STC	U1: 1PA2 - Air for Instrument Systems - Construction System Turnover	1	06-Aug-12*	06-Aug-12
BSS1PA1ME-STC	1-PA Instrument Air (for Energization) - Construction System Turnover	1	07-Aug-12*	07-Aug-12
BC23271-720	U1: ACC - Street 3 - Punchlist & Inspection	4	06-Aug-12	09-Aug-12
BC23271-830	U1: ACC - Misc operations & scaffolding and blade alignment (Level of effort)	43	12-Jan-12 A	09-Aug-12
BC23151-370	U1: ACC Area - Install Vendor Pipe & Hangers	40	05-Jun-12	13-Aug-12
BC23271-800	U1: ACC - Air Test	4	13-Aug-12	16-Aug-12
BC23271-810	U1: ACC - Install ST Expansion Joint	16	20-Aug-12	17-Sep-12
BFP Duct Support Area Underground				
BC10121-330	U1: Nitrogen Bottle Rack & Oxygen Scavenger Skids Foundation - FREP	6	15-May-12 A	06-Jun-12
BC10121-320	U1: Chemical Unloading - Foundation FREP	14	29-May-12*	20-Jun-12
BFP Duct Support Area Above Ground				
BFMTSC1-160	U1: MTSC: CS Shop Fab Tanks - Deliver Int/Ext Drain Tanks	0		29-May-12*
BC23241-120	U1: MTS0 External Drain Tank - Set Equipment	2	30-May-12*	31-May-12
BC23211-720	U1: MPGC-2 Internal Drain Pumps 003A & 003B - Install Pumps	8	29-May-12	11-Jun-12
BC78271-100	U1: MXR0 - Bottle Racks - Set Equipment	12	07-Jun-12	27-Jun-12
BC10261-120	U1: MPPM: Chemical Feed System (Oxygen Scavenger Feed Pump 1A & 1B) - Set & Anchor Skid	8	21-Jun-12	04-Jul-12
BC00171-110	U1: JA34 - Steam Water Anaylsis System & PH/ORP Analyzer - Install	4	02-Jul-12*	05-Jul-12
BC10261-100	U1: MPPM: Chemical Feed System (Amine/Ammonia Feed Pump 1A & 1B) - Set Equipment	8	27-Jun-12	10-Jul-12
BC05151-240	U1: Boiler Feed Pump Area - Install LB Pipe & Hangers (LOE)	55	29-May-12*	30-Aug-12
BC05151-250	U1: Boiler Feed Pump Area - Install SB Pipe & Hangers (LOE)	60	29-May-12	11-Sep-12
U1 Solar Field				
BCSF111-60	U1: EAA1-3: Panel Boards - Install Electricial components for PDU Foundations (last 2, #3 & 4)	0	01-May-12 A	29-May-12 A



Actual Work | Critical Remaining Work | Remaining Work | Milestone

TASK filters: IH_IPAH - 6-week look ahead STWP (Construction), IPAH - 6-WEEK LOOK AHEAD_STWP (Timeframe).

Activity ID	Activity Name	.Dur.	Start	Finish
BC87201-240	U1: Solar Field: Heliostat Install 0% to 60%	11	25-Oct-11 A	14-Jun-12
BCSF111-200	U1: Clearing, Grubbing and Grading laydown yard	16	29-May-12	25-Jun-12
BCEA161-100	U1: Solar Field: PDU/CPDU Cabling & Terms	27	07-Nov-11 A	12-Jul-12
BC87201-410	U1: Solar Field: CPDU Panel Installation E - F	0	17-May-12 A	26-Jul-12 A
BCEA161-210	U1: Solar Field: CPDU Cable to PSB South Trenches	20	26-Jun-12	30-Jul-12
BCEA161-215	U1: Solar Field: CPDU Cable to PSB North Trenches	20	26-Jun-12	30-Jul-12
BCEA161-200	U1: Solar Field: CPDU Root and Trunk Cabling A - D	43	06-Dec-11 A	09-Aug-12
BC87201-390	U1: Solar Field: CPDU Turnover to Client Sectors A - D	51	01-Mar-12 A	23-Aug-12
BC87201-280	U1: Solar Field: Heliostat Install 61% to 90%	44	18-Jun-12	30-Aug-12
BC87111-400	U1: Solar Field: Pylon Insertion 91% to 100%	27	23-Jul-12*	06-Sep-12
BCEA161-220	U1: Solar Field: CPDU Root and Trunk Cabling E - F	30	13-Aug-12	03-Oct-12
No IPAH - AREA / MDL VOL				
BNJL101-160	U1: JL10: RF / Radar Level Transmitters - Deliver	0		29-May-12*
BFNNP0X-200	NN00: Insulation Material and Install - Award	1	29-May-12	29-May-12
BCAN161-110	U1: AN - Install Terminations (LOE)	1	02-Apr-12 A	29-May-12
BCES161-120	U1: ES-1 - Install Terminations [Balance] (LOE)	4	05-Mar-12 A	04-Jun-12
BFMWDM1-090	MWDM: Demineralizer - Rental equipment	10	29-May-12	11-Jun-12
BFCS01X-030	CS01: Final Paving for Roads & Parking Areas - Compile S/C package / Const Rvw / IFB	10	29-May-12	11-Jun-12
BFNNP01-130	NN00: Insulation Install - MOB	4	13-Jun-12	20-Jun-12
BFJXXE1-160	U1: JXXE: Instrument Enclosures - Deliver	0		25-Jun-12*
BCWS161-110	U1: WS - Install Terminations (LOE)	16	29-May-12	25-Jun-12
BC00121-110	U1: Miscellaneous Foundations FREP(LOE)	16	14-May-12 A	25-Jun-12
BCPA161-110	U1: PA - Install Terminations (LOE)	20	29-May-12	02-Jul-12
BCEK161-120	U1: EC - ACC Install Cable / Terminations [EC3/EC5] (LOE)	23	29-May-12	05-Jul-12
BFNN001-130	NN00: Insulation Mat'l - Procure Materials	20	13-Jun-12	11-Jul-12
BCWB161-110	U1: WB - Install Terminations (LOE)	36	29-May-12	30-Jul-12
BCWD161-110	U1: WD - Install Terminations	36	29-May-12	30-Jul-12
BCEC161-110	U1: EC - Install Terminations (LOE)	40	29-May-12	06-Aug-12
BFJXSS1-160	U1: JXSS: Snubbers & Syphons - Deliver	0		20-Aug-12
BCJD161-110	U1: JD - Install Terminations (LOE)	48	02-Apr-12 A	20-Aug-12
BCPW161-110	U1: PW - Install Terminations (LOE)	48	29-May-12	20-Aug-12
BCWR161-110	U1: WR - Install Terminations (LOE)	48	29-May-12	20-Aug-12
BCAR161-110	U1: AR - Install Terminations (LOE)	48	29-May-12	20-Aug-12
BCAJ161-110	U1: AJ - Install Terminations (LOE)	48	04-Jun-12	23-Aug-12
BCWY161-110	U1: WY - Install Terminations (LOE)	52	29-May-12	27-Aug-12
BCFG161-110	U1: FG - Install Terminations (LOE)	36	03-Jul-12	03-Sep-12
BCEF161-110	U1: EF - Install Terminations (LOE)	16	15-Aug-12	12-Sep-12
BCEH161-110	U1: EH - Install Terminations (LOE)	40	05-Jul-12	13-Sep-12
BCSB161-110	U1: SB - Install Terminations (LOE)	24	02-Aug-12	13-Sep-12



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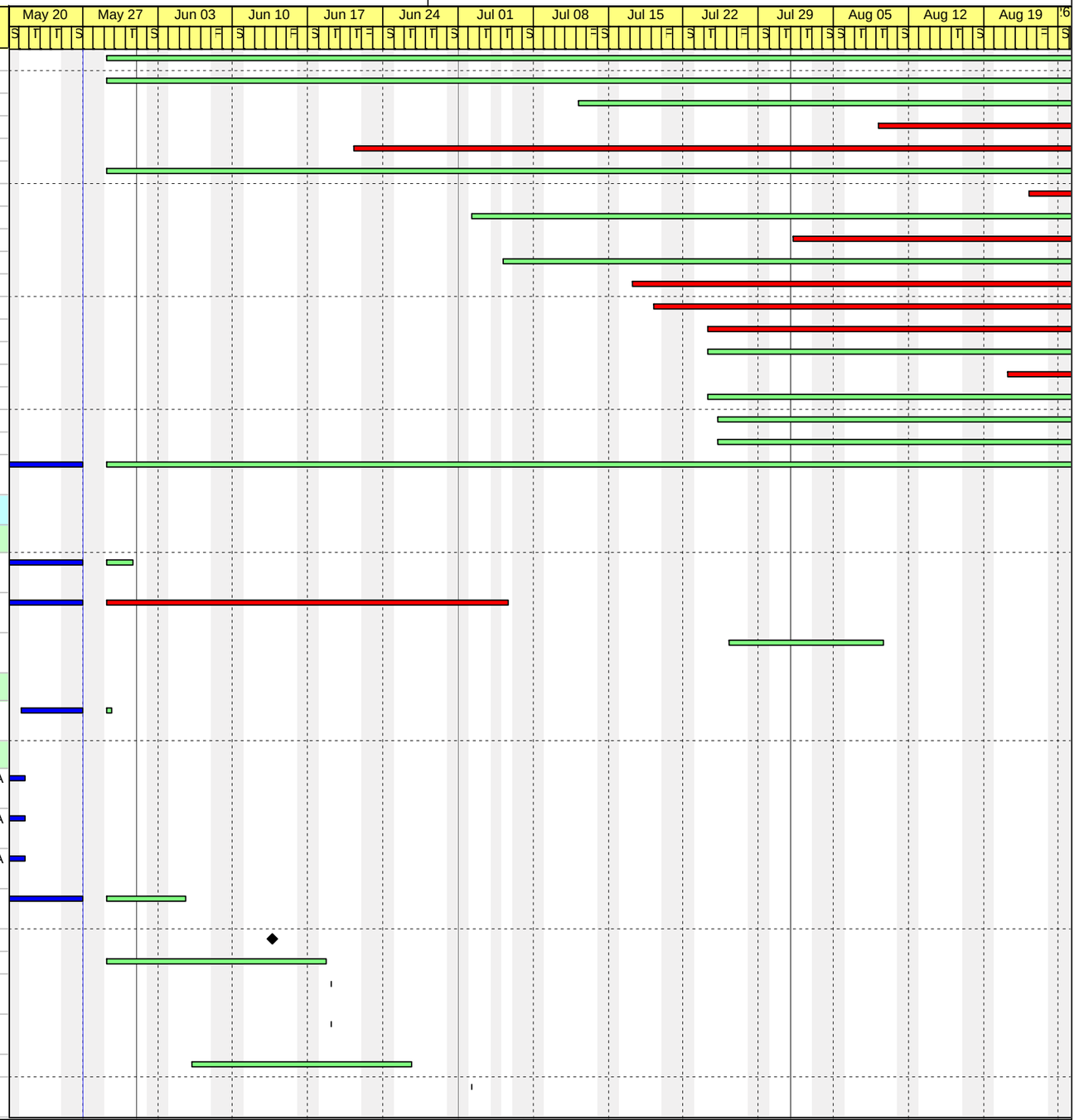
Activity ID	Activity Name	.Dur.	Start	Finish
BCEW161-110	U1: EW - Install Terminations (LOE)	64	29-May-12	18-Sep-12
BCTL161-110	U1: TL - WSAC Chem Injection - Install Terminations (LOE)	64	29-May-12	18-Sep-12
BCBM161-110	U1: BM - Install Terminations (LOE)	40	12-Jul-12	20-Sep-12
BCSA161-110	U1: SA - Terminate cables (LOE)	25	09-Aug-12	24-Sep-12
BCFL161-110	U1: FL - Install Terminations (LOE)	64	21-Jun-12	11-Oct-12
BCXW161-110	U1: XW - Install Terminations (LOE)	80	29-May-12	16-Oct-12
BCSL161-110	U1: SL - Install Terminations (LOE)	32	23-Aug-12	18-Oct-12
BCHA161-110	U1: HA - Install Terminations (LOE)	64	02-Jul-12	22-Oct-12
BCAK161-110	U1: AK - Install Terminations (LOE)	48	01-Aug-12	24-Oct-12
BCJA161-110	U1: JA - Install Terminations (LOE)	64	05-Jul-12	25-Oct-12
BCAA161-110	U1: AA - Install Terminations (LOE)	64	17-Jul-12	06-Nov-12
BCAC161-110	U1: AC - Install Terminations (LOE)	64	19-Jul-12	08-Nov-12
BCAB161-110	U1: AB - Install Terminations (LOE)	64	24-Jul-12	13-Nov-12
BCAE161-110	U1: AE - Install Terminations	64	24-Jul-12	13-Nov-12
BCAF161-110	U1: AF - Install Terminations (LOE)	48	21-Aug-12	13-Nov-12
BCSD161-110	U1: SD - Install Terminations	64	24-Jul-12	13-Nov-12
BCEE161-110	U1: EE - Install Terminations (LOE)	64	25-Jul-12	14-Nov-12
BCVB161-110	U1: VB - Install Terminations	64	25-Jul-12	14-Nov-12
BC00121-120	U1: Install Miscellaneous Structural Steel & Sumps Grating (LOE)	100	02-Apr-12 A	20-Nov-12
UNIT 2				
Powerblock Yard Area Underground, SE				
BC00112-460	U2: Complete Perimeter Fencing for U2 East [BMP]	3	19-Mar-12 A	31-May-12
BC00162-330	U2: Powerblock Yard Area - Install Grounding	23	01-Aug-11 A	05-Jul-12
BC00112-480	U2: CY10: Main Access Road Fency Type 1 (212' aprox), motorized gate w/grounding, and permanent tortoise guard	9	26-Jul-12	09-Aug-12
Boiler / Tower Underground				
BC10512-140	U2: Constr Power Panel Board TP-1E & 2C - Energize (by SRSG)	1	21-May-12 A	29-May-12
Boiler / Tower Level 1				
BC10212-150	U2: SRSG T1: Main BFP Turbine L.O. Skid - Foundation FREP	0	10-May-12 A	21-May-12 A
BC10212-110	U2: SRSG T1: CC Water Booster Pumps 002A & 002B - Set Equipment	0	09-Apr-12 A	21-May-12 A
BC10212-120	U2: SRSG T1: Service Water Booster Pump - Set Equipment	0	09-Apr-12 A	21-May-12 A
BC10212-510	U2: MPGB-1: Startup Boiler Feedwater Pump - Grout	5	08-May-12 A	05-Jun-12
BFMJKH2-100	U2: MJKH: Hoists - Shipping / Delivery to Site	0		13-Jun-12
BC10122-250	U2: Main Boiler Feed Pump - FREP Ladder Pad	12	29-May-12*	18-Jun-12
BC10123-901	U2: Main Boiler Feed Pump - Install Steel Frame (Phase 1119), Lube Oil Shelter, Grating, Ladder	0	19-Jun-12*	19-Jun-12
BC10132-911	U2: SRSG T1: Install Steel Framing for Start-Up FWP Pipe Supports and monorail for Basket Strainers (phase 1118)	0	19-Jun-12*	19-Jun-12
BC10212-515	U2: MPGB-2 Main BFP Turbine L.O. Skid - Install Equipment	12	06-Jun-12	26-Jun-12
BC10132-902	U2: SRSG T1: Install Platforms and ladders for Basket Strainer (Phase 1119)	0	02-Jul-12*	02-Jul-12



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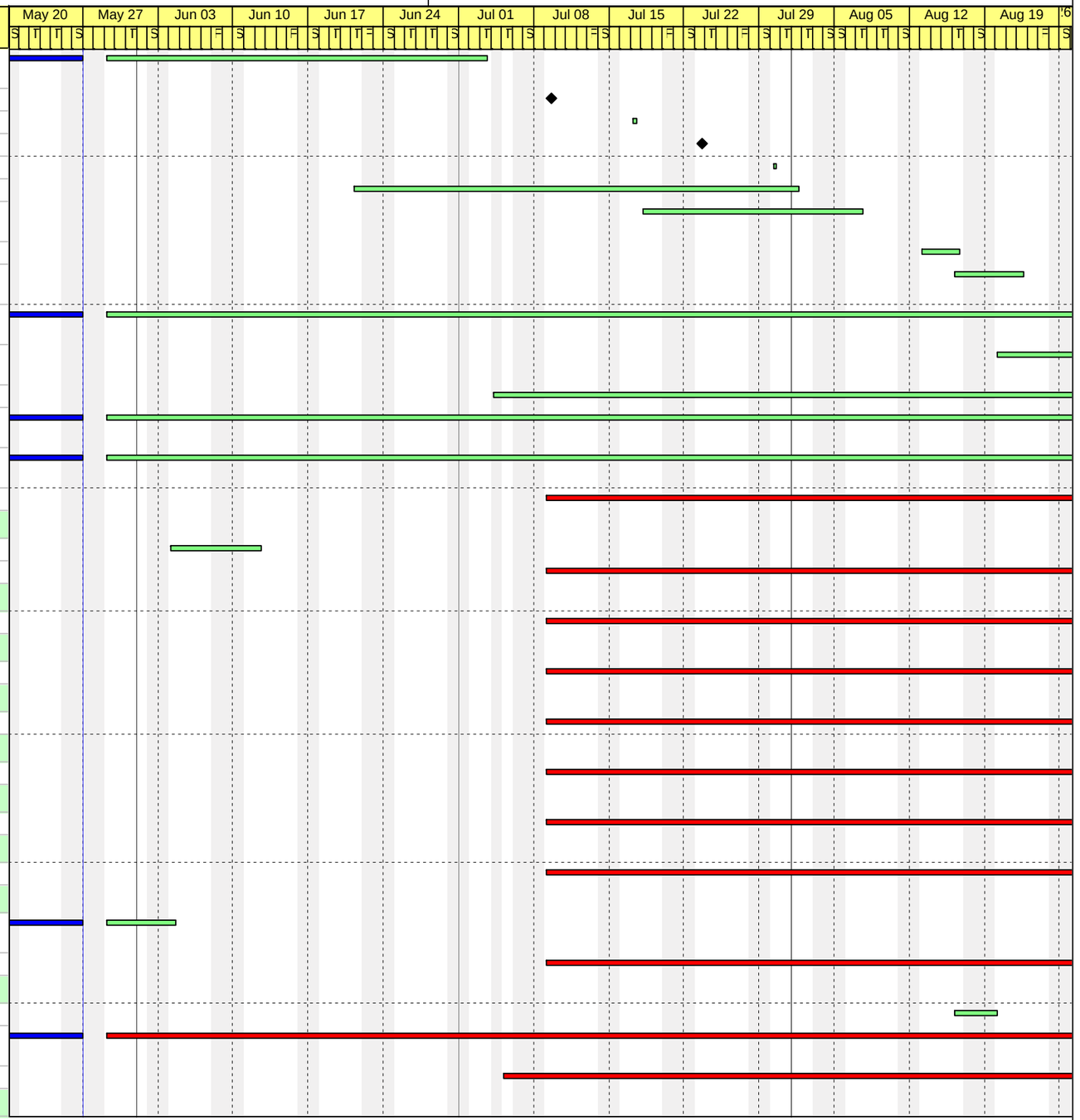
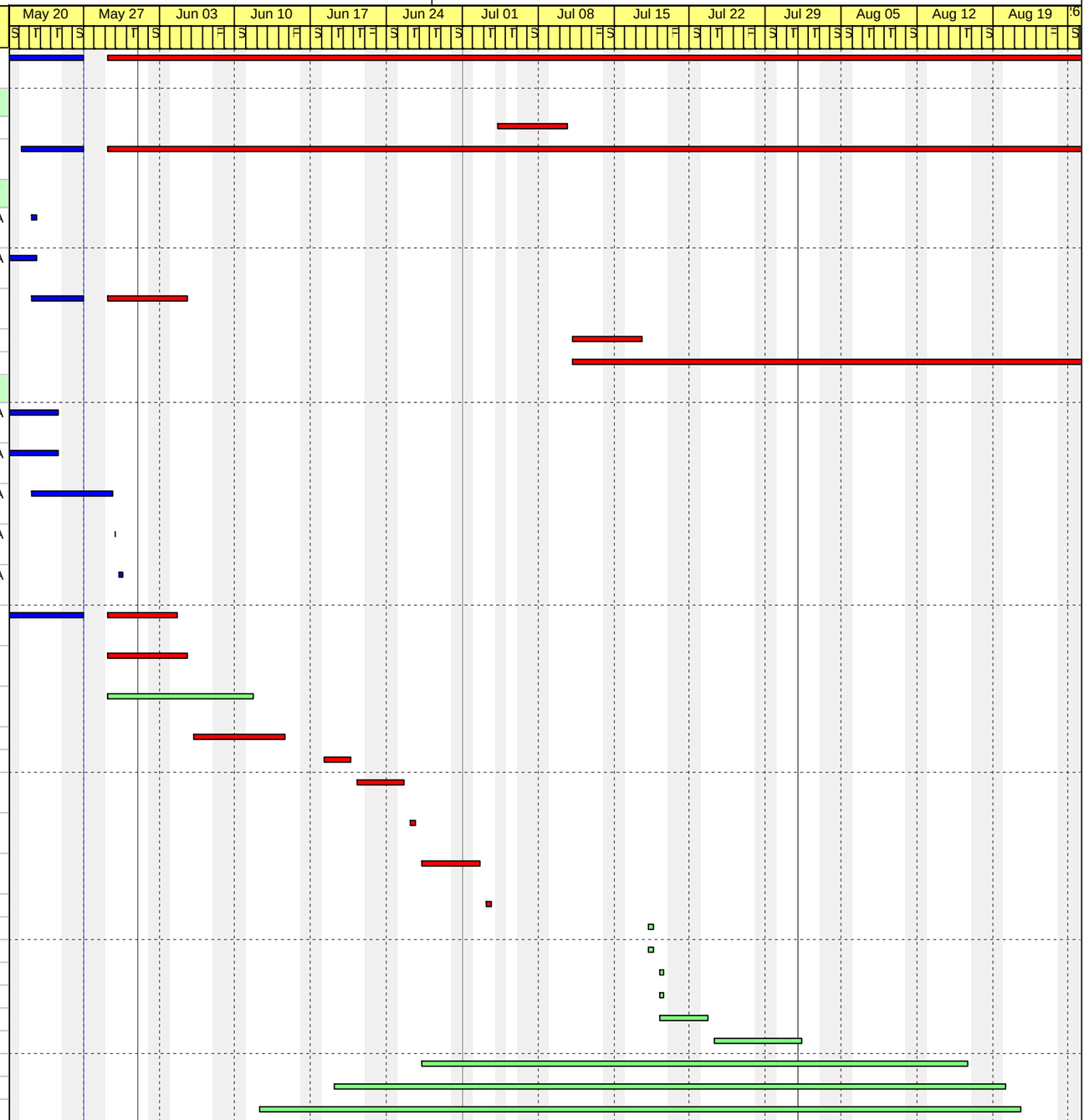
Activity ID	Activity Name	Dur.	Start	Finish
BC10162-380	U2: SRSG Tower - Install Cable Tray Tiers 1~9	21	12-Dec-11 A	03-Jul-12
BFMPGB2-140	U2: MPGB-2 & MUSS: Main BFP - Deliver Pump	0		09-Jul-12*
BC10212-140	U2: MPGB-2: Main Boiler Feedwater Pump - Set Pump	1	17-Jul-12	17-Jul-12
BFACE02-130	U2: ACE0: Perm Tower Elevator - Deliver	0		23-Jul-12
BFMUV1E200-85	U2: MUVE-1: MV VFD SUBFP - Delivery	1	30-Jul-12	30-Jul-12*
BC38122-200	U2: Variable Frequency Drive e-House - Foundation FREP	24	21-Jun-12	01-Aug-12
BC10212-190	U2: MPGB-2: Main Boiler Feedwater Pump - Align Pump & Turbine Drive	12	18-Jul-12	07-Aug-12
BC10212-200	U2: MPGB-2: Main Boiler Feedwater Pump - Grout	4	13-Aug-12	16-Aug-12
BC38122-210	U2: Variable Frequency Drive e-House - Set Equipment 2-AE-EV-002	4	16-Aug-12	22-Aug-12
BC10152-197	U2: SRSG Tower - Tier 7-8 - Install LB Pipe & Hangers	53	07-May-12 A	28-Aug-12
BC10212-525	U2: MPGB-2: Main Boiler Feedwater Pump - Final Alignment & Piping tie-in	6	20-Aug-12	28-Aug-12
BC10162-360	U2: SRSG Tower - Tier 1-9 - Install A/G Conduit	40	04-Jul-12	12-Sep-12
BC10152-199	U2: SRSG Tower - Tier 4-6 - Install LB Pipe & Hangers	66	09-Apr-12 A	20-Sep-12
BC10152-198	U2: SRSG Tower - Tier 1-3 - Install LB Pipe & Hangers	70	05-Mar-12 A	27-Sep-12
BC10152-710	U2: SRSG Tower - Tier 1 - Install SB Pipe & Hangers	75	09-Jul-12	15-Nov-12
Boiler / Tower Level 2				
BC10232-135	U2: MESW: Prep / Install Davit arms to HP Heaters 4, 5 & 6	6	04-Jun-12*	12-Jun-12
BC10152-720	U2: SRSG Tower - Tier 2 - Install SB Pipe & Hangers	75	09-Jul-12	15-Nov-12
Boiler / Tower Level 3				
BC10152-730	U2: SRSG Tower - Tier 3 - Install SB Pipe & Hangers	75	09-Jul-12	15-Nov-12
Boiler / Tower Level 4				
BC10152-740	U2: SRSG Tower - Tier 4 - Install SB Pipe & Hangers	75	09-Jul-12	15-Nov-12
Boiler / Tower Level 5				
BC10152-750	U2: SRSG Tower - Tier 5 - Install SB Pipe & Hangers	75	09-Jul-12	15-Nov-12
Boiler / Tower Level 6				
BC10152-760	U2: SRSG Tower - Tier 6 - Install SB Pipe & Hangers	75	09-Jul-12	15-Nov-12
Boiler / Tower Level 7				
BC10152-770	U2: SRSG Tower - Tier 7 - Install SB Pipe & Hangers	75	09-Jul-12	15-Nov-12
Boiler / Tower Level 8				
BC10152-780	U2: SRSG Tower - Tier 8 - Install SB Pipe & Hangers	75	09-Jul-12	15-Nov-12
Boiler / Tower Level 9				
BC10532-010	U2: SRSG Tower - Install Temp Air Tugger	4	14-Mar-12 A	04-Jun-12
BC10152-790	U2: SRSG Tower - Tier 9 - Install SB Pipe & Hangers	75	09-Jul-12	15-Nov-12
Boiler / SRSG Tier 10				
BNEH002-100	U2: EH00-2: RPI Pipe Heat Trace - Deliver	1	16-Aug-12	20-Aug-12
BC10152-212	U2: SRSG - T10 - ELT / Weld-out LB Vendor Pipe	102	20-Mar-12 A	18-Oct-12
BC10152-700	U2: SRSG - Install SB Vendor Pipe & Hangers (Tiers 10-14)	89	05-Jul-12	06-Nov-12
Boiler / SRSG Tier 11				



Actual Work | Critical Remaining Work
Remaining Work ◆ | ◆ Milestone

TASK filters: IH_IPAH - 6-week look ahead STWP (Construction), IPAH - 6-WEEK LOOK AHEAD_STWP (Timeframe).

Activity ID	Activity Name	.Dur.	Start	Finish
BC10152-222	U2: SRSG - T11 - ELT / Weld-out LB Vendor Pipe	102	15-May-12 A	18-Oct-12
Boiler / SRSG Tier 12				
BC10412-400	U2: SRSG - Erect Steam Generator Wall Panels	4	04-Jul-12	10-Jul-12
BC10152-232	U2: SRSG - T12 - ELT / Weld-out Vendor LB Pipe	102	21-May-12 A	18-Oct-12
Boiler / SRSG Tier 13				
BC10412-100	U2: SRSG - Set Drum at Elev 524'	0	22-May-12 A	22-May-12 A
BC10152-249	U2: SRSG T13: Load Pipe on Upper Infill at Elev 524' (7 spools under drum)	0	18-May-12 A	22-May-12 A
BC10152-247	U2: SRSG T13: Load Pipe on Upper Infill at Elev 524' (+65 spools)	5	22-May-12 A	05-Jun-12
BC10412-500	U2: SRSG - Erect SuperHeater Wall Panels	4	11-Jul-12	17-Jul-12
BC10152-242	U2: SRSG - T13 - ELT / Weld-out Vendor LB Pipe	75	11-Jul-12	23-Oct-12
Boiler / SRSG Tier 14				
BC10412-632	U2: SRSG: Upper Prot Panels - Pre-assy N & W Walls	0	17-May-12 A	24-May-12 A
BC10412-634	U2: SRSG: Upper Prot Panels - Pre-assy S & E Walls	0	17-May-12 A	24-May-12 A
BC10132-252	U2: SRSG T14: Stage Pipe at Grade Ph2 next to tower	0	22-May-12 A	29-May-12 A
BC10132-253	U2: SRSG T14: West Mod - Lift & Set	0	30-May-12 A	30-May-12 A
BC10132-254	U2: SRSG T14: East Mod - Lift & Set	0	30-May-12 A	30-May-12 A
BC10132-510	U2: SRSG T14: Ground Assemble TM Dampers & Support Steel	4	16-May-12 A	04-Jun-12
BC10132-255	U2: SRSG T14: Erect Perimeter Infill Steel, Plumb & Rattle	5	30-May-12 A	05-Jun-12
BC10132-1030	U2: SRSG T14: Removal of Construction aids in Tower	8	29-May-12 A	11-Jun-12
BC10152-256	U2: SRSG T14: Load Pipe Elev 536' (39 spools under TMD)	6	06-Jun-12	14-Jun-12
BC10132-540	U2: SRSG T14: Lift & Set Infill Steel w/TM Damper 1 & 2 at Elev 536'	3	18-Jun-12	20-Jun-12
BC10132-555	U2: SRSG T14: Lift & Set TMD #3, remainder infill steel, TMD components	2	21-Jun-12	25-Jun-12
BC10132-557	U2: SRSG T14: Install stick built roof and TMD supporting frame Elev 550'	1	26-Jun-12	26-Jun-12
BC10132-559	U2: SRSG T14: Attach TMD masses to TMD support frames, jack-up to final position, install springs	3	27-Jun-12	02-Jul-12
BC10132-585	U2: SRSG T14: Damper System Initial Testing	1	03-Jul-12	03-Jul-12
BC10412-612	U2: SRSG: Upper Prot Panels - Lift & Set W Wall	1	18-Jul-12	18-Jul-12
BC10412-614	U2: SRSG: Upper Prot Panels - Lift & Set N Wall	1	18-Jul-12	18-Jul-12
BC10412-616	U2: SRSG: Upper Prot Panels - Lift & Set S Wall	1	19-Jul-12	19-Jul-12
BC10412-618	U2: SRSG: Upper Prot Panels - Lift & Set E Wall	1	19-Jul-12	19-Jul-12
BC10412-619	U2: SRSG: Upper Prot Panels - Install Corners & Soffit	2	19-Jul-12	23-Jul-12
BC10252-100	U2: SRSG T14: Install Skyclimber	6	24-Jul-12	01-Aug-12
BC10152-257	U2: SRSG T14: Load Pipe above Elev 536'	30	27-Jun-12	16-Aug-12
BC10152-810	U2: SRSG Boiler - Install Instrumentation	35	19-Jun-12	20-Aug-12
BC10132-1020	U2: SRSG T14: Final Tower Inspection / Punchlist	41	12-Jun-12	21-Aug-12



Activity ID	Activity Name	Dur.	Start	Finish
BC10152-299	U2: SRSG Boiler - Weld-out LB Bechtel Pipe (T9-T14)	84	20-Mar-12 A	23-Oct-12
BC10152-252	U2: SRSG - T14 - ELT / Weld-out Vendor LB Pipe	76	18-Jul-12	31-Oct-12
BC10152-800	U2: SRSG Boiler - Install SB Bechtel Pipe & Hangers (T9-T14)	90	17-Apr-12 A	01-Nov-12
BC10162-385	U2: SRSG Boiler - Install Cable Tray (T10-T14)	94	23-Jul-12	08-Jan-13

Auxiliary (Gas) Boiler Underground

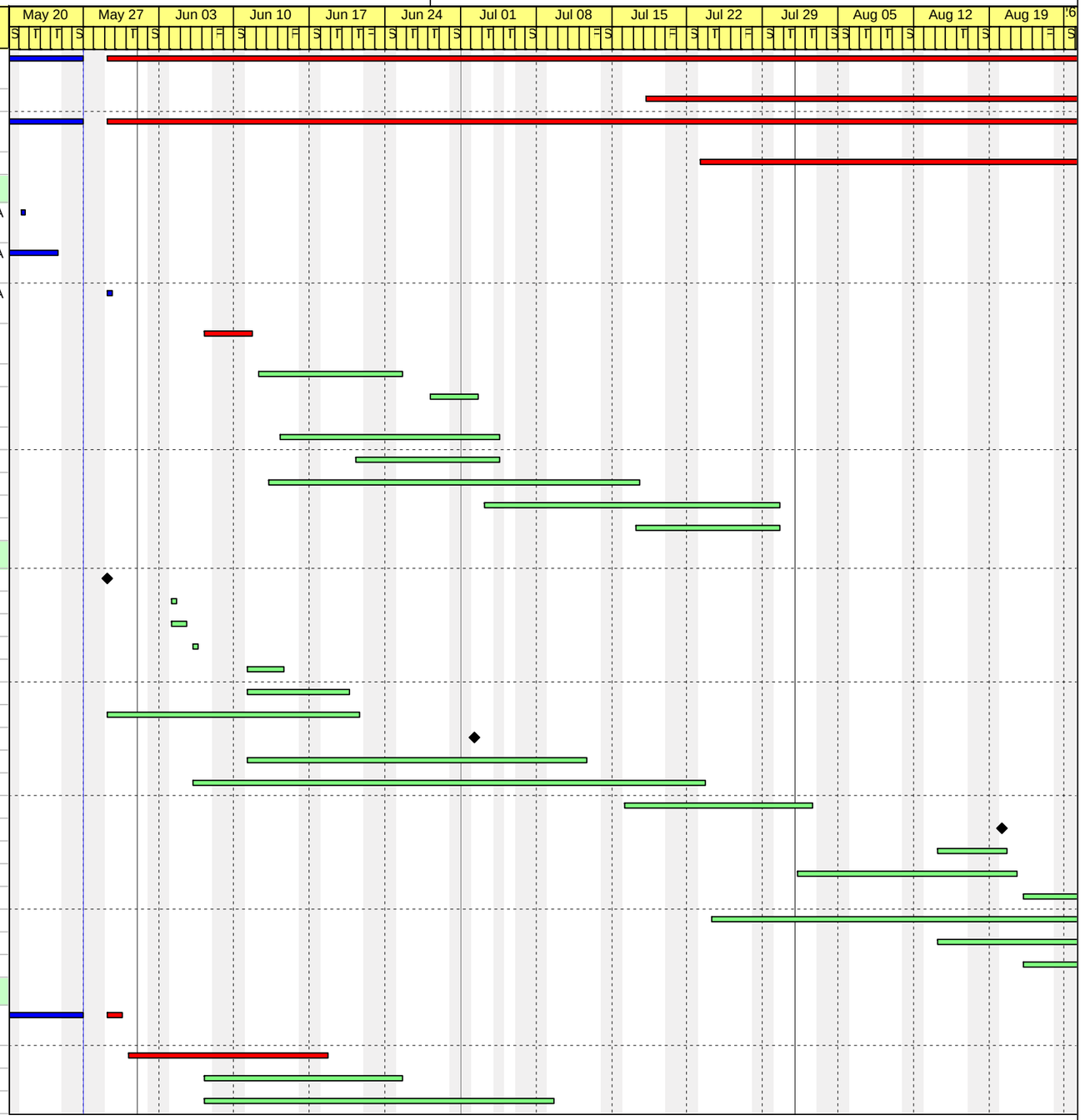
Activity ID	Activity Name	Dur.	Start	Finish
BC19122-135	U2: Aux Boiler Sump - Install Misc Steel	0	21-May-12 A	21-May-12 A
BC19122-100	U2: Aux Boiler - Foundation FREP	0	02-May-12 A	24-May-12 A
BC19512-270	U2: Constr Power Panel Board TP-2B - Energize (By Aux Boiler)	0	29-May-12 A	29-May-12 A
BC38162-100	U2: Aux Boiler - BCP Battery E-House - Excavate to Bottom of Conduit	2	07-Jun-12*	11-Jun-12
BC38162-110	U2: Aux Boiler - BCP Battery E-House - Install conduit	8	12-Jun-12	25-Jun-12
BC38162-120	U2: Aux Boiler - BCP Battery E-House - Backfill to Bottom of Concrete	2	28-Jun-12	02-Jul-12
BC19122-110	U2: Night Preservation Boiler & Pumps - Foundation FREP	12	14-Jun-12	04-Jul-12
BC0015C-840	FG Pipeline: Install & Test A/G Pipe at U2 Pig Receiver	8	21-Jun-12	04-Jul-12
BC05122-200	U2: Aux Boiler Pipe Rack Foundation FREP	20	13-Jun-12	17-Jul-12
BC38122-100	U2: Aux Boiler - BCP Battery E-House - Foundation FREP	16	03-Jul-12	30-Jul-12
BC33122-380	U2: ETP3: FREP Transformer FND (next to SRSG UPS & E-module)	8	17-Jul-12	30-Jul-12

Auxiliary (Gas) Boiler Level 1

Activity ID	Activity Name	Dur.	Start	Finish
BFSS012-230	U2: SS01 - Steel - Deliver Aux Boiler Pipe Rack [Seq 320]	0		29-May-12
BC19372-170	U2: Aux Boiler - Set Sole Plates	1	04-Jun-12*	04-Jun-12
BC19122-120	U2: Aux Boiler - Set Crane Mats	2	04-Jun-12*	05-Jun-12
BC19372-160	U2: MBFD: Aux Boiler - Set Economizer	1	06-Jun-12	06-Jun-12
BC19242-100	U2: MSXF Fuel Gas Drain Tank - Install Equipment	4	11-Jun-12	14-Jun-12
BC19272-110	U2: MSXF Fuel Gas Separator - Install Equipment	7	11-Jun-12	20-Jun-12
BC21212-110	U2: MPVE - Sump Pumps 4A & 4B (Aux Boiler Area) - Set Equipment	15	29-May-12	21-Jun-12
BNEU002-095	U2: EU00-2: SRSG Area UPS & Electrical Module - Deliver to Site	0		02-Jul-12
BC19272-100	U2: MEE0 - Fuel Gas Heater - Set	20	11-Jun-12	12-Jul-12
BC19372-100	U2: MBFD: Aux Boiler - Gas - Install Equipment	27	06-Jun-12	23-Jul-12
BC19172-110	U2: Fuel Gas - Install Instrumentation	12	16-Jul-12	02-Aug-12
BCMBF12-110	U2: MBFD-2: Night Preservation Boiler - Deliver	0		20-Aug-12
BC33282-380	U2: ETP3: Install Transformer (next to SRSG UPS & E-module)	4	14-Aug-12	20-Aug-12
BC05132-210	U2: Aux Boiler Pipe Rack Steel Erection	12	01-Aug-12	21-Aug-12
BC38282-100	U2: EU00-2: Install SRSG UPS & Electrical Module	12	22-Aug-12	12-Sep-12
BC19162-020	U2: Aux Boiler Area - Install Cable Tray	48	24-Jul-12	16-Oct-12
BC19162-030	U2: Aux Boiler Area - Install A/G Conduit	48	14-Aug-12	06-Nov-12
BC05152-220	U2: Aux Boiler Area - Install LB Pipe & Hangers	72	22-Aug-12	27-Dec-12

Turbine Area Underground

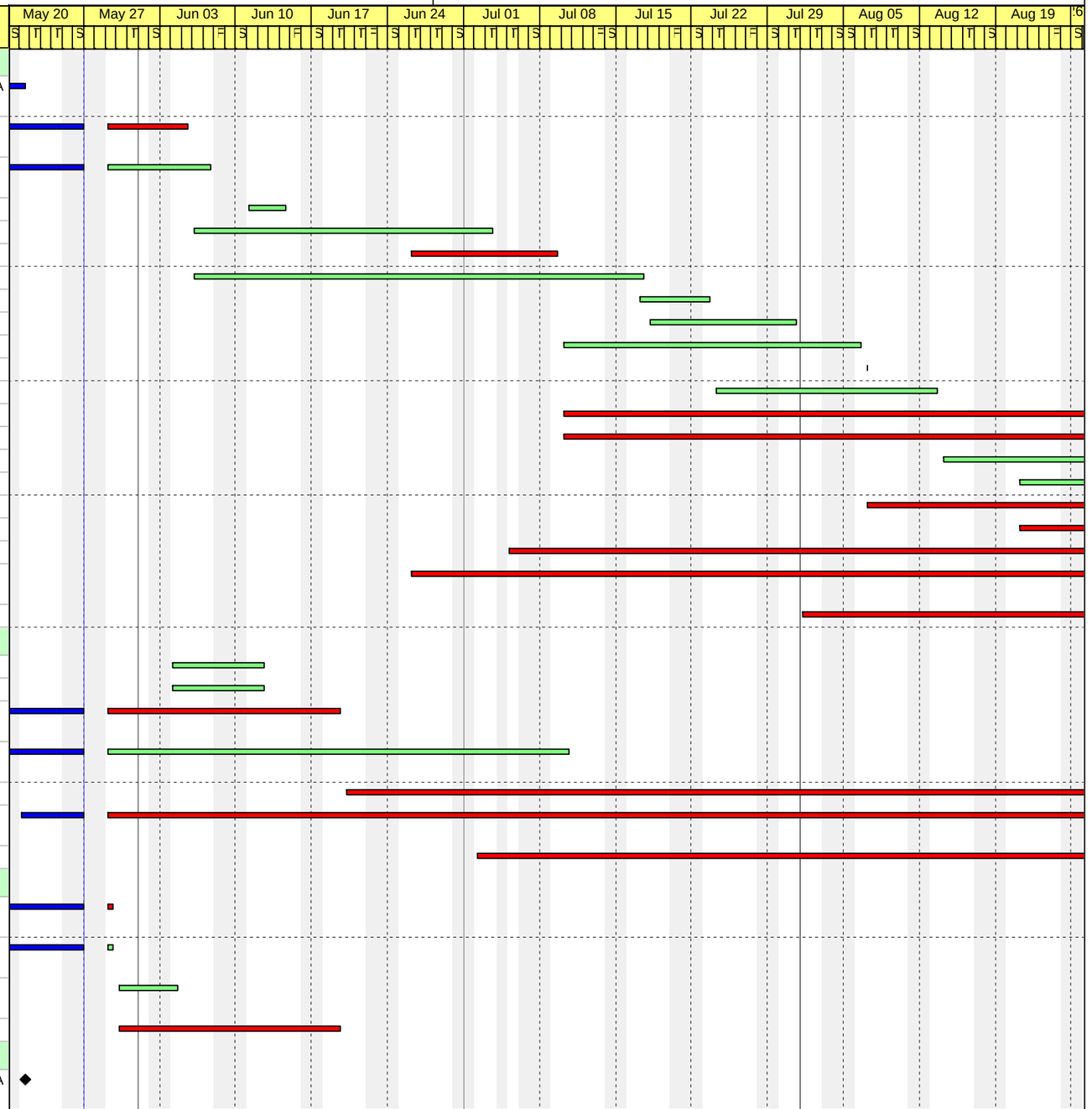
Activity ID	Activity Name	Dur.	Start	Finish
BC21122-310	U2: Lube Oil - Excavate & FREP Mat	2	01-May-12 A	30-May-12
BC21122-320	U2: Lube Oil - FREP Walls & Tank raised pad	10	31-May-12	18-Jun-12
BC21122-325	U2: Lube Oil - FREP Isophase Supports	10	07-Jun-12	25-Jun-12
BC21122-120	U2: Steam Turbine Maintenance and Laydown (North) FREP	18	07-Jun-12	09-Jul-12



▬ Actual Work
▬ Critical Remaining Work
▬ Remaining Work ◆
◆ Milestone

TASK filters: IH_IPAH - 6-week look ahead STWP (Construction), IPAH - 6-WEEK LOOK AHEAD_STWP (Timeframe).

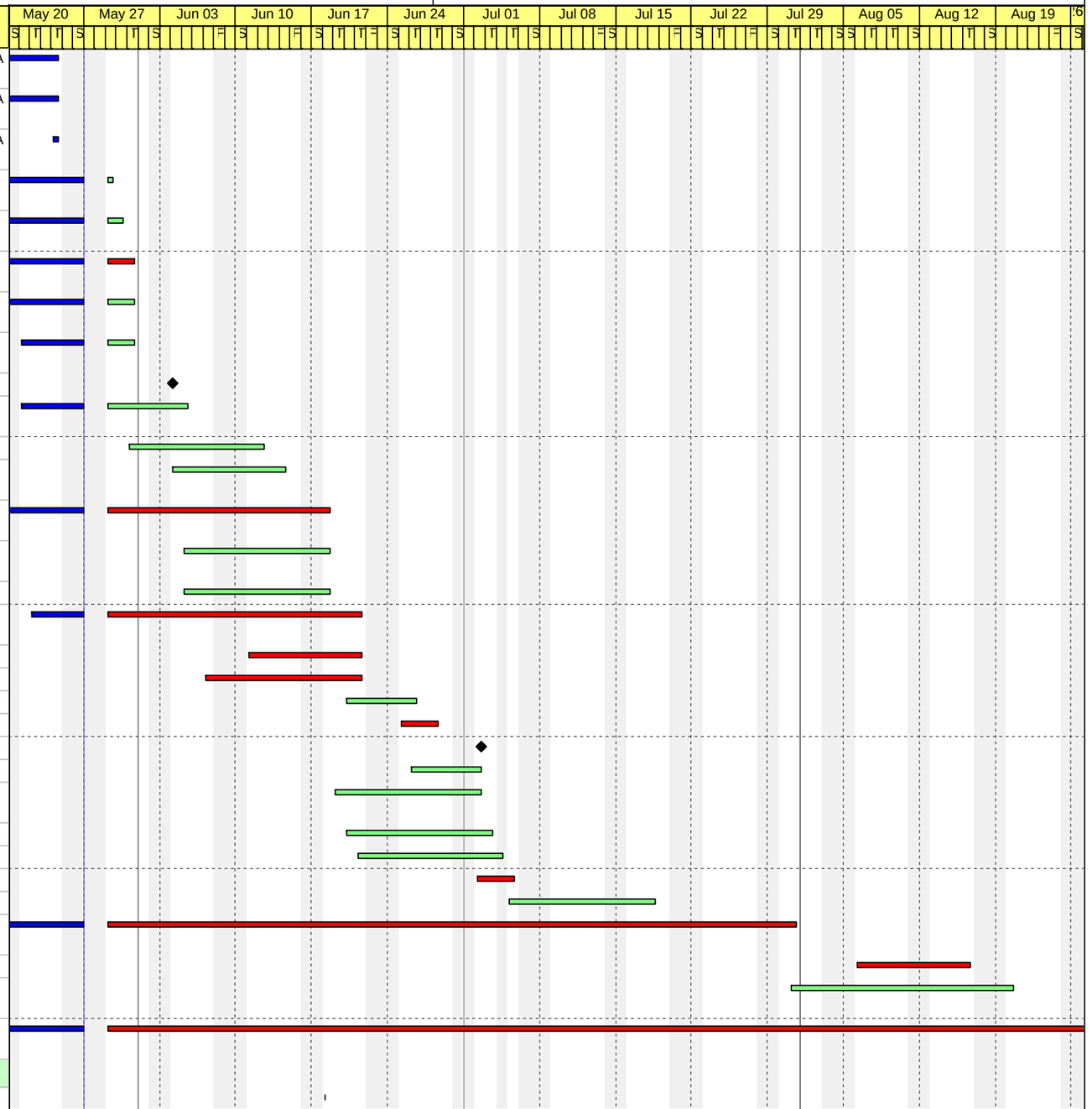
Activity ID	Activity Name	.Dur.	Start	Finish
Turbine Area Above Ground				
BC21122-350	U2: FREP Isophase Support inside STG Enclosure (NE corner)	0	03-Apr-12 A	21-May-12 A
BC21322-120	U2: MUSG: STG - Align Train	5	03-May-12 A	05-Jun-12
BC21322-114	U2: MUSG: STG TA Support for Equipment Receiving, Setting & Align	7	02-Apr-12 A	07-Jun-12
BC21322-119	U2: MUSG: STG TA Support for Alignment Check Prior to Coupling	4	11-Jun-12	14-Jun-12
BC21152-100	U2: MUSG: STG - Install ST Auxiliary Equipment	16	06-Jun-12	03-Jul-12
BC21152-180	U2: MUSG: STG Lube Oil - Set Tank, Pumps, Filter & Equipment	8	26-Jun-12	09-Jul-12
BC21132-170	U2: MUSG: STG - Erect Access Platforms [Seq 312]	24	06-Jun-12	17-Jul-12
BC33132-200	U2: EBB3 - Erect Isophase Bus Steel Inside STG Enclosure	4	17-Jul-12	23-Jul-12
BC21172-150	U2: MUSG: STG - Set Cubicles	8	18-Jul-12	31-Jul-12
BC21322-230	U2: MUSG: STG - Erect STG Enclosure Steel	16	10-Jul-12	06-Aug-12
BC21322-220	U2: MUSG: STG - Install STG Enclosure Siding	0	07-Aug-12	07-Aug-12
BC21322-315	U2: MUSG: STG - Erect Lube Oil Enclosure Steel	12	24-Jul-12	13-Aug-12
BC21152-110	U2: MUSG: STG Lube Oil - Install Lube Pipe & System	36	10-Jul-12	11-Sep-12
BC21152-120	U2: MUSG: STG Control Oil - Install Control Oil System	44	10-Jul-12	25-Sep-12
BC21322-320	U2: MUSG: STG - Install Lube Oil Enclosure Siding	28	14-Aug-12	02-Oct-12
BC30162-330	U2: STG Sound Enclosure - Install Lightning Protection	32	21-Aug-12	16-Oct-12
BC21162-100	U2: Turbine/Lube Oil Area - Install Cable Tray	40	07-Aug-12	16-Oct-12
BC20162-110	U2: Turbine Area - Install A/G Conduit	40	21-Aug-12	30-Oct-12
BC21152-130	U2: STG Area - Install LB Pipe & Hangers	70	05-Jul-12	06-Nov-12
BC20162-164	U2: Turbine Area - Cabling from STG EEM to STG/Heater Bay/T1 SRSG Tower	80	26-Jun-12	13-Nov-12
BC21152-140	U2: STG Area - Install SB Pipe & Hangers	70	01-Aug-12	03-Dec-12
Heater Bay Area Above Ground				
BC22232-170	U2: ME00 Gland Steam Condenser - Set Equipment	6	04-Jun-12*	12-Jun-12
BC22232-180	U2: ME00 Gland Steam Unit - Set Equipment	6	04-Jun-12	12-Jun-12
BC05132-200	U2: Heater Bay Steel Erection	13	25-Apr-12 A	19-Jun-12
BC19372-150	U2: MBHS - Electric Superheater - Install Equipment	25	15-May-12 A	10-Jul-12
BC05162-100	U2: Heater Bay Area - Install Cable Tray	70	20-Jun-12	22-Oct-12
BC05152-130	U2: Heater Bay Area - Install LB Pipe & Hangers	86	21-May-12 A	25-Oct-12
BC05152-140	U2: Heater Bay Area - Install SB Pipe & Hangers	90	02-Jul-12	05-Dec-12
Plant Services Area Underground				
BC30122-345	U2: PSB - Install Leach Field, Septic Tank & Backfill	1	30-Apr-12 A	29-May-12
BC33512-130	U2: Constr Power Panel Board TP-1D - Install, Pull Cable & Terminate (by PSB Leach Field)	1	07-May-12 A	29-May-12
BC33512-140	U2: Constr Power Panel Board TP-1D - Energize (by PSB Leach Field)	3	30-May-12	04-Jun-12
BC30122-350	U2: PSB - HVAC Foundation FREP	12	30-May-12*	19-Jun-12
Plant Services Area, Above Ground				
BFJD042-200	U2: JD04: MOV Master Station Deliver to Site	0		21-May-12 A



Activity ID	Activity Name	.Dur.	Start	Finish
BC37282-100	U2: MGED: Emerg. Diesel Generator - Set Equipment / Dressout	0	06-Apr-12 A	24-May-12 A
BC30282-140	U2: EU00-1 - UPS - Install AC in Plant Services Building	0	25-Apr-12 A	24-May-12 A
BC30282-150	U2: JD04: MOV Master Station - Install Cubicle in PSB	0	24-May-12 A	24-May-12 A
BC30172-110	U2: EMP6: Relay Panels - Install in Plant Services Building	1	01-May-12 A	29-May-12
BC30282-120	U2: ESM1-1: 4.16kV SWGR - Install in Plant Services Building	2	25-Apr-12 A	30-May-12
BC30172-100	U2: JD01: DCS - Install Cabinets in Plant Services Building	3	17-May-12 A	31-May-12
BC32162-164	U2: ES1 - Cabling (from SST to PSB)	3	16-May-12 A	31-May-12
BC30132-560	U2: AKBS-2 - Plant Services Building - Battery Room - Complete walls and overhead work and release to Bechtel	3	21-May-12 A	31-May-12
BFJD012-100	U2: JD01: DCS - Deliver Consoles (Operator Stations, Printers, etc)	0		04-Jun-12*
BCJD162-210	U2: JD1 - Pull Cables	5	21-May-12 A	05-Jun-12
BCES162-110	U2: ES - Install Terminations	7	31-May-12	12-Jun-12
BC37282-999	U2: MGED: Emerg. Diesel Generator - Rework to accommodate SCE in-rush	8	04-Jun-12*	14-Jun-12
BC30132-110	U2: AKBS-2 - Plant Services Building - Erect Building	12	06-Feb-12 A	18-Jun-12
BC30132-533	U2: AKBS-2 - Plant Services Building - Install Fire Detection System (Incl. ZIP & Fire Alarm panel)	8	05-Jun-12	18-Jun-12
BC30132-550	U2: AKBS-2 - Plant Services Building - Install Unit Fire Alarm Panel	8	05-Jun-12	18-Jun-12
BC30282-100	U2: EU00-1 - UPS - Install DC Batteries & Racks	15	22-May-12 A	21-Jun-12
BCED162-110	U2: ED - Install Terminations	8	11-Jun-12	21-Jun-12
BCJD162-110	U2: JD - Install Terminations at Cabinets	9	07-Jun-12	21-Jun-12
BSES012-010	U2: ES-2 4.16 kV Switchgear - Construction Turnover	4	20-Jun-12	26-Jun-12
BSJD012-001	U2: JD-1 - DCS - System Walkdown	4	25-Jun-12	28-Jun-12
BO30172-130	U2: PSB Solar Field Cubicle - Owner Deliver SFINCS	0		02-Jul-12
BC30132-260	U2: AKBS-2 - Plant Services Building - Install Vault Floor Hatches	4	26-Jun-12	02-Jul-12
BC30132-540	U2: AKBS-2 - Plant Services Building - Install Fire Supression Gaseous System	8	19-Jun-12	02-Jul-12
BS33282-040	U2: ES-1 - Essential Services Switchgear - System Walkdown	8	20-Jun-12	03-Jul-12
BC30172-140	U2: PSB Install DCS Furniture	8	21-Jun-12	04-Jul-12
BSJD012-010	U2: JD-1 - DCS - Construction System Turnover	4	02-Jul-12	05-Jul-12
BC30172-130	U2: JD01: DCS - Install Consoles in PSB Control Room	8	05-Jul-12	18-Jul-12
BC30162-030	U2: PSB Area - Install A/G Conduit	37	15-May-12 A	31-Jul-12
BSEU012-100	U2: EU-1 - DC & UPS - Checkout / Energize	8	06-Aug-12	16-Aug-12
BC30172-120	U2: Solar Field Cubicle - Install Control Cabinets in Plant Services Building	12	31-Jul-12	20-Aug-12
BC30162-120	U2: PSB Area - Cabling within the PSB and to EEMs	63	07-May-12 A	17-Sep-12

Switchyard/ Main Transformers Area Underground

Activity ID	Activity Name	.Dur.	Start	Finish
BC33132-045	U2: Station Service Transformer - Set Ladder [Seq 340]	0	18-Jun-12*	18-Jun-12



Actual Work
Critical Remaining Work
Remaining Work ◆
◆ Milestone

TASK filters: IH_IPAH - 6-week look ahead STWP (Construction), IPAH - 6-WEEK LOOK AHEAD_STWP (Timeframe).

Activity ID	Activity Name	.Dur.	Start	Finish
BC33122-730	U2: Main/Aux Transformer FREP Valve Box	8	11-Jun-12*	21-Jun-12
BC33122-340	U2: Isophase Bus Foundations FREP Type F-1	12	21-Jun-12	11-Jul-12

Switchyard/ Main Transformers Area Above Ground

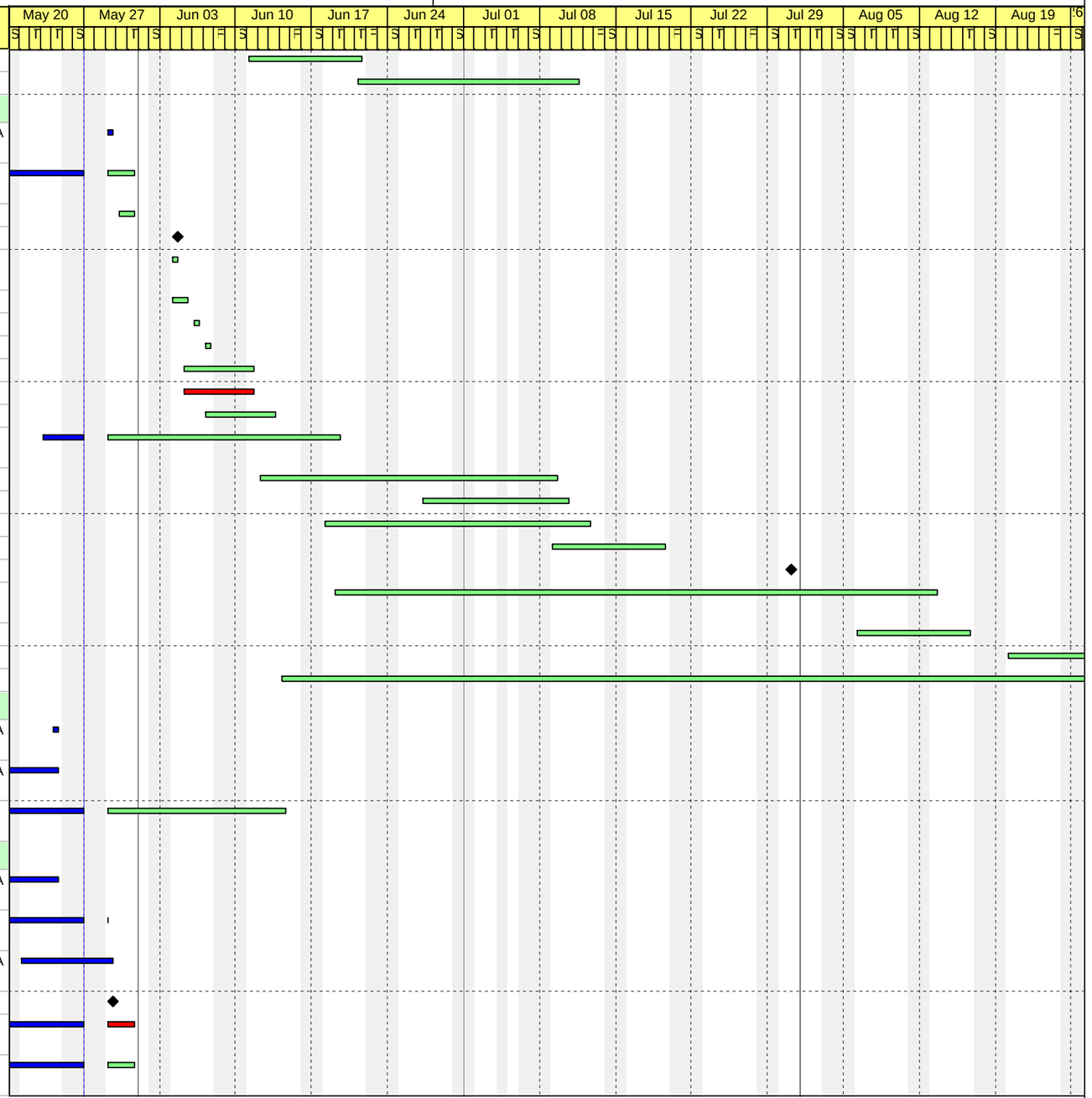
Activity ID	Activity Name	.Dur.	Start	Finish
BC33282-230	U2: Main Transformer - Install Deluge	0	29-May-12 A	29-May-12 A
BC35352-160	U2: EZ00: 115kV SWYD - FREP Bus Support Foundation	3	14-May-12 A	31-May-12
BC35122-120	U2: SWYD 115kV Metering Panel - Foundation Drill & FREP	2	30-May-12	31-May-12
BFEBB32-100	U2: EBB3: Isophase Bus - Deliver	0		04-Jun-12*
BC35122-130	U2: SWYD 115kV Metering Panel - Install Steel Support & Weather Enclosure	1	04-Jun-12	04-Jun-12
BC33282-300	U2: Excitation - Set Equipment	2	04-Jun-12	05-Jun-12
BC35352-102	U2: EZ00: 115kV SWYD - Erect Bus Steel	1	06-Jun-12	06-Jun-12
BC35162-030	U2: Switchyard/Transformer Area - Install A/G Conduit	1	07-Jun-12	07-Jun-12
BC35122-140	U2: SWYD 115kV Metering Panel - Install Panel & Cabling [by SCE]	4	05-Jun-12	11-Jun-12
BC75152-110	U2: WR1: Flush 6" WR line from 9-WR-MP-002A&B to U2 WR tank	4	05-Jun-12	11-Jun-12
BC35352-103	U2: EZ00: 115Kv SWYD - Test	4	07-Jun-12	13-Jun-12
BCPF162-130	U2: PF2 - Pull cables / terminate	13	23-May-12 A	19-Jun-12
BC33282-120	U2: EBB3 - Erect Isophase Bus (GCB to Transformers)	16	12-Jun-12	09-Jul-12
BC33282-245	U2: Main/Aux Transformer - Install Deluge Valve Box	8	27-Jun-12	10-Jul-12
BS33282-050	U2: ES-1- 33kV/4.16kV Station Service Transformer - Checkout	16	18-Jun-12	12-Jul-12
BC33152-10	U2: Station Service Transformer - Deluge Spray Pattern Test	8	09-Jul-12	19-Jul-12
BOZZOW2-230	U2: 115 KV BACKFEED AVAILABLE (PARTIAL) [Owner]	0	31-Jul-12*	
BS30162-130	U2: ETP0: Checkout Main Generation Switchyard to Support Full 115 kV Energization	32	19-Jun-12	13-Aug-12
BSEY012-001	U2: EY-1 GSUT/AUT Transformers / GCB -System Walkdown	8	06-Aug-12	16-Aug-12
BSEY012-010	U2: EY-1 GSUT/AUT Transformers / GCB -Construction Turnover	8	20-Aug-12	30-Aug-12
BC35162-164	U2: Switchyard/Transformer Area - Cabling	60	14-Jun-12	27-Sep-12

Water Treatment Area Underground

Activity ID	Activity Name	.Dur.	Start	Finish
BC70512-140	U2: Constr Power Panel Board TP-1A, 1C, 1F - Energize	0	24-May-12 A	24-May-12 A
BC70122-220	U2: Water Treatment Misc Pipe Supports - Area 2 FND FREP (by WR tank)	0	11-Apr-12 A	24-May-12 A
BC70122-240	U2: Water Treatment Misc Pipe Supports - Area 4 FND FREP (by WD tank)	11	23-Apr-12 A	14-Jun-12

Water Treatment Area Above Ground

Activity ID	Activity Name	.Dur.	Start	Finish
BC75242-110	U2: MT00 - Raw / Fire Water Tank - Trim	0	16-Apr-12 A	24-May-12 A
BC71262-110	U2: MWKW - Potable Water System - Set Tank & Equipment PW-MX-1	0	14-May-12 A	29-May-12
BC79212-130	U2: MPCG Mirror Wash Water Transfer Pumps 001A & 001B - Set Equipment	0	21-May-12 A	29-May-12 A
BFMTSC2-130	U2: MTSC: CS Shop Fab Tanks - Deliver Waste Water Tanks	0		29-May-12*
BC73272-100	U2: MEAW - Wet Surface Air Cooler - Install / Dressout (Incl Spray Pump)	3	16-Apr-12 A	31-May-12
BC73242-100	U2: MPPM CC Water Chem Addition - Set Skids TL-MS-1, 2 & 3 (South of WetSAC)	3	08-May-12 A	31-May-12



🟦 Actual Work
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◆ Milestone

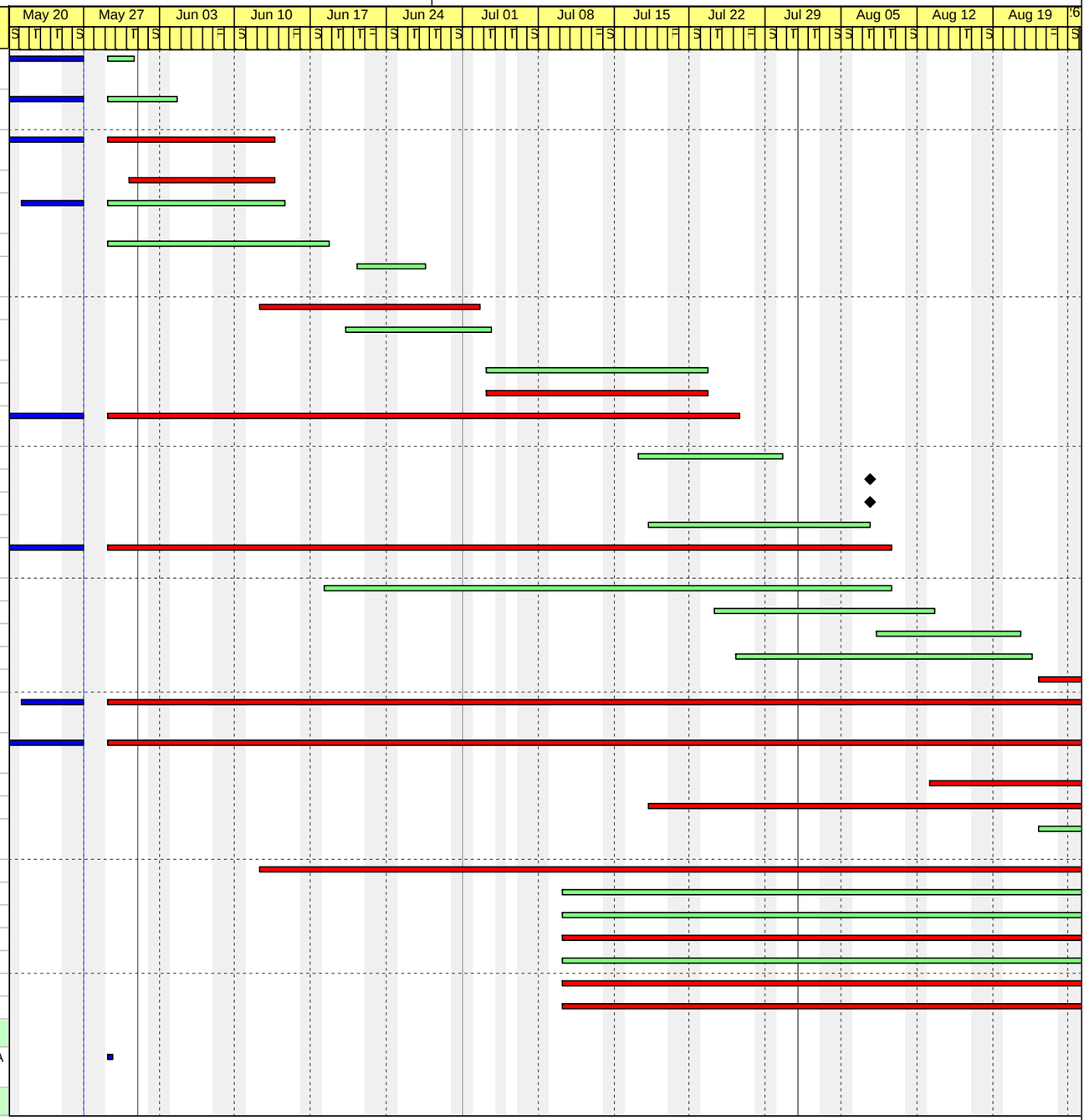
TASK filters: IH_IPAH - 6-week look ahead STWP (Construction), IPAH - 6-WEEK LOOK AHEAD_STWP (Timeframe).

Activity ID	Activity Name	.Dur.	Start	Finish
BC71242-115	U2: MT00 - Demin Water Storage Tank - Trim	3	09-May-12 A	31-May-12
BC70272-190	U2: MES0: Shell&Tube Exch. - Set Equipment	4	14-May-12 A	04-Jun-12
BC77222-100	U2: MCRA - Air Compressor / Receiver / Dryer - Set Equipment	10	25-Apr-12 A	13-Jun-12
BC71242-120	U2: MTSC Wastewater - Set Tank & Dressout	8	31-May-12	13-Jun-12
BCWR172-310	U2: WR - Install Instrumentation	11	21-May-12 A	14-Jun-12
BC79242-110	U2: MT00 - Mirror Wash Tank - Trim	12	29-May-12*	18-Jun-12
BSPF012-010	U2: PF-1 Fire Protection (for Energization)- Construction System Turnover	4	21-Jun-12	27-Jun-12
BC75242-105	U2: MT00 - Raw / Fire Water Tank - Static Test	12	12-Jun-12	02-Jul-12
BCPY102-110	U2: PY10 - Shower & Eye Wash - Install PW-PY-004 by WSAC Chem Skid	8	20-Jun-12	03-Jul-12
BC79242-105	U2: MT00 - Mirror Wash Tank - Static Test	12	03-Jul-12	23-Jul-12
BC71242-125	U2: MT00 - Demin Water Storage Tank - Static Test	12	03-Jul-12	23-Jul-12
BC71152-120	U2: Water Treatment Area - Install LB Pipe and Hangers	35	27-Mar-12 A	26-Jul-12
BCWR162-110	U2: WR - Install Terminations	8	17-Jul-12	30-Jul-12
BFMWDM2-100	U2: MWDM: Demineralizer - Deliver	0		07-Aug-12
BCMWDM2-100	U2: Demin Trailers Delivery (by Owner)	0		07-Aug-12
BC73242-110	U2: Water Treatment - Chem Skid Foundation Coating	12	18-Jul-12	07-Aug-12
BC71162-100	U2: Water Treatment Area - Install Cable Tray	43	09-Apr-12 A	09-Aug-12
BC00122-120	U2: Water Treatment - Install Misc Steel	32	18-Jun-12*	09-Aug-12
BCXW162-110	U2: XW - Install Terminations	12	24-Jul-12	13-Aug-12
BC73242-120	U2: Water Treatment - Chem Skid Sunshade Steel Erection	8	08-Aug-12	21-Aug-12
BCPA162-110	U2: PA - Install Terminations	16	26-Jul-12	22-Aug-12
BCPAWD2-010	U2: PA-1 Instrument Air (for Energization) - System Walkdown	4	23-Aug-12	29-Aug-12
BC71162-110	U2: Water Treatment Area - Install A/G Conduit	56	21-May-12 A	03-Sep-12
BC71152-130	U2: Water Treatment Area - Install SB Pipe and Hangers	58	07-May-12 A	06-Sep-12
BCMWDM2-110	U2: MWDM - Demineralizer - Set Trailers	16	13-Aug-12	10-Sep-12
BCWD162-110	U2: WD - Install Terminations	32	18-Jul-12	12-Sep-12
BSPA022-010	U2: PA2 - Air for instrument systems and remainder - System Walkdown	12	23-Aug-12	13-Sep-12
BC71162-164	U2: Water Treatment Area - Cabling	60	12-Jun-12	25-Sep-12
BCPW162-110	U2: PW - Install Terminations	48	10-Jul-12	02-Oct-12
BCWY162-110	U2: WY - Install Terminations	52	10-Jul-12	09-Oct-12
BCWB162-110	U2: WB - Install Terminations	64	10-Jul-12	30-Oct-12
BCWS162-110	U2: WS - Install Terminations	64	10-Jul-12	30-Oct-12
BCTL162-110	U2: TL - WSAC Chem Injection - Install Terminations	64	10-Jul-12	30-Oct-12
BC71172-100	U2: Water Treatment Facilities - Install Instrumentation	80	10-Jul-12	27-Nov-12

ACC E-house Area Underground

Activity ID	Activity Name	.Dur.	Start	Finish
BC23512-240	U2: Constr Power Panel Board TP-2D & TP-2E - Energize (By ACC)	0	29-May-12 A	29-May-12 A

ACC E-house Area



🟦 Actual Work	🟥 Critical Remaining Work
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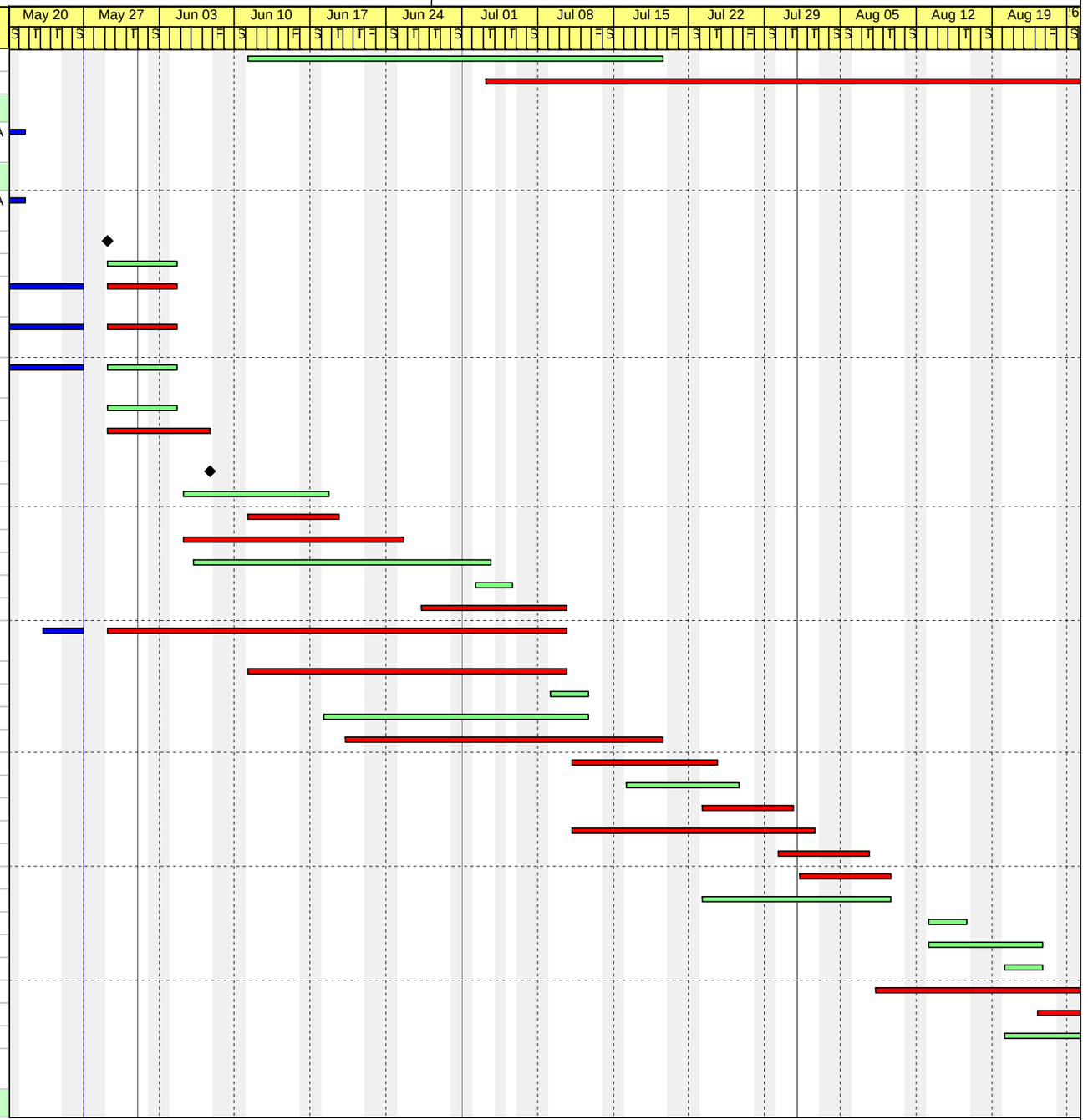
TASK filters: IH_IPAH - 6-week look ahead STWP (Construction), IPAH - 6-WEEK LOOK AHEAD_STWP (Timeframe).

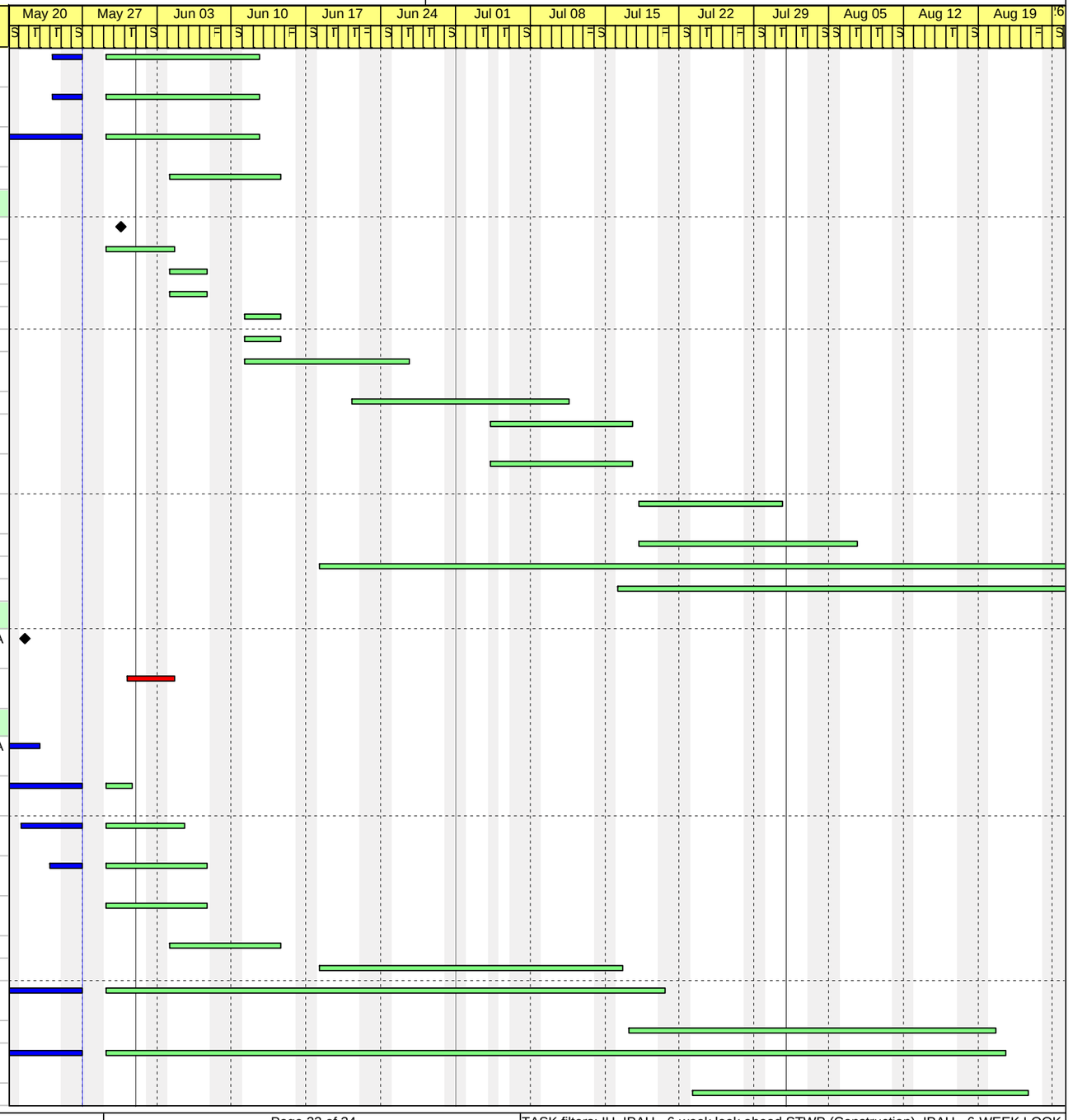
Activity ID	Activity Name	.Dur.	Start	Finish
BC23162-330	U2: ACC eHouse - Install Cable Tray	24	11-Jun-12	19-Jul-12
BC23162-020	U2: ACC Area - Install Cable Tray	80	03-Jul-12	20-Nov-12
ACC/ Condensate Polisher Underground				
BC23122-210	U2: Condensate Polisher - Foundation FREP	0	12-Apr-12 A	21-May-12 A
ACC/ Condensate Polisher Above Ground				
BC23132-100	U2: ACC - Erect South Stairs	0	16-Apr-12 A	21-May-12 A
BFMEAA2-125	U2: MEAA - Air Cooled Condenser - Last Delivery	0		29-May-12
BC23212-105	U2: MPGC: Condensate Pump 1A & 1B - Set Equipment	4	29-May-12	04-Jun-12
BC23272-110	U2: ACC - Street 1 - Preassemble Fan Bells	4	08-May-12 A	04-Jun-12
BC23272-410	U2: ACC - Street 2 - Preassemble Motor Bridges	4	02-May-12 A	04-Jun-12
BC23132-620	U2: ACC - Street 3 - Erect Steel Bents and Under Structure	4	26-Apr-12 A	04-Jun-12
BC23132-305	U2: ACC - Street 1 - Grout Columns	4	29-May-12	04-Jun-12
BC23272-120	U2: ACC - Street 1 - Lift & Set Fan Bells & Fan Screens	7	29-May-12 A	07-Jun-12
BFMEAA2-130	U2: MEAA - Air Cooled Condenser - Ducting Deliver	0		07-Jun-12*
BC23132-102	U2: ACC - Erect North Stairs	8	05-Jun-12	18-Jun-12
BC23272-140	U2: ACC - Street 1 - Install Motor Bridges	6	11-Jun-12	19-Jun-12
BC23272-430	U2: ACC - Street 2 - Preassemble A - Frame & Cond. Manifold	12	05-Jun-12*	25-Jun-12
BC23262-100	U2: MWDC: Condensate Polisher - Install	16	06-Jun-12	03-Jul-12
BC23212-120	U2: MPGC-2 Steam Duct Drain Pumps 002A & 002B - Set Equipment	4	02-Jul-12	05-Jul-12
BC23132-235	U2: Steam Duct from STG to ACC - Install Steel Supports	8	27-Jun-12	10-Jul-12
BC23272-145	U2: ACC - Street 1 - Preassemble A - Frame & Cond. Manifold	25	23-May-12 A	10-Jul-12
BC05132-237	U2: Steam Duct from STG to ACC - Pre-assemble	18	11-Jun-12	10-Jul-12
BC05132-230	U2: Steam Duct from BFP to ACC - Install Steel Supports	4	09-Jul-12	12-Jul-12
BC05132-232	U2: Steam Duct From BFP to ACC - Pre-assemble	16	18-Jun-12	12-Jul-12
BC23272-150	U2: ACC - Street 1 - Install A - Frame & Cond. Manifold	18	20-Jun-12	19-Jul-12
BC23272-400	U2: ACC - Street 2 - Preassemble Fan Bells	8	11-Jul-12	24-Jul-12
BC05132-233	U2: Steam Duct From BFP to ACC - Install Ducting	8	16-Jul-12	26-Jul-12
BC23272-440	U2: ACC - Street 2 - Lift & Set Fan Bells & Fan Screens	6	23-Jul-12	31-Jul-12
BC05132-238	U2: Steam Duct from STG to ACC - Install Ducting	14	11-Jul-12	02-Aug-12
BC23272-450	U2: ACC - Street 2 - Install Motor Bridges	6	30-Jul-12	07-Aug-12
BC23272-170	U2: ACC - Street 1 - Set Heat Exchanger Cores	6	01-Aug-12	09-Aug-12
BC23272-204	U2: ACC - Street 1 - Preassemble Siding	12	23-Jul-12	09-Aug-12
BC23272-205	U2: ACC - Street 1 - Erect West Perimeter Siding	4	13-Aug-12	16-Aug-12
BC23272-200	U2: ACC - Street 1 - Erect Steam Manifold	8	13-Aug-12	23-Aug-12
BC23212-700	U2: ACC Wash Water Pump - Set	4	20-Aug-12	23-Aug-12
BC23272-460	U2: ACC - Street 2 - Install A - Frame & Cond. Manifold	12	08-Aug-12	28-Aug-12
BC23272-494	U2: ACC - Street 2 - Preassemble Siding	12	23-Aug-12	13-Sep-12
BC23272-180	U2: ACC - Street 1 - Weldout	24	20-Aug-12	01-Oct-12
BC23272-830	U2: ACC - Misc operations & scaffolding and blade alignment (level of effort)	73	20-Aug-12	26-Dec-12
BFP Duct Support Area Underground				



Actual Work | Critical Remaining Work | Remaining Work | Milestone

TASK filters: IH_IPAH - 6-week look ahead STWP (Construction), IPAH - 6-WEEK LOOK AHEAD_STWP (Timeframe).

Activity ID	Activity Name	.Dur.	Start	Finish
BC10122-320	U2: Chemical Unloading - Foundation FREP [DB-7210-00009]	9	24-May-12 A	12-Jun-12
BC10122-330	U2: Nitrogen Bottle Rack & Oxygen Scavenger Skids Foundation - FREP [DB-7210-00011]	9	24-May-12 A	12-Jun-12
BC10122-355	U2: SA Pipe Supports North of SRSG - Foundation FREP	9	17-Apr-12 A	12-Jun-12
BC23122-545	U2: IDT/EDT - Steam Duct Drain Pumps Foundations FREP	8	04-Jun-12*	14-Jun-12
BFP Duct Support Area Above Ground				
BFMTSC2-160	U2: MTSC: CS Shop Fab Tanks - Deliver Int/Ext Drain tanks	0		30-May-12*
bC21212-125	U2: MPVE - Sump Pumps XW-MP-6 (IDT/EDT Pit) - Set Equipment	4	29-May-12	04-Jun-12
BC23242-100	U2: MTS0 Internal Drain Tank - Set Equipment	4	04-Jun-12	07-Jun-12
BC23242-120	U2: MTS0 External Drain Tank - Set Equipment	4	04-Jun-12	07-Jun-12
BC23212-130	U2: MPGC-2 Internal Drain Pumps 003A & 003B - Set Equipment	4	11-Jun-12	14-Jun-12
BC23212-140	U2: MPGC-2 External Drain Pumps 004A & 004B - Set Equipment	4	11-Jun-12	14-Jun-12
BC23132-550	U2: EDT/IDT - Install Misc Steel (Stairs, Platforms, Monorail) [Seq 350]	10	11-Jun-12*	26-Jun-12
BC78272-100	U2: MXR0 - Bottle Racks - Set Equipment	12	21-Jun-12	11-Jul-12
BC10262-100	U2: MPPM: Chemical Feed System (Amine Pump Skid AJ-MS-2) - Set Equipment	8	04-Jul-12	17-Jul-12
BC10262-120	U2: MPPM: Chemical Feed System (Oxygen Scavenger Pump Skid AJ-MS-1) - Set & Anchor Skid	8	04-Jul-12	17-Jul-12
BCPY102-112	U2: PY10 - Shower & Eye Wash - Install PW-PY-002 by SRSG Chem Skid	8	18-Jul-12	31-Jul-12
BC10262-140	U2: ACC Area - Chem Skid Foundation Coating (East of IDT/EDT)	12	18-Jul-12	07-Aug-12
BC05152-240	U2: Boiler Feed Pump Area - Install LB Pipe & Hangers	80	18-Jun-12	05-Nov-12
BC05152-250	U2: Boiler Feed Pump Area - Install SB Pipe & Hangers	80	16-Jul-12	03-Dec-12
Common Area / Switchyard / Admin Bldg / Well, S of U2				
BC0011C-380	Common Area: Well Water Available (33 kV Power System)	0		21-May-12 A
BC73212C-120	Common Area: 2WR1 Transfer Pumps - Run Motor 9-WR-MP-002A&B	2	31-May-12	04-Jun-12
U2 Solar Field				
BC87112-310	U2: Mow Solar Field down to 12" ~ 18"	0	01-Sep-11 A	23-May-12 A
BCSF111-180	U2: EAA1-3: Panel Boards - Install Embeded Conduit for PDU Foundations	3	01-May-12 A	31-May-12
BC87112-400	U2: Main Access Road Tortoise Guard	5	21-May-12 A	05-Jun-12
BCSF112-010	U2: EAA1-3: Panel Boards - FREP PDU 5 Foundations	7	24-May-12 A	07-Jun-12
BCSF112-10	U2: EAA1-3: Panel Boards - FREP PDU 7 Foundations	7	29-May-12 A	07-Jun-12
BCSF112-30	U2: EAA1-3: Panel Boards - FREP PDU 8 & 9 Foundations	8	04-Jun-12*	14-Jun-12
BCSF112-20	U2: EAA1-3: Panel Boards - FREP PDU 1,2,3,4, 6 & 10 Foundations	17	18-Jun-12	16-Jul-12
BC87112-220	U2 - Solar Field: Pylon Insertion 0% to 60%	38	05-Dec-11 A	20-Jul-12
BCSF172-010	U2: EAA1-3: Panel Boards - Install PDU in Solar Field	20	17-Jul-12	20-Aug-12
BC87202-250	U2 - Solar Field: Heliostat Install 0% to 60%	49	19-Jan-12 A	21-Aug-12
BC87112-230	U2 - Solar Field: Pylon Insertion 61% to 90%	20	23-Jul-12	23-Aug-12



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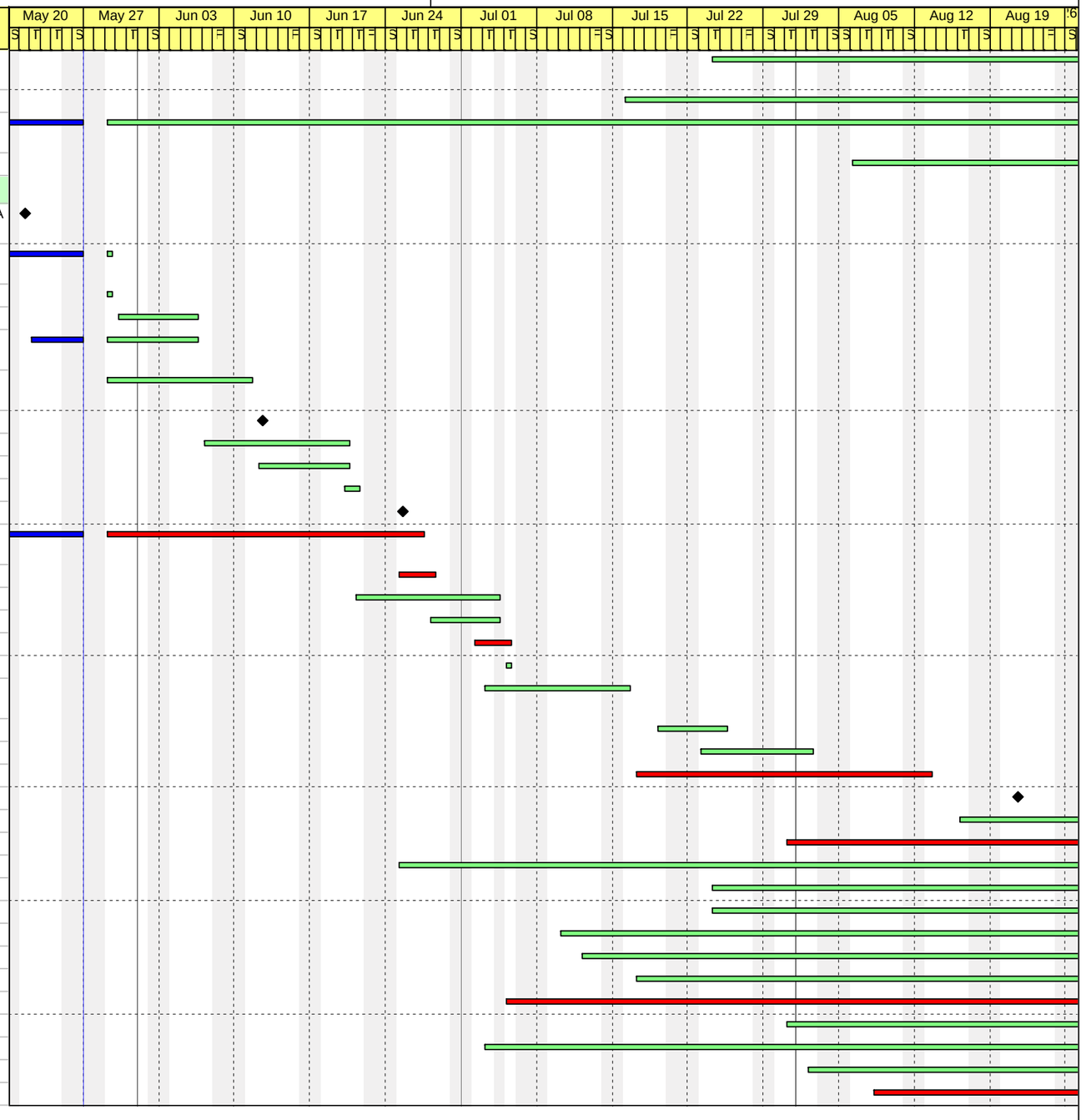
TASK filters: IH_IPAH - 6-week look ahead STWP (Construction), IPAH - 6-WEEK LOOK AHEAD_STWP (Timeframe).

Activity ID	Activity Name	.Dur.	Start	Finish
BCSF162-020	U2: EAA1-3: Panel Boards - Install Power Distribution in trenches for PDU to CPDU	24	24-Jul-12	03-Sep-12
BCEA162-100	U2: Solar Field - CPDU Cabling & Terms	75	16-Jul-12	22-Nov-12
BC87202-350	U2: Solar Field: CPDU Panel Installation	108	30-Apr-12 A	04-Dec-12
BCEA162-200	U2: Solar Field: CPDU Root and Trunk Cabling	85	06-Aug-12	07-Jan-13
No IPAH - AREA / MDL VOL				
BNEH002-150	U2: EH00-1: BOP Heat Trace - Deliver	0		21-May-12 A
BFMT00X-50	MT00: Field Erected Tanks - Prep Bid Package / IFB	1	26-Mar-12 A	29-May-12
BC75212-130	U2: PF1: Provide Temp Generator for Fire Pumphouse Testing	1	29-May-12*	29-May-12
BCEU162-110	U2: EU - Install Terminations	5	30-May-12*	06-Jun-12
BCPF162-110	U2: PF1: Pull cables / terminate	6	22-May-12 A	06-Jun-12
BOZZOW2-550	U2: TRANS-5: Prep & Submit FAA Form 7460-2 Par II to FAA, BLM & CPM	8	29-May-12	11-Jun-12
BFJV132-170	U2: JV13: Severe Control Valves - Deliver	0		12-Jun-12
BSPF012-001	U2: PF1 Fire Protection (for Energization)- System Walkdown	8	07-Jun-12	20-Jun-12
BCPF042-110	U2: PF4 - Install Cable / Terminations	6	12-Jun-12	20-Jun-12
BCVB162-110	U2: VB1 - Install Terminations	2	20-Jun-12	21-Jun-12
BFJXXE2-160	U2: JXXE: Instrument Enclosures - Deliver	0		25-Jun-12
BFPS022-AE3	U2: PS02: Piping - SB Pipe - Fab & Del - AE Critical	18	16-Apr-12 A	27-Jun-12
BSEU012-001	U2: EU-1 - DC & UPS - System Walkdown	4	25-Jun-12	28-Jun-12
BSPF042-001	U2: PF4 - PSB Wet Pipe Sprinkler - System Walkdown	8	21-Jun-12	04-Jul-12
BC75212-140	U2: PF1: Test Fire Pumphouse	4	28-Jun-12	04-Jul-12
BSEU012-010	U2: EU-1 - DC & UPS - Construction System Turnover	4	02-Jul-12	05-Jul-12
BC75212-160	U2: PF1: Flow Test Hydrant	1	05-Jul-12	05-Jul-12
BSPF052-001	U2: PF5 - PSB Fire Supression Gaseous System - System Walkdown	8	03-Jul-12	16-Jul-12
BCJD162-120	U2: JD - Install Terminations inside Control Room	4	19-Jul-12	25-Jul-12
BSPF022-001	U2: PF2 - Station Service Transformer Deluge - System Walkdown	8	23-Jul-12	02-Aug-12
BCEF162-110	U2: EF - Install Terminations	16	17-Jul-12	13-Aug-12
BNJL102-160	U2: JL10: RF / Radar Level Transmitters - Deliver	0		21-Aug-12
BSEK032-001	U2: EK-3 - SRSG E-House - System Walkdown	8	16-Aug-12	29-Aug-12
BCEC162-110	U2: EC - Install Terminations	40	31-Jul-12	09-Oct-12
BCAN162-110	U2: AN - Install Terminations	64	25-Jun-12	15-Oct-12
BCAF162-110	U2: AF - Install Terminations	48	24-Jul-12	16-Oct-12
BCAJ162-110	U2: AJ - Install Terminations	48	24-Jul-12	16-Oct-12
BCAR162-110	U2: AR - Install Terminations	64	10-Jul-12	30-Oct-12
BCEZ162-110	U2: EZ - Install Terminations	64	12-Jul-12	01-Nov-12
BCEE162-110	U2: EE - Install Terminations	64	17-Jul-12	06-Nov-12
BCEK162-110	U2: EK - Install Terminations	74	05-Jul-12	13-Nov-12
BCAE162-110	U2: AE - Install Terminations	64	31-Jul-12	20-Nov-12
BCEY162-110	U2: EY - Install Terminations	80	03-Jul-12	20-Nov-12
BCEH162-110	U2: EH - Install Terminations	64	02-Aug-12	22-Nov-12
BCFL162-110	U2: FL - Install Terminations	63	08-Aug-12	27-Nov-12



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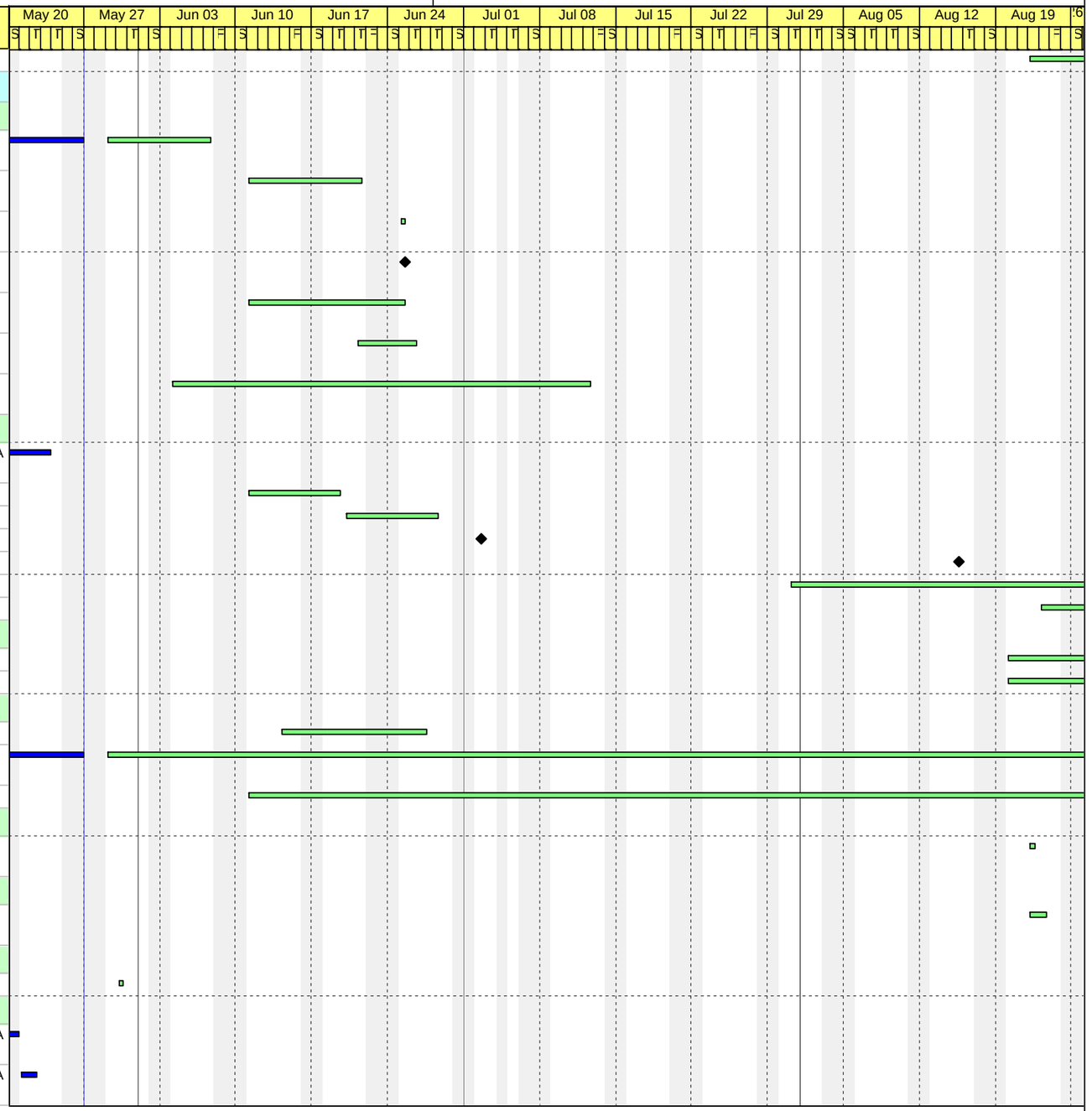
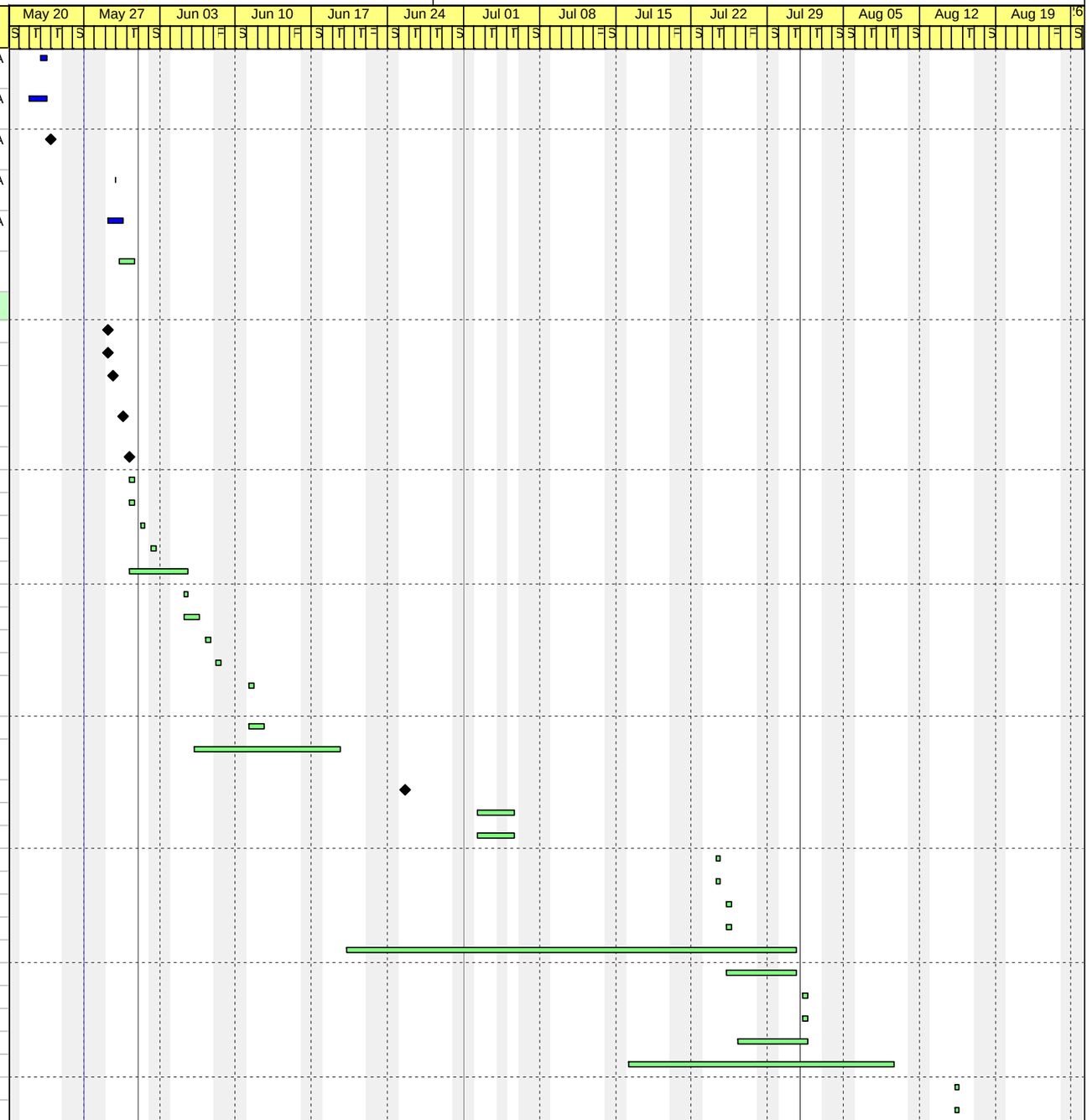
Activity ID	Activity Name	.Dur.	Start	Finish
BCEL162-110	U2: EL - Install Terminations	96	22-Aug-12	12-Feb-13
UNIT 3				
Powerblock Yard Area Underground, SE				
BC00163-330	U3: Powerblock Area - Trenching and Install Grounding	7	23-Feb-12 A	07-Jun-12
BS33123-060	U3: ETP2-1: 33kV/480V Construction Power Transformer - Checkout Temporary Power (TP-1X, 2X)	8	11-Jun-12	21-Jun-12
BS33123-061	U3: ETP2-1: 33kV/480V Construction Power Transformer Energize (TP-1X, 2X)	1	25-Jun-12	25-Jun-12
BS33123-062	U3: ETP2-1: 33kV/480V Construction Power - Power Available (TP-1X, 2X)	0		25-Jun-12
BC00113-430	U3: Main Access Road: Install approx 80' of Type 1 Motorized gate w/ Grounding	9	11-Jun-12	25-Jun-12
BC00113-440	U3: Kern River Gas Access Road: Remove (2) Temp Tortoise Guards & Install 50' Fence	3	21-Jun-12	26-Jun-12
BC00113-420	U3: CY10 - Complete Permanent Combo Fence for U3 Perimeter East Side [BMP]	24	04-Jun-12	12-Jul-12
Boiler / Tower Level 1				
BC10213-180	U3: MPGB-2: Main Boiler Feedwater Pump - Set Turbine Drive	0	17-May-12 A	24-May-12 A
BC10213-110	U3: MPCG CC Water Booster Pumps 002A & 002B - Set Equipment	6	11-Jun-12	19-Jun-12
BC10213-120	U3: MPCG Service Water Booster Pump - Set Equipment	6	20-Jun-12	28-Jun-12
BFMPGB3-150	U3: MPGB-1: Startup Boiler Feed Pumps - Delivery on Site	0		02-Jul-12*
BFMPGB3-140	U3: MPGB-2 & MUSS: BFP & BFP Turbine - Delivery	0		15-Aug-12*
BC10213-160	U3: MPGB: Startup Boiler Feedwater Pump - Set Pump and Motor	20	31-Jul-12	03-Sep-12
BC10213-140	U3: MPGB: Main Boiler Feedwater Pump - Set Pump and Turbine	16	23-Aug-12	20-Sep-12
Boiler / Tower Level 2				
BC10153-120	U3: SRSG Tower - Tier 2 - Load LB Pipe & Hangers	8	20-Aug-12	30-Aug-12
BC10153-198	U3: SRSG Tower - Rig & Load LB Pipe (Tier 1-9)	90	20-Aug-12	29-Jan-13
Boiler / Tower Level 3				
BC10533-010	U3: SRSG Tower - Install Temp Air Tugger	8	14-Jun-12	27-Jun-12
BC10163-380	U3: SRSG Tower - Install Cable Tray Risers Tiers 1~9	55	02-Apr-12 A	30-Aug-12
BC10163-360	U3: SRSG Tower Area - Install A/G Conduit	78	11-Jun-12	24-Oct-12
Boiler / Tower Level 5				
BC10153-150	U3: SRSG Tower - Tier 5 - Load LB Pipe & Hangers on Tier 4 platform	1	22-Aug-12	22-Aug-12
Boiler / Tower Level 7				
BC10153-170	U3: SRSG Tower - Tier 7 - Load Tier 5&6 Vertical LB Pipe thru Tier 6 Platform and stage Tier 7 pipe on Tier 6 platform	2	22-Aug-12	23-Aug-12
Boiler / Tower Level 8				
BC10283-110	U3: SRSG HVAC - Set in Tier 8	1	30-May-12	30-May-12
Boiler / Tower Level 9				
BC10133-198	U3: SRSG Tower - Tier 9 - Stick Build Cantiliver Platform at EL 426'	0	17-May-12 A	21-May-12 A
BC10133-192	U3: SRSG Tower - Bolt-up Partial Tier 9 (prior to staging spools on EL 427')	0	21-May-12 A	22-May-12 A



🟦 Actual Work
🟥 Critical Remaining Work
🟩 Remaining Work ◆
◆ Milestone

TASK filters: IH_IPAH - 6-week look ahead STWP (Construction), IPAH - 6-WEEK LOOK AHEAD_STWP (Timeframe).

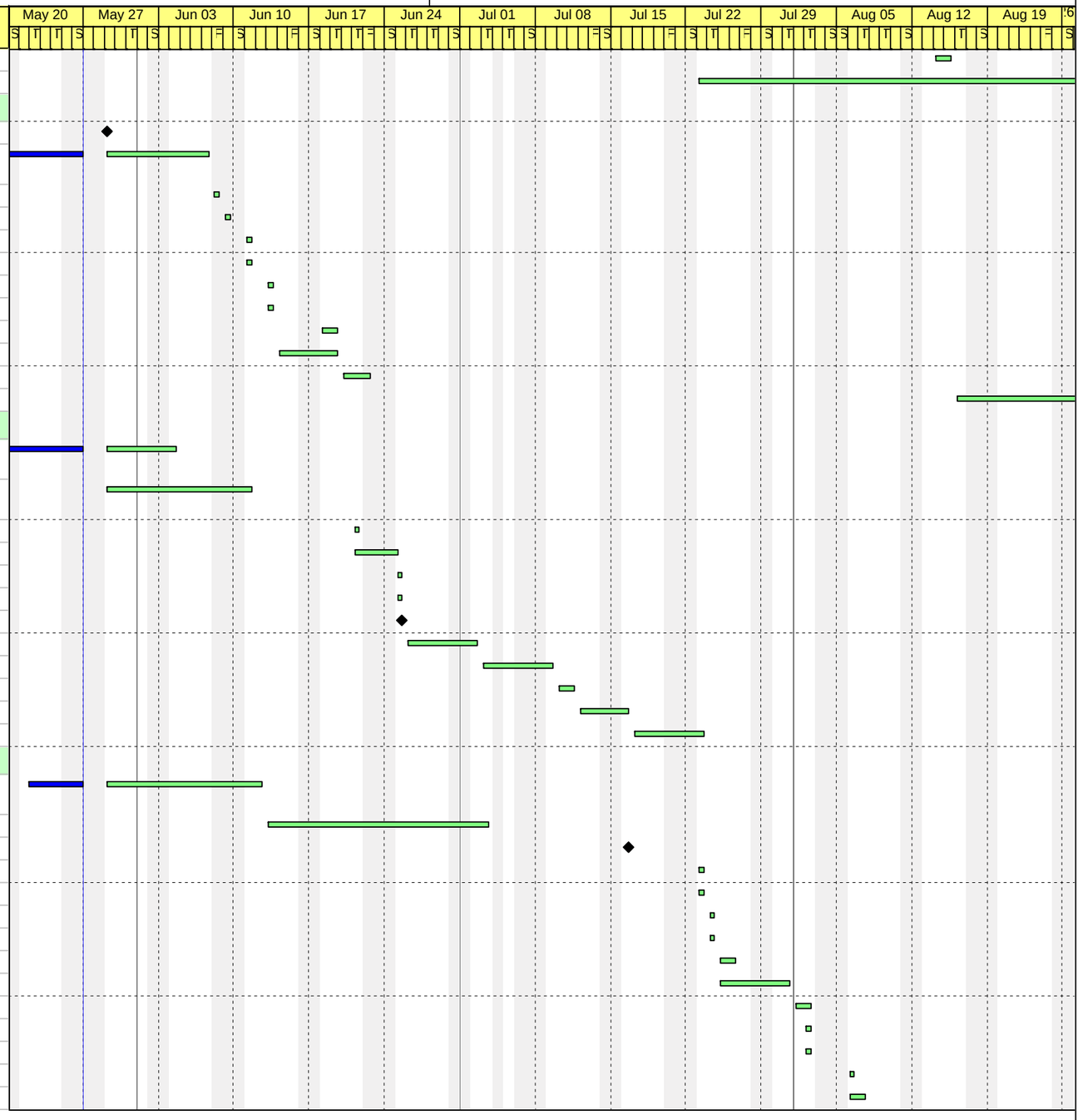
Activity ID	Activity Name	.Dur.	Start	Finish
BC10133-199	U3: SRSG Tower - Lift & Set Tier 9 Platform up to EL 439'	0	23-May-12 A	23-May-12 A
BC10153-810	U3: SRSG Tower - Tier 9 - Load Pipe, EL 427' (RPI Pipe)	0	22-May-12 A	23-May-12 A
BOMBST3-030	U3: SRSG Tower - Delivery to Job-Site BCP Motor	0		24-May-12 A
BC10153-195	U3: SRSG Tower - Tier 9 - Rig in Vertical Pipe on top of T9 Platform, EL 439' (RPI Pipe) (6 spools)	0	30-May-12 A	30-May-12 A
BC10133-192a	U3: SRSG Tower - Bolt-up, Plumb & Impact Tier 9 Platform & Prep for Tier 10	0	29-May-12 A	30-May-12 A
BC10133-580	U3: SRSG Tower - Lift & Set Tier 9 Boiler Circ Pump Casing up to EL 439'	2	30-May-12	31-May-12
Boiler / SRSG Tier 10				
BOMBST3-101	U3: MBST - SRSG Wall Panel Hangers - Deliver	0		29-May-12
BCEU003-088	U3: EU00-2: Deliver 480V AC UPS Dist Panel to Jobsite (EU-EU-P21)	0		29-May-12*
BOMBST3-100	U3: MBST - SRSG Wall Panels - Deliver Lower Lower Protection Panels	0		29-May-12*
BOMBST3-106	U3: MBST - SRSG Wall Panels - Deliver Lower Upper Protection Panels	0		30-May-12*
BZ00413-100	U3: FIRST SRSG LIFT	0	31-May-12	
BC10133-212	U3: SRSG T10: West Mod - Lift & Set	1	31-May-12	31-May-12
BC10133-214	U3: SRSG T10: East Mod - Lift & Set	1	31-May-12	31-May-12
BC10133-826	U3:Tower Crane - Crane Available to Jump from Section #29 to #30	1	01-Jun-12	01-Jun-12
BC10133-825	U3:Tower Crane - Tie Crane to building at Section #26	1	02-Jun-12	02-Jun-12
BC10133-215	U3: SRSG T10: Erect Perimeter Infill Steel, Plumb & Rattle	3	31-May-12	05-Jun-12
BC10153-215	U3: SRSG T10: Hang Pipe at Elev 451' (4 BM pieces)	1	05-Jun-12	05-Jun-12
BC10133-216	U3: SRSG T10: Erect Lower Infill Steel up to Elev 451'	2	05-Jun-12	06-Jun-12
BC10153-216	U3: SRSG T10: Load Pipe on Lower Infill at Elev 451' (5 spools)	1	07-Jun-12	07-Jun-12
BC10133-218	U3: SRSG T10: Erect Upper Infill Steel up to Elev 460'	1	08-Jun-12	08-Jun-12
BC10283-088	U3: EU00-2: Install 480V AC UPS Dist Panel (EU-EU-P21) in SRSG Module 1 (EL 3218')	1	11-Jun-12	11-Jun-12
BC10153-217	U3: SRSG T10: Load Pipe on Upper Infill at Elev 460' (12 spools)	2	11-Jun-12	12-Jun-12
BC10413-110	U3: SRSG: Lower Protection Panels / Unload to A-Frames/Perm Girts	8	06-Jun-12	19-Jun-12
BS33123-064	U3: Construction Power Available for Tower Production Piping	0		25-Jun-12
BC10413-132	U3: SRSG: LL Panels - Pre-assy N & W Walls	4	02-Jul-12	05-Jul-12
BC10413-134	U3: SRSG: LL Panels - Pre-assy S & E Walls	4	02-Jul-12	05-Jul-12
BC10413-112	U3: SRSG: LL Panels - Lift & Set N Wall	1	24-Jul-12	24-Jul-12
BC10413-114	U3: SRSG: LL Panels - Lift & Set W Wall	1	24-Jul-12	24-Jul-12
BC10413-116	U3: SRSG: LL Panels - Lift & Set S Wall	1	25-Jul-12	25-Jul-12
BC10413-118	U3: SRSG: LL Panels - Lift & Set E Wall	1	25-Jul-12	25-Jul-12
BC10413-120	U3: SRSG - Erect LL Protective Shield Panels	24	20-Jun-12	31-Jul-12
BC10413-136	U3: SRSG: LU Panels - Pre-assy N & W Walls	4	25-Jul-12	31-Jul-12
BC10413-122	U3: SRSG: LU Panels - Lift & Set N Wall	1	01-Aug-12	01-Aug-12
BC10413-124	U3: SRSG: LU Panels - Lift & Set W Wall	1	01-Aug-12	01-Aug-12
BC10413-138	U3: SRSG: LU Panels - Pre-assy S & E Walls	4	26-Jul-12	01-Aug-12
BCEWE13-100	U3: EWE1: Prep & Cut cable for SRSG Tower Modules	16	16-Jul-12	09-Aug-12
BC10413-128	U3: SRSG: LU Panels - Lift & Set E Wall	1	15-Aug-12	15-Aug-12
BC10413-126	U3: SRSG: LU Panels - Lift & Set S Wall	1	15-Aug-12	15-Aug-12



Actual Work | Critical Remaining Work | Remaining Work | Milestone

TASK filters: IH_IPAH - 6-week look ahead STWP (Construction), IPAH - 6-WEEK LOOK AHEAD_STWP (Timeframe).

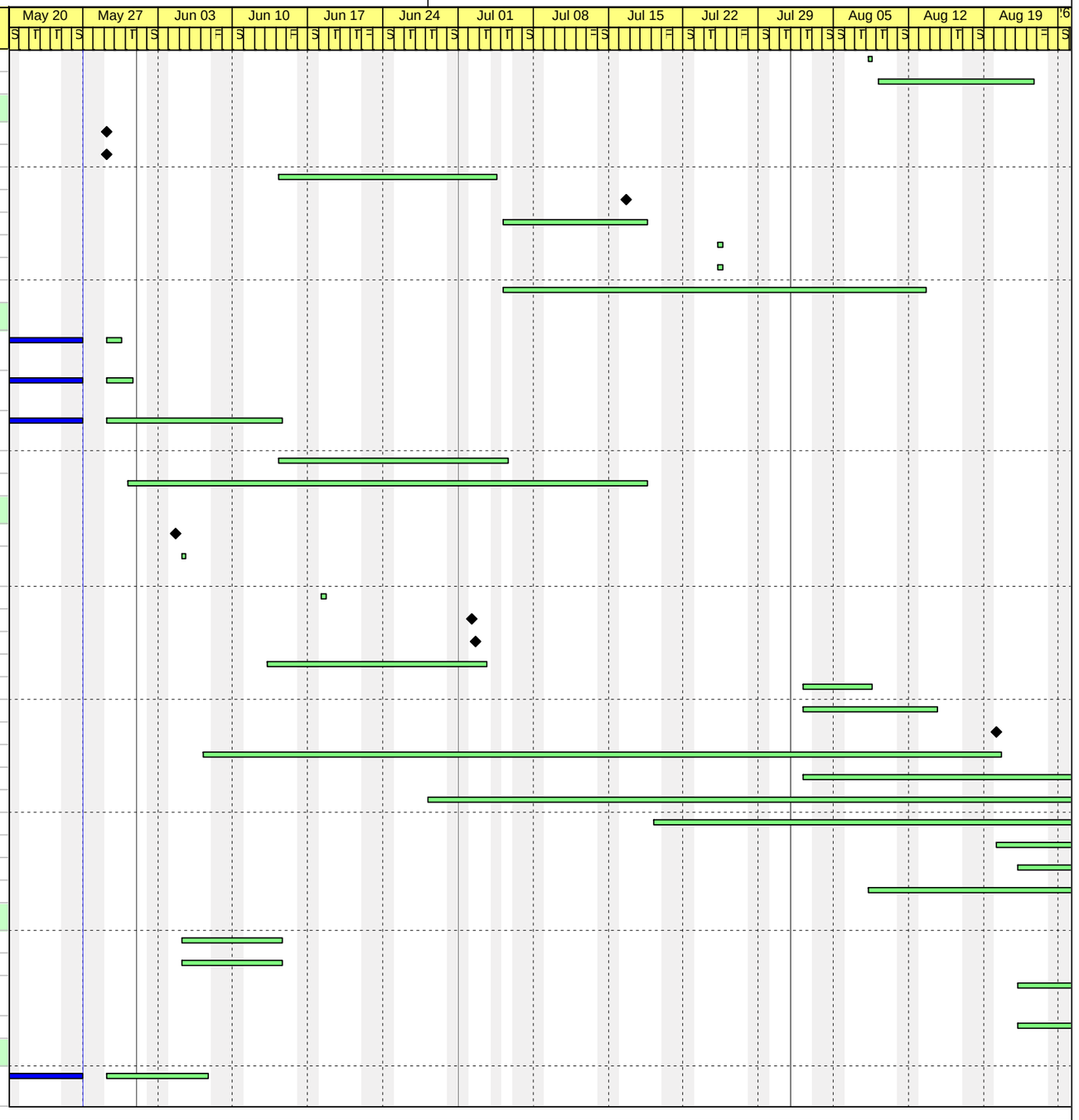
Activity ID	Activity Name	.Dur.	Start	Finish
BC10413-129	U3: SRSG: Lower Protection Panels - Install Corners	2	14-Aug-12	15-Aug-12
BC10163-385	U3: SRSG Boiler - Install Cable Tray SRSG Modules 1~5	64	23-Jul-12	12-Nov-12
Boiler / SRSG Tier 11				
BOMBST3-300	U3: MBST - SRSG Wall Panels - Deliver Reheater Panels	0		29-May-12*
BC10133-221	U3: SRSG T11: Stage Pipe at Grade	7	14-May-12 A	07-Jun-12
BC10133-960	U3:Tower Crane - Crane Available to Jump from Section #30 to #33	1	08-Jun-12	08-Jun-12
BC10133-970	U3:Tower Crane - Crane Available to Jump from Section #33 to #35	1	09-Jun-12	09-Jun-12
BC10133-330	U3: SRSG T11: West Mod -Transport & Setup Rigging	1	11-Jun-12	11-Jun-12
BC10133-335	U3: SRSG T11: East Mod -Transport & Setup Rigging	1	11-Jun-12	11-Jun-12
BC10133-222	U3: SRSG T11: West Mod - Lift & Set	1	13-Jun-12	13-Jun-12
BC10133-224	U3: SRSG T11: East Mod - Lift & Set	1	13-Jun-12	13-Jun-12
BC10133-226	U3: SRSG T11: Erect Lower Infill Steel up to Elev 472'	2	18-Jun-12	19-Jun-12
BC10133-225	U3: SRSG T11: Erect Perimeter Infill Steel, Plumb & Rattle	4	14-Jun-12	19-Jun-12
BC10153-226	U3: SRSG T11: Load Pipe on Lower Infill at Elev 472' (17 spools)	3	20-Jun-12	22-Jun-12
BC10413-300	U3: SRSG - Erect ReHeater Wall Panels	8	16-Aug-12	29-Aug-12
Boiler / SRSG Tier 12				
BC10133-230	U3: SRSG T12: Pre-Assy Steel	4	01-May-12 A	04-Jun-12
BC10133-231	U3: SRSG T12: Stage Pipe at Grade	8	29-May-12 A	11-Jun-12
BC10133-345	U3: SRSG T12: East Mod -Transport & Setup Rigging	1	21-Jun-12	21-Jun-12
BC10133-340	U3: SRSG T12: West Mod -Transport & Setup Rigging	1	21-Jun-12	25-Jun-12
BC10133-232	U3: SRSG T12: West Mod - Lift & Set	1	25-Jun-12	25-Jun-12
BC10133-234	U3: SRSG T12: East Mod - Lift & Set	1	25-Jun-12	25-Jun-12
BOMBST3-400	U3: MBST - SRSG Wall Panels - Deliver Steam Generator Panels	0		25-Jun-12*
BC10133-235	U3: SRSG T12: Erect Perimeter Infill Steel, Plumb & Rattle	4	26-Jun-12	02-Jul-12
BC10133-236	U3: SRSG T12: Erect Lower Infill Steel up to Elev 491'	4	03-Jul-12	09-Jul-12
BC10153-236	U3: SRSG T12: Load Pipe on Lower at Elev 491' (6 spools)	2	10-Jul-12	11-Jul-12
BC10133-238	U3: SRSG T12: Erect Upper Infill Steel up to Elev 500'	2	12-Jul-12	16-Jul-12
BC10153-237	U3: SRSG T12: Load Pipe on Upper Infill at Elev 500' (14 spools)	4	17-Jul-12	23-Jul-12
Boiler / SRSG Tier 13				
BC10133-240	U3: SRSG T13: Pre-Assy Steel	9	22-May-12 A	12-Jun-12
BC10133-241	U3: SRSG T13: Stage Pipe at Grade	12	13-Jun-12	03-Jul-12
BOMBST3-500	U3: MBST - SRSG Wall Panels - Deliver Superheater Panels	0		16-Jul-12*
BC10133-350	U3: SRSG T13: West Mod -Transport & Setup Rigging	1	23-Jul-12	23-Jul-12
BC10133-355	U3: SRSG T13: East Mod -Transport & Setup Rigging	1	23-Jul-12	23-Jul-12
BC10133-242	U3: SRSG T13: West Mod - Lift & Set	1	24-Jul-12	24-Jul-12
BC10133-245	U3: SRSG T13: East Mod - Lift & Set	1	24-Jul-12	24-Jul-12
BC10413-095	U3: MBST - SRSG Set Steam Drum Saddles in Module 4 at Grade	2	25-Jul-12	26-Jul-12
BC10133-249	U3: SRSG T13: Erect Perimeter Infill Steel, Plumb & Rattle	4	25-Jul-12	31-Jul-12
BC10133-246	U3: SRSG T13: Erect Lower Infill Steel up to Elev 511'	2	01-Aug-12	02-Aug-12
BC10413-600	U3: SRSG - Transport Drum to Power Block	1	02-Aug-12	02-Aug-12
BC10413-097	U3: SRSG - Transport Drum to Power Block	1	02-Aug-12	02-Aug-12
BC10153-246	U3: SRSG T13: Load Pipe on Lower Infill at Elev 511' (1 spool)	1	06-Aug-12	06-Aug-12
BC10133-248	U3: SRSG T13: Erect Upper Infill Steel up to Elev 524'	2	06-Aug-12	07-Aug-12



Actual Work | Critical Remaining Work | Remaining Work | Milestone

TASK filters: IH_IPAH - 6-week look ahead STWP (Construction), IPAH - 6-WEEK LOOK AHEAD_STWP (Timeframe).

Activity ID	Activity Name	.Dur.	Start	Finish
BC10413-100	U3: SRSG - Set Drum Elev 524'	1	08-Aug-12	08-Aug-12
BC10153-247	U3: SRSG T13: Load Pipe on Upper Infill at Elev 524' (65 spools)	9	09-Aug-12	23-Aug-12
Boiler / SRSG Tier 14				
BFSS013-024	U3: SRSG T14: Deliver Steel [Seq 250]	0		29-May-12*
BFMQLL3-100	U3: MQLL: Rigging System / Skyclimber - Delivery to Site	0		29-May-12
BC10133-250	U3: SRSG T14: Pre-Assy Steel	12	14-Jun-12	04-Jul-12
BOMBST3-600	U3: MBST - SRSG Wall Panels - Deliver Upper Protection Panels	0		16-Jul-12*
BC10133-510	U3: SRSG T14: Ground Assemble TM Dampers & Support Steel	8	05-Jul-12	18-Jul-12
BC10133-360	U3: SRSG T14: West Mod -Transport & Setup Rigging	1	25-Jul-12	25-Jul-12
BC10133-365	U3: SRSG T14: East Mod -Transport & Setup Rigging	1	25-Jul-12	25-Jul-12
BC10133-251	U3: SRSG T14: Stage Pipe at Grade	22	05-Jul-12	13-Aug-12
Auxiliary (Gas) Boiler Underground				
BC19123-100	U3: Aux Boiler - Gas - Foundation FREP	2	23-Apr-12 A	30-May-12
BC05123-200	U3: Aux Boiler Pipe Rack Foundation FREP	3	08-May-12 A	31-May-12
BC0015C-845	FG Pipeline: FREP Pipe Supports at U3 Pig Receiver - Ditch 35	11	08-May-12 A	14-Jun-12
BC19123-110	U3: Night Preservation Boiler & Pumps - Foundation FREP	13	14-Jun-12	05-Jul-12
BC19123-180	U3: Fuel Gas Heater / Knockout Drum / Drain Tank Foundation FREP	28	31-May-12	18-Jul-12
Auxiliary (Gas) Boiler Level 1				
BFMBFD3-100	U3: MBFD: Aux Boiler - Gas - Deliver	0		04-Jun-12*
BC21213-120	U3: MPVE - Sump Pumps 2A & 2B (Power Block Area) - Set Equipment	1	05-Jun-12	05-Jun-12
BC21213-110	U3: MPVE - Sump Pumps 4A & 4B (Aux Boiler Area) - Set Equipment	1	18-Jun-12	18-Jun-12
BNEU003-095	U3: EU00-2: SRSG Area UPS & Electrical Module - Deliver to Site	0		02-Jul-12
BFMSXF3-290	U3: MSXF - Fuel Gas Treatment - Deliver	0		02-Jul-12*
BC05133-210	U3: Aux Boiler Pipe Rack Steel Erection	12	13-Jun-12	03-Jul-12
BC19243-100	U3: MSXF Fuel Gas Drain Tank - Install Equipment	4	02-Aug-12	08-Aug-12
BC19273-110	U3: MSXF Fuel Gas Separator - Install Equipment	7	02-Aug-12	14-Aug-12
BCMBF13-110	U3: MBFD-2: Night Preservation Boiler - Deliver	0		20-Aug-12*
BC19373-100	U3: MBFD: Aux Boiler - Gas - Install Equipment	42	07-Jun-12	20-Aug-12
BC19273-100	U3: MEE0 - Fuel Gas Heater - Set	27	02-Aug-12	19-Sep-12
BC19163-020	U3: Aux Boiler Area - Install Cable Tray	48	28-Jun-12	20-Sep-12
BC19163-030	U3: Aux Boiler Area - Install A/G Conduit	48	19-Jul-12	11-Oct-12
BC19373-120	U3: MBFD-2 - Night Preservation Boiler - Install Equipment	32	20-Aug-12	15-Oct-12
BC19163-164	U3: Aux Boiler Area - Cabling	48	22-Aug-12	14-Nov-12
BC05153-220	U3: Aux Boiler Area - Install LB Pipe & Hangers	72	08-Aug-12	12-Dec-12
Turbine Area Underground				
BC21123-320	U3: Lube Oil - FREP Pedestal	7	05-Jun-12	14-Jun-12
BC21123-330	U3: Lube Oil - FREP Isophase Supports	7	05-Jun-12	14-Jun-12
BC21123-125	U3: Steam Turbine Maintenance and Laydown (South) Foundation FREP	12	22-Aug-12	12-Sep-12
BC21123-120	U3: Steam Turbine Maintenance and Laydown (North) FREP	16	22-Aug-12	19-Sep-12
Turbine Area Above Ground				
BC21123-110	U3: Turbine Pedestal - FREP	7	12-Mar-12 A	07-Jun-12



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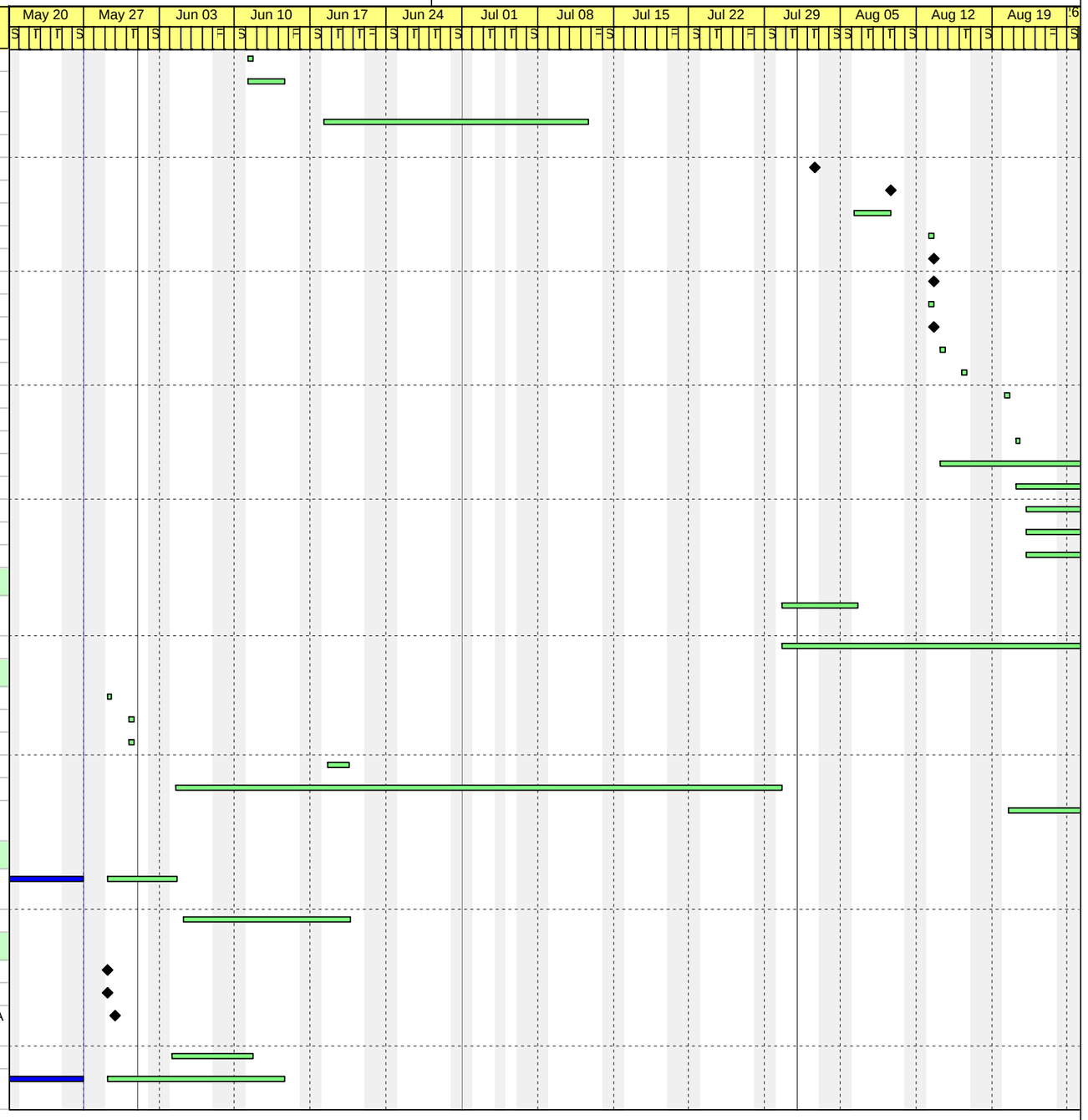
Activity ID	Activity Name	.Dur.	Start	Finish
BC21123-140	U3: MUSG: STG - Center Lining	1	11-Jun-12	11-Jun-12
BC21123-331	U3: Turbine Pedestal - Remove forms, chip, backfill, erect safety handrail & scaffold/platforms	4	11-Jun-12	14-Jun-12
BC21123-145	U3: MUSG: STG - Install sole plates	16	18-Jun-12	12-Jul-12
BC21123-144	U3: MUSG: STG TA Support for Installation of Sole Plates	27	29-May-12	12-Jul-12
BOMUSG3-160	U3: MUSG: STG Train & Accessories - Deliver IP/LP	0		02-Aug-12*
BOMUSG3-100	U3: MUSG: STG Train & Accessories - Deliver Stator	0		09-Aug-12
BC21133-190	U3: STG Gantry Crane - Erect	4	06-Aug-12	09-Aug-12
BC21133-105	U3: STG Gantry Crane - Load Test	1	13-Aug-12	13-Aug-12
BOMUSG3-170	U3: MUSG: STG Train & Accessories - Deliver HP	0		13-Aug-12
BOMUSG3-180	U3: MUSG: STG Train & Accessories - Deliver Accessories	0		13-Aug-12
BOMUSG3-200	U3: MUSG: Transport Generator to lift position	1	13-Aug-12	13-Aug-12
BC21323-260	U3: MUSG: STG - Deliver STG & Lube Enclosure & Steel	0		13-Aug-12
BC21323-115	U3: MUSG: STG - Set IP/LP	1	14-Aug-12	14-Aug-12
BC21323-100	U3: MUSG: STG - Set ST Stator	1	16-Aug-12	16-Aug-12
BC21323-240	U3: MUSG: STG - Set HP	1	20-Aug-12	20-Aug-12
BC21323-114	U3: MUSG: STG TA Support for Materials Inspection/Setting of STG	4	14-Aug-12	20-Aug-12
BC21133-180	U3: STG Gantry Crane - Dismantle	1	21-Aug-12	21-Aug-12
BC21173-150	U3: MUSG: STG - Set Cubicles	8	14-Aug-12	27-Aug-12
BC21323-120	U3: MUSG: STG - Align Train	20	21-Aug-12	25-Sep-12
BC21153-100	U3: MUSG: STG - Install ST Auxiliary Equipment	28	22-Aug-12	10-Oct-12
BC21153-110	U3: MUSG: STG Lube Oil - Install Lube Oil System	36	22-Aug-12	24-Oct-12
BC21153-120	U3: MUSG: STG Control Oil - Install Control Oil System	44	22-Aug-12	07-Nov-12
Heater Bay Area Underground				
BC22123-210	U3: ETP2-2: 4.16 kV/480 V MCC Transformer (STG) Foundation FREP	4	30-Jul-12	06-Aug-12
BC22123-300	U3: Electrical PDC Slab (STG) Foundation FREP	16	30-Jul-12	27-Aug-12
Heater Bay Area Above Ground				
BF22133-010	U3: SS01 - Steel Delivery Heater Bay [Seq 310]	1	29-May-12	29-May-12*
BC22233-140	U3: MESW: LP Feedwater Heater # 1 - Set Equipment at EL 111'-8"	1	31-May-12	31-May-12
BC22233-150	U3: MESW: LP Feedwater Heater # 2 - Set Equipment	1	31-May-12	31-May-12
BC19373-150	U3: MBHS - Electric Superheater - Install Equipment	2	18-Jun-12	20-Jun-12
BC05133-200	U3: Heater Bay Steel Erection	32	04-Jun-12	30-Jul-12
BC22283-140	U3: ETP2-2: 4.16 kV/ 480 V MCC Transformer (Tower & STG Area) - Set Equipment	4	20-Aug-12	27-Aug-12
Plant Services Area Underground				
BC30123-345	U3: PSB Leach Field & Septic Tank FREP	4	07-May-12 A	04-Jun-12
BC30122-360	U3: PSB - HVAC Foundation FREP	10	05-Jun-12	20-Jun-12
Plant Services Area, Above Ground				
BO30173-130	U3: Solar Field Cubicle - Owner Deliver	0		29-May-12*
BNEU003-140	U3: EU00-1: PSB DC/UPS System - Delivery to Job-Site	0		29-May-12*
BFMGED3-100	U3: MGED: Emerg.Diesel Generator - Deliver	0		30-May-12 A
BC30143-140	U3: AKBS-2 - Plant Services Building - Coat floors	5	04-Jun-12*	11-Jun-12
BC10111-900	U3: Light Poles foundation Excavation & FREP	11	17-Apr-12 A	14-Jun-12



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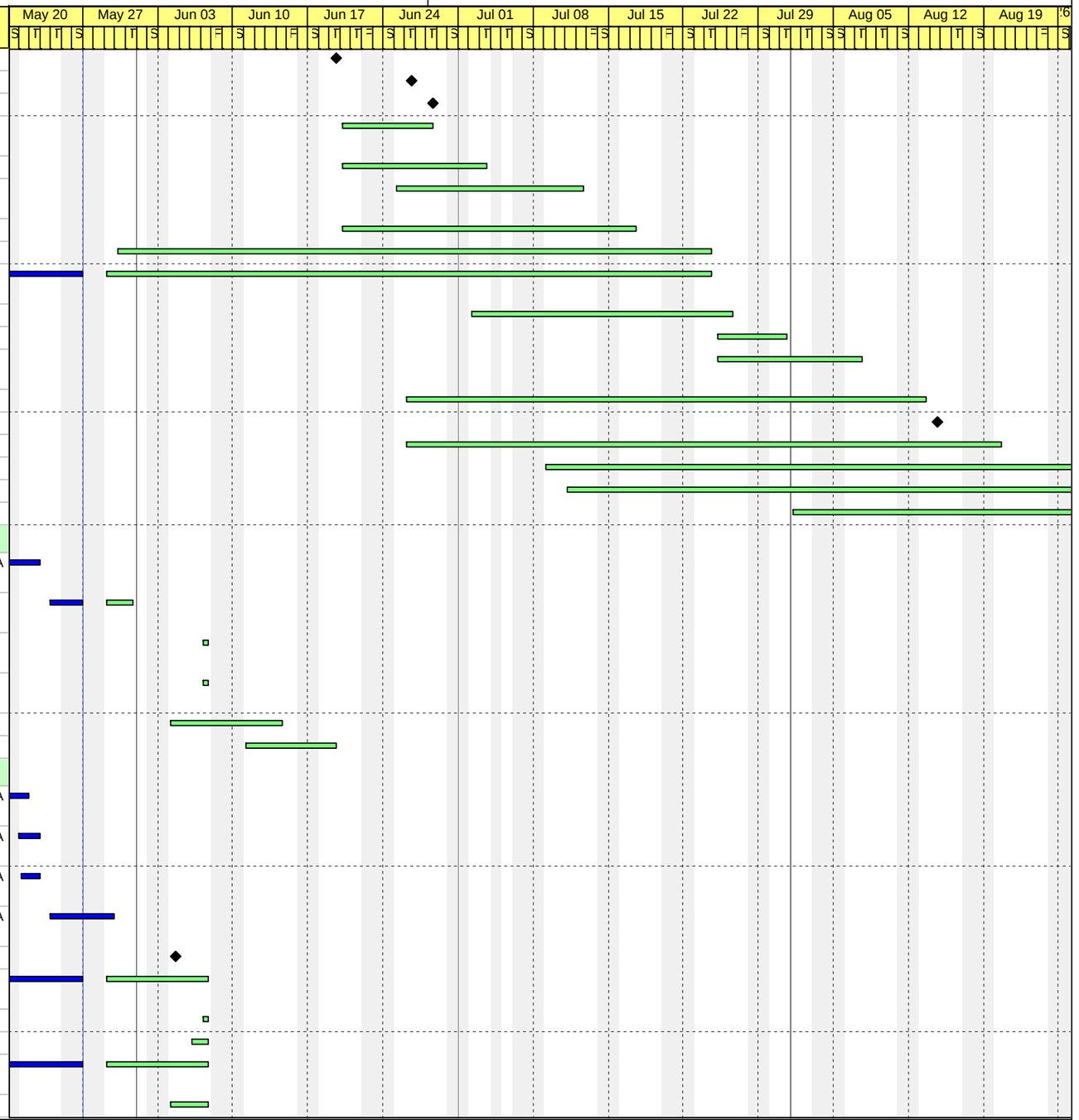
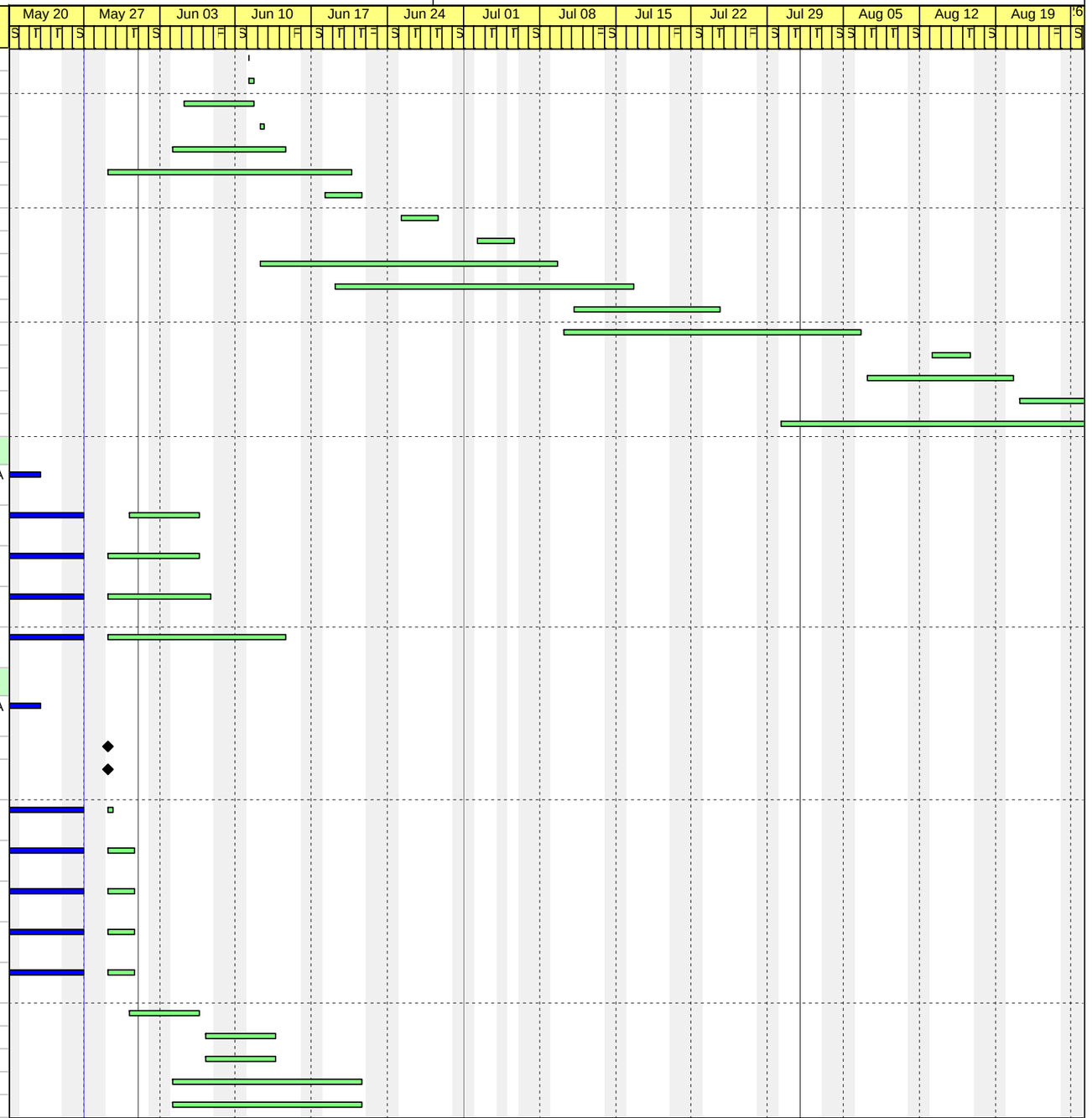
Activity ID	Activity Name	.Dur.	Start	Finish
BC30133-115	U3: AKBS-2 - Plant Services Building - Equip. Room Available	0		19-Jun-12*
BFJD043-200	U3: JD04: MOV Master Station Deliver to Site	0		26-Jun-12
BFJD013-105	U3: JD01: DCS - Deliver PSB I/O / Term Cabinets	0		28-Jun-12
BC30123-370	U3: PSB - Install Embeds / Inserts in PSB (North East side) for 4.16kV SWGR	6	20-Jun-12	28-Jun-12
BC30283-160	U3: EKL3 - 480V MCC's - Install in Plant Services Building	8	20-Jun-12	03-Jul-12
BC30173-120	U3: Solar Field Cubicle - Install Control Cabinets in Plant Services Building	12	25-Jun-12	12-Jul-12
BC30173-110	U3: EMP6: Relay Panels - Install in Plant Services Building	16	20-Jun-12	17-Jul-12
BC37283-100	U3: MGED: Emerg. Diesel Generator - Set Equipment / Dressout	32	30-May-12	24-Jul-12
BC30133-110	U3: AKBS-2 - Plant Services Building - Erect Building	33	09-Apr-12 A	24-Jul-12
BC30283-120	U3: ESM1-1: 4.16kV SWGR - Install in Plant Services Building	16	02-Jul-12	26-Jul-12
BC30283-150	U3: JD04: MOV Master Station - Install Cubicle in PSB	4	25-Jul-12	31-Jul-12
BC37283-160	U3: MGED: Rework Emerg. Diesel Generator to accomodate SCE in-rush	8	25-Jul-12	07-Aug-12
BC30283-100	U3: EU00-1 - UPS - Install DC Batteries	28	26-Jun-12	13-Aug-12
BFJD013-100	U3: JD01: DCS - Deliver TopEnd	0		14-Aug-12
BC30283-140	U3: EU00-1 - UPS - Install AC in Plant Services Building	32	26-Jun-12	20-Aug-12
BC30173-100	U3: JD01: DCS - Install Term Cabinets in Plant Services Building	40	09-Jul-12	17-Sep-12
BC30163-030	U3: PSB Area - Install A/G Conduit	44	11-Jul-12	26-Sep-12
BC30163-120	U3: PSB Area - Cabling within the PSB and to EEMs	90	01-Aug-12	10-Jan-13
Switchyard/ Main Transformers Area Underground				
BC33123-737	U3: Main/Aux Transformer - Set Precast Fire Walls	0	08-May-12 A	23-May-12 A
BC33123-767	U3: Main/Aux Transformer - Grout Precast Fire Walls and Install Concrete Caps	3	24-May-12 A	31-May-12
BC33163-040	U3: 33 kV/480V Constr Power Xformer - Install U/G Cable from Pad Mounted Switchgear to 33kV/480V SST	1	07-Jun-12	07-Jun-12
BC00163-020	U3: EWZ0: T-Line UG XLPE Cable - U3 (Power Block) to Common 115Kv Termination Structure - Hipot Test	1	07-Jun-12	07-Jun-12
BC33123-747	U3: Install Wing Walls besides Transformer - FREP Walls	8	04-Jun-12	14-Jun-12
BC33123-750	U3: Main/Aux Transformer Deluge Valve Box FREP	6	11-Jun-12	19-Jun-12
Switchyard/ Main Transformers Area Above Ground				
BC33283-511	U3: Station Service Transformer - Install Deluge	0	02-May-12 A	22-May-12 A
BC33283-180	U3: ETP1-1: Aux Transformer - Dressout	0	21-May-12 A	23-May-12 A
BC35123-110	U3: Generator Circuit Breaker - Erect Steel	0	21-May-12 A	23-May-12 A
BC33283-040	U3: 33kV/4.16kV Station Service Transformer - Dress / Trim out	0	24-May-12 A	30-May-12 A
BFEBB33-100	U3: EBB3: Isophase Bus - Deliver	0		04-Jun-12*
BC35353-100	U3: EZ00: SWYD & T-Line S/C - Clear & Grub, Furnish, Erect & Test OH Line from Common area to U3	7	22-Aug-11 A	07-Jun-12
BC35283-100	U3: ENG0 - Generator Circuit Breaker - Set Equipment	1	07-Jun-12	07-Jun-12
BC33283-140	U3: ETP0: Main Transformer - Dew Point / Vacuum / Oil Fill Circ	2	06-Jun-12	07-Jun-12
BC35163-100	U3: Switchyard/Transformer Area - Install Raceway	7	27-Mar-12 A	07-Jun-12
BC35353-103	U3: EZ00: 115Kv SWYD Set Equipment	4	04-Jun-12*	07-Jun-12



Actual Work | Critical Remaining Work | Remaining Work | Milestone

TASK filters: IH_IPAH - 6-week look ahead STWP (Construction), IPAH - 6-WEEK LOOK AHEAD_STWP (Timeframe).

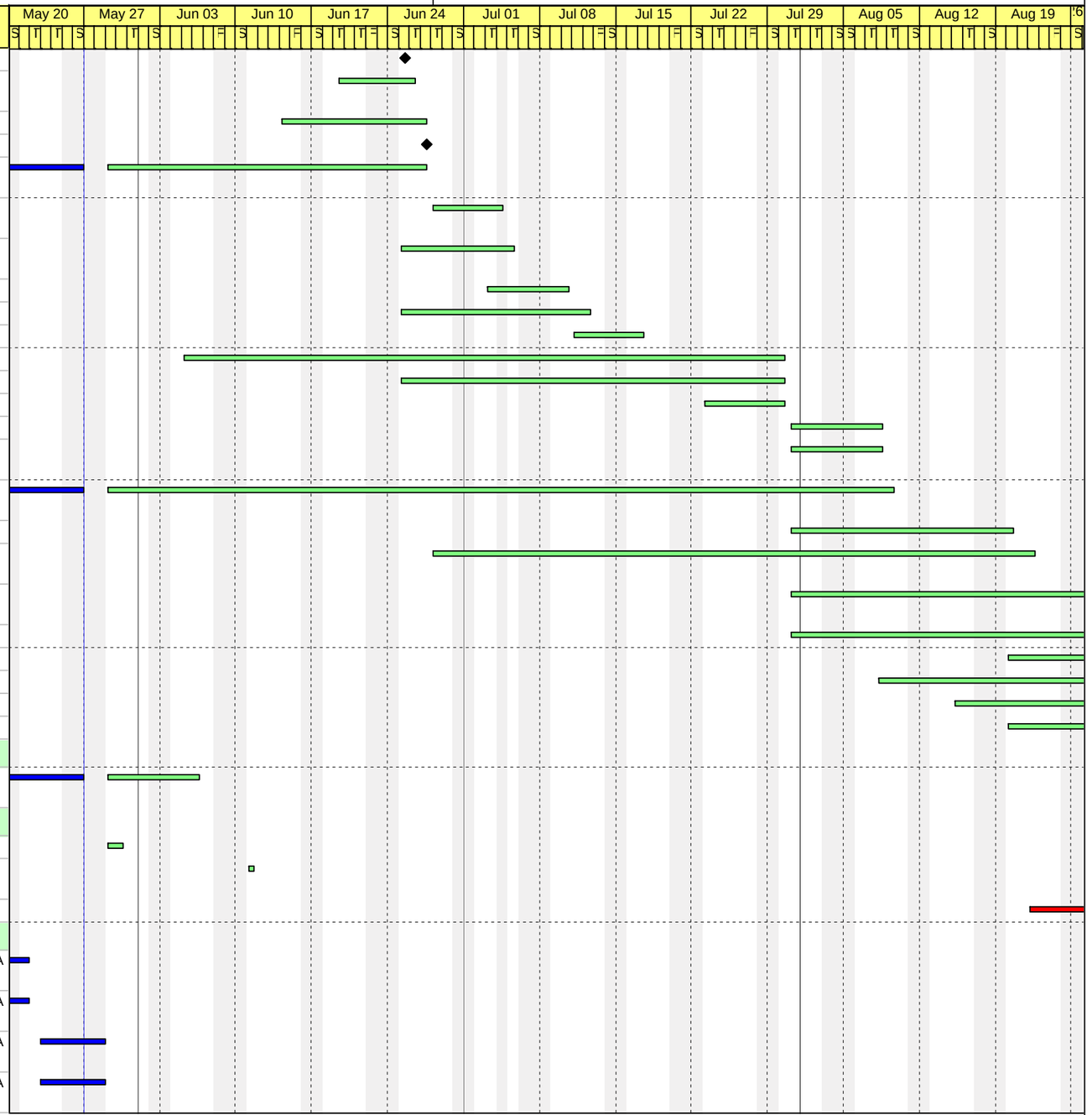
Activity ID	Activity Name	.Dur.	Start	Finish
BC33133-045	U3: Station Service Transformer - Set Ladder	0	11-Jun-12	11-Jun-12
BC33283-400	U3: ETP0: Main Transformer - Testing	1	11-Jun-12	11-Jun-12
BC33133-210	U3: EBB3 - Erect Isophase Bus Steel (GCB to Transformers)	4	05-Jun-12	11-Jun-12
BC33283-410	U3: ETP1-1: Aux Transformer - Testing	1	12-Jun-12	12-Jun-12
BC35352-170	U3: EZ00: 115Kv SWYD - FREP Ckt Brkr & Bus Support Foundation	8	04-Jun-12	14-Jun-12
BC35163-030	U3: Switchyard/Transformer Area - Install A/G Conduit	14	29-May-12	20-Jun-12
BC35352-180	U3: EZ00: 115Kv SWYD - Erect Ckt Brkr & Bus Steel	4	18-Jun-12	21-Jun-12
BC35353-104	U3: EZ00: 115Kv SWYD Install Electrical Work	4	25-Jun-12	28-Jun-12
BC35353-106	U3: EZ00: 115Kv SWYD Test	4	02-Jul-12	05-Jul-12
BC33283-230	U3:Main Transformer - Install Deluge	16	12-Jun-12	09-Jul-12
BC33283-120	U3: EBB3 - Erect Isophase Bus (GCB to Transformers)	16	19-Jun-12	16-Jul-12
BC33153-010	U3: Install Station Service transformer Fire Detection System	8	11-Jul-12	24-Jul-12
BC33283-240	U3:Aux Transformer - Install Deluge	16	10-Jul-12	06-Aug-12
BC33283-300	U3: Excitation - Set Equipment	4	13-Aug-12	16-Aug-12
BSEY013-001	U3: EY-1 GSUT/AUT Transformers / GCB -System Walkdown	8	07-Aug-12	20-Aug-12
BSEY013-010	U3: EY-1 GSUT/AUT Transformers / GCB -Construction Turnover	8	21-Aug-12	03-Sep-12
BC32163-164	U3: Energization - Cabling (from SST to PSB)	32	30-Jul-12	24-Sep-12
Water Treatment Area Underground				
BC73123-100	U3: Wet Surface Air Cooler Foundation - FREP	0	26-Mar-12 A	23-May-12 A
BC71123-100	U3: FREP Sodium Hypochlorite Dosing Skid & Tote, PW Filtering Skid Foundation FREP	4	30-Apr-12 A	06-Jun-12
BC70123-190	U3: SRSG Blowdown Cooler - Foundation FREP	6	17-May-12 A	06-Jun-12
BC77283-170	U3: WT Area Cathodic Protection for Carbon Steel pipe- Ditch 8	7	27-Mar-12 A	07-Jun-12
BC70123-290	U3: WT Area Misc Pipe Supports - FND FREP	11	18-Apr-12 A	14-Jun-12
Water Treatment Area Above Ground				
BC75213-120	U3: MPGF: Fire / Jockey Pumps - Grout and Fill up Concrete	0	17-May-12 A	23-May-12 A
BFMPCG3-112	U3: MPCG: Deliver WD-MP-001A/B Demin Transfer Pumps	0		29-May-12*
BFMPCG3-115	U3: MPCG: Deliver WY-MP-001A/B Mirror Wash Transfer Pumps / Control Panel	0		29-May-12
BC77283-160	U3: ETP2-2: 4.16 kV/ 480 V MCC Transformer (Water Treatment Area) 1-2 - Set Equipment	1	26-Apr-12 A	29-May-12
BC77223-100	U3: MCRA - Air Compressor / Receiver / Dryer - Set Equipment	3	16-May-12 A	31-May-12
BC75213-110	U3: MPGF: Fire / Jockey Pumps - Set Equipment & Trim out	3	03-May-12 A	31-May-12
BC71243-110	U3: MT00 - Demin Water Storage Tank - Erect & Trim	3	15-May-12 A	31-May-12
BC75213-150	U3: MPGF: Fire / Jockey Pumps - Install A/G Conduit	3	10-May-12 A	31-May-12
BC73283-K1	U3: EKL3: Water Treatment E-House - Install UPS Panel	4	31-May-12	06-Jun-12
BC71263-110	U3: MWKW - Potable Water System - Set Tank & Equipment	4	07-Jun-12	13-Jun-12
BC71263-120	U3: MPCG - Potable Water Supply Pumps 001A&B - Set	4	07-Jun-12	13-Jun-12
BC79243-100	U3: MT00 - Mirror Wash Tank - Erect, Trim & Static Test	12	04-Jun-12	21-Jun-12
BC71243-125	U3: MT00 - Demin Water Storage Tank - Static Test	12	04-Jun-12	21-Jun-12



Actual Work | Critical Remaining Work | Remaining Work | Milestone

TASK filters: IH_IPAH - 6-week look ahead STWP (Construction), IPAH - 6-WEEK LOOK AHEAD_STWP (Timeframe).

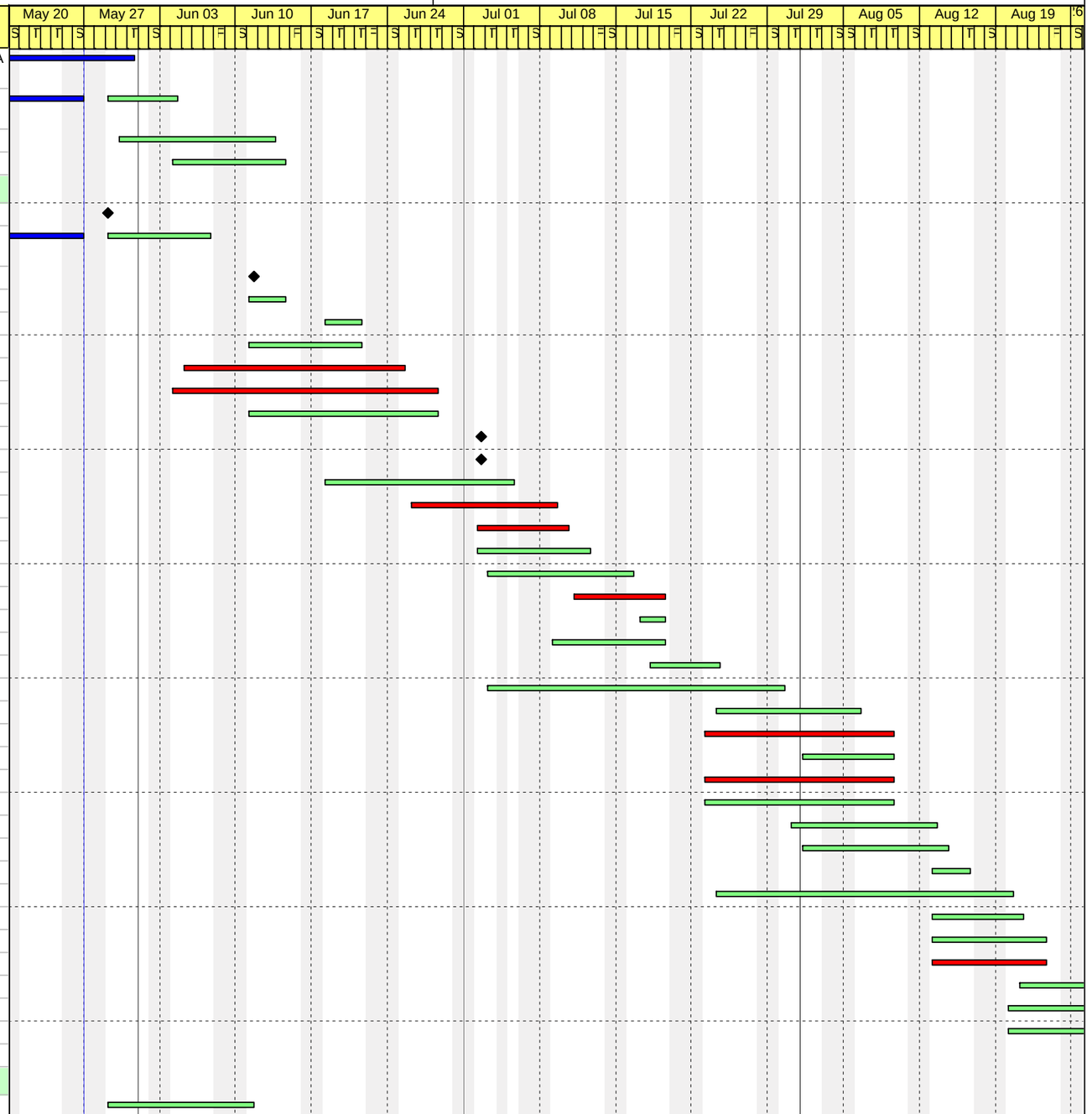
Activity ID	Activity Name	.Dur.	Start	Finish
BFMTSC3-130	U3: MTSC: CS Shop Fab Tanks - Deliver Waste Water Tanks	0		25-Jun-12*
BC71213-100	U3: MPCG Demin Water Transfer Pumps 001A & 001B - Set Equipment	4	19-Jun-12	26-Jun-12
BC70273-190	U3: MES0: Shell&Tube Exch. - Set Equipment	8	14-Jun-12	27-Jun-12
BFPY103-100	U3: PY10: Shower & Eye Wash Stations - Deliver (2)	0		27-Jun-12
BC73273-110	U3: MEAW - Dry Surface Air Cooler - Install / Dressout	18	10-May-12 A	27-Jun-12
BC21213-100	U3: MPVE - Sump Pumps 1A & 1B - Set Equipment (Tank Area/ Oily Water)	4	28-Jun-12	04-Jul-12
BC79213-130	U3: MPCG Mirror Wash Water Transfer Pumps 001A & 001B - Set Equipment	8	25-Jun-12	05-Jul-12
BC71243-120	U3: MTSC Wastewater - Set Tank	5	03-Jul-12	10-Jul-12
BC79243-105	U3: MT00 - Mirror Wash Tank - Static Test	12	25-Jun-12	12-Jul-12
BC73213-130	U3: MPCG Wastewater Recycle Pumps - Set Equipment	4	11-Jul-12	17-Jul-12
BC73273-100	U3: MEAW - Wet Surface Air Cooler - Install / Dressout	32	05-Jun-12	30-Jul-12
BC75243-100	U3: MT00 - Raw / Fire Water Tank - Erect & Trim	21	25-Jun-12	30-Jul-12
BC73243-100	U3: MPPM CC Water Chem Addition Tank & Pumps - Install Equipment	5	23-Jul-12	30-Jul-12
BC73213-100	U3: MPCG CC Water Pumps 001A & 001B - Set Equipment	6	31-Jul-12	08-Aug-12
BC71213-110	U3: MPCG Raw Water Forwarding Pumps 001A & 001B - Set Equipment	6	31-Jul-12	08-Aug-12
BC71163-100	U3: Water Treatment Area - Install Cable Tray	43	30-Apr-12 A	09-Aug-12
BC75243-105	U3: MT00 - Raw / Fire Water Tank - Static Test	12	31-Jul-12	20-Aug-12
BCPY103-112	U3: PY10 - Shower & Eye Wash - Install PW-PY-002 by SRSG Chem Skid	32	28-Jun-12	22-Aug-12
BCPY103-110	U3: PY10 - Shower & Eye Wash - Install PW-PY-004 by WSAC Chem Skid	32	31-Jul-12	25-Sep-12
BC71163-110	U3: Water Treatment Area - Install A/G Conduit	60	31-Jul-12	13-Nov-12
BCWY163-110	U3: WY - Install Terminations	52	20-Aug-12	19-Nov-12
BC71153-120	U3: Water Treatment Area - Install LB Pipe and Hangers	80	08-Aug-12	27-Dec-12
BC71153-130	U3: Water Treatment Area - Install SB Pipe and Hangers	80	15-Aug-12	08-Jan-13
BC71163-164	U3: Water Treatment Area - Cabling	90	20-Aug-12	29-Jan-13
ACC E-house Area Underground				
BC23123-310	U3: ETP2-2: 4.16 kV/480 V MCC Transformers (ACC 1-4) Foundation FREP	6	14-May-12 A	06-Jun-12
ACC E-house Area				
BC23283-310	U3: EKL3: E-House (ACC) - Install UPS Panel	2	29-May-12	30-May-12
BC23283-120	U3: ETP2-2: 4.16 kV/ 480 V MCC Transformer (ACC) (1-4) - Set Equipment	1	11-Jun-12	11-Jun-12
BC23153-030	U3: ACC Area - Install LB Pipe & Hangers	96	22-Aug-12	12-Feb-13
ACC/ Condensate Polisher Underground				
BC10111-860	U3: Construction Power Pads - TP-2E (North side of ACC) Install equipment & pull cable	0	14-May-12 A	22-May-12 A
BC10111-870	U3: Construction Power Pads - TP-2D (South side of ACC) Install equipment & pull cable	0	14-May-12 A	22-May-12 A
BC10111-880	U3: Construction Power Pads - TP-2E (North side of ACC) Terminate, Torque, Inspect, Energize	0	23-May-12 A	29-May-12 A
BC10111-890	U3: Construction Power Pads - TP-2D (South side of ACC) Terminate, Torque, Inspect, Energize	0	23-May-12 A	29-May-12 A



🟦 Actual Work	🟥 Critical Remaining Work
🟩 Remaining Work ◆	◆ Milestone

TASK filters: IH_IPAH - 6-week look ahead STWP (Construction), IPAH - 6-WEEK LOOK AHEAD_STWP (Timeframe).

Activity ID	Activity Name	.Dur.	Start	Finish
BC23113-315	U3: ACC Area - Backfill ACC to grade - Prep for Steel erection	0	02-Apr-12 A	31-May-12 A
BC23123-255	U3: Condensate Pump Foundation FREP	4	09-May-12 A	04-Jun-12
BC23123-700	U3: ACC Wash Water Pump - Foundation FREP	9	30-May-12	13-Jun-12
BC23123-120	U3: ACC Stair Foundations FREP	8	04-Jun-12	14-Jun-12
ACC/ Condensate Polisher Above Ground				
BFMWDC3-100	U3: MWDC: Condensate Polisher - Deliver	0		29-May-12*
BC23213-710	U3: MEAA: Condensate Tank - SET Sole Plates	7	10-May-12 A	07-Jun-12
BFMPGC3-100	U3: MPGC: Main Condensate Pumps - Deliver	0		11-Jun-12
BC23213-095	U3: MEAA: Condensate Tank - GROUT Sole Plates	4	11-Jun-12	14-Jun-12
BC23213-100	U3: MPGC: Condensate Tank - Set Equipment	4	18-Jun-12	21-Jun-12
BC23273-110	U3: ACC - Street 1 - Preassemble Fan Bells	8	11-Jun-12	21-Jun-12
BC23273-145	U3: ACC - Street 1 - Preassemble A - Frame & Cond. Manifold	12	05-Jun-12	25-Jun-12
BC23133-300	U3: ACC - Street 1 - Erect Steel Bents and Under Structure	16	04-Jun-12	28-Jun-12
BC23133-420	U3: ACC - Street 2 - Erect Steel Bents and Under Structure	12	11-Jun-12	28-Jun-12
BFMEAA3-125	U3: MEAA - Air Cooled Condenser - Last Delivery	0		02-Jul-12*
BFMEAA3-220	U3: MEAA - Air Cooled Condenser - Deliver Ducting	0		02-Jul-12*
BC23133-620	U3: ACC - Street 3 - Erect Steel Bents and Under Structure	12	18-Jun-12	05-Jul-12
BC23273-130	U3: ACC - Street 1 - Preassemble Motor Bridges	8	26-Jun-12	09-Jul-12
BC23273-120	U3: ACC - Street 1 - Lift & Set Fan Bells & Fan Screens	6	02-Jul-12	10-Jul-12
BC23133-100	U3: ACC - Erect South Stairs	8	02-Jul-12	12-Jul-12
BC23133-235	U3: Steam Duct from STG to ACC - Install Steel Supports	8	03-Jul-12	16-Jul-12
BC23273-140	U3: ACC - Street 1 - Install Motor Bridges	6	11-Jul-12	19-Jul-12
BC23213-700	U3: ACC Wash Water Pump - Set	3	17-Jul-12	19-Jul-12
BC23133-105	U3: ACC - Erect North Stairs	8	09-Jul-12	19-Jul-12
BC23213-120	U3: MPGC-2 Steam Duct Drain Pumps 002A & 002B - Set Equipment	4	18-Jul-12	24-Jul-12
BC05133-237	U3: Steam Duct from STG to ACC - Pre-Assemble	16	03-Jul-12	30-Jul-12
BC05133-230	U3: Steam Duct from BFP to ACC - Install Steel Supports	8	24-Jul-12	06-Aug-12
BC23273-150	U3: ACC - Street 1 - Install A - Frame & Cond. Manifold	12	23-Jul-12	09-Aug-12
BC23273-170	U3: ACC - Street 1 - Set Heat Exchanger Cores	6	01-Aug-12	09-Aug-12
BC23273-430	U3: ACC - Street 2 - Preassemble A - Frame & Cond. Manifold	12	23-Jul-12	09-Aug-12
BC23273-204	U3: ACC - Street 1 - Preassemble Siding	12	23-Jul-12	09-Aug-12
BC05133-238	U3: Steam Duct from STG to ACC - Install Ducting	8	31-Jul-12	13-Aug-12
BC23273-400	U3: ACC - Street 2 - Preassemble Fan Bells	8	01-Aug-12	14-Aug-12
BC23273-205	U3: ACC - Street 1 - Erect West Perimeter Siding	4	13-Aug-12	16-Aug-12
BC05133-232	U3: Steam Duct From BFP to ACC - Pre-assemble	16	24-Jul-12	20-Aug-12
BC23273-440	U3: ACC - Street 2 - Lift & Set Fan Bells & Fan Screens	6	13-Aug-12	21-Aug-12
BC23273-200	U3: ACC - Street 1 - Erect Steam Manifold	8	13-Aug-12	23-Aug-12
BC23273-410	U3: ACC - Street 2 - Preassemble Motor Bridges	8	13-Aug-12	23-Aug-12
bC05133-233	U3: Steam Duct From BFP to ACC - Install Ducting	4	21-Aug-12	27-Aug-12
BC23273-206	U3: ACC - Street 1 - Install South Windall Siding	12	20-Aug-12	10-Sep-12
BC23273-180	U3: ACC - Street 1 - Weldout	20	20-Aug-12	24-Sep-12
BC23273-830	U3: ACC - Misc operations & scaffolding and blade alignment	86	20-Aug-12	22-Jan-13
BFP Duct Support Area Underground				
BC10123-320	U3: Chemical Unloading - Foundation FREP	8	29-May-12	11-Jun-12



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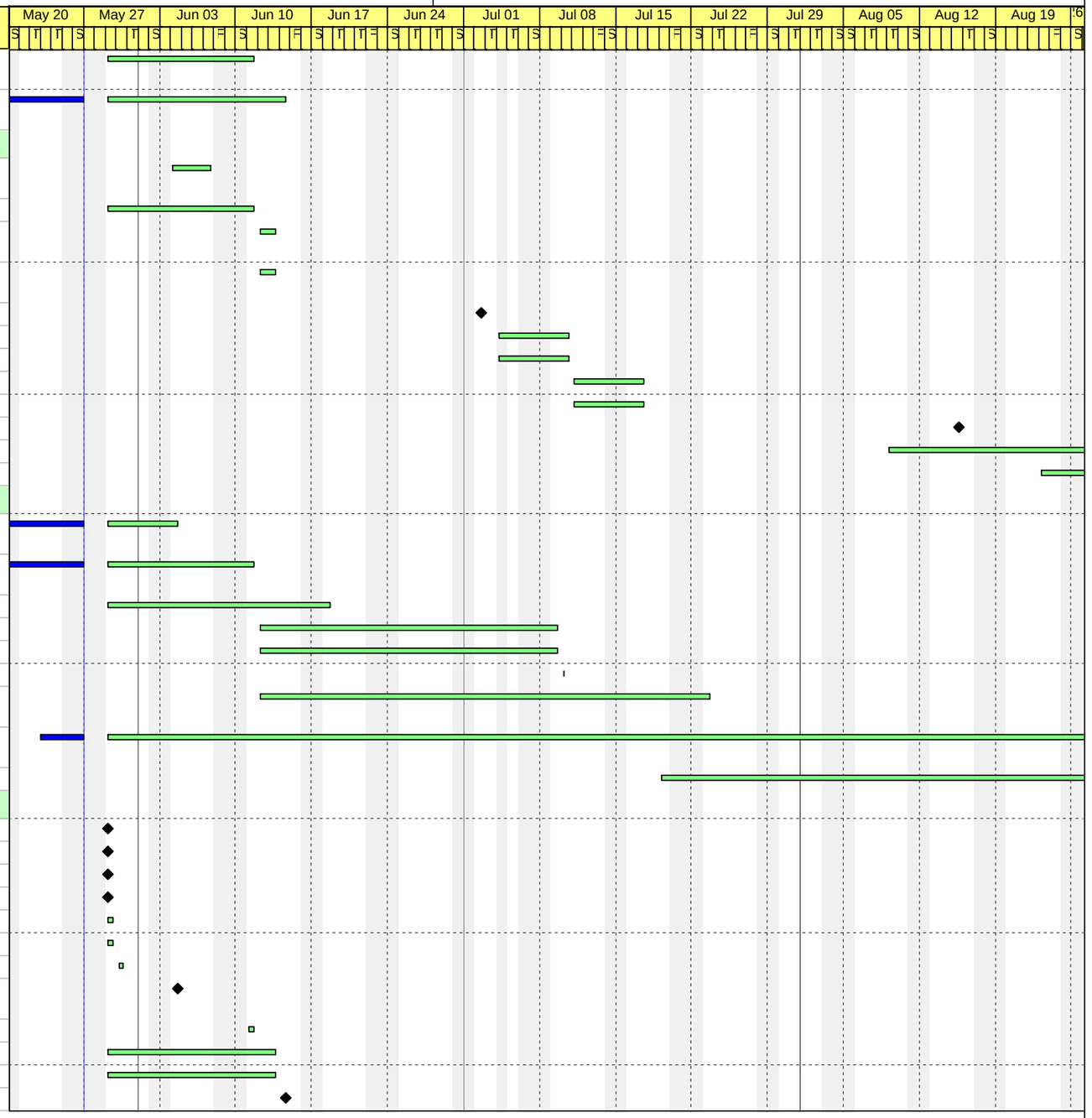
TASK filters: IH_IPAH - 6-week look ahead STWP (Construction), IPAH - 6-WEEK LOOK AHEAD_STWP (Timeframe).

Activity ID	Activity Name	Dur.	Start	Finish
BC10123-330	U3: Nitrogen Bottle Rack & Oxygen Scavenger Skids Foundation - FREP	8	29-May-12	11-Jun-12
BC10123-375	U3: Raised Equipment Pads inside IDT/EDT Sump FREP	11	24-Apr-12 A	14-Jun-12
BFP Duct Support Area Above Ground				
BC00173-110	U3: JA34 - Steam Water Anaylsis System & PH/ORP Analyzer - Install	4	04-Jun-12	07-Jun-12
BC21213-125	U3: MPVE - Sump Pumps XW-MP-6 (IDT/EDT Pit) - Set Equipment	8	29-May-12	11-Jun-12
BC10263-100	U3: MPPM: Chemical Feed System (Amine/Ammonia Feed Pump 1A & 1B) - Set Equipment	2	12-Jun-12	13-Jun-12
BC10263-120	U3: MPPM: Chemical Feed System (Oxygen Scavenger Feed Pump 1A & 1B) - Set & Anchor Skid	2	12-Jun-12	13-Jun-12
BFMTSC3-160	U3: MTSC: CS Shop Fab Tanks - Deliver Int/Ext Drain Tanks	0		02-Jul-12*
BC23243-100	U3: MTS0 Internal Drain Tank - Set Equipment	4	04-Jul-12	10-Jul-12
BC23243-120	U3: MTS0 External Drain Tank - Set Equipment	4	04-Jul-12	10-Jul-12
BC23213-130	U3: MPGC-2 Internal Drain Pumps 003A & 003B - Set Equipment	4	11-Jul-12	17-Jul-12
BC23213-140	U3: MPGC-2 External Drain Pumps 004A & 004B - Set Equipment	4	11-Jul-12	17-Jul-12
BFMXR03-100	U3: MXR0: Bottle Racks - Deliver	0		15-Aug-12*
BC05153-240	U3: Boiler Feed Pump Area - Install LB Pipe & Hangers	80	09-Aug-12	02-Jan-13
BC05153-250	U3: Boiler Feed Pump Area - Install SB Pipe & Hangers	80	23-Aug-12	16-Jan-13
U3 Solar Field				
BCSF111-190	U3: EAA1-3: Panel Boards -Excavate for Electricial components for PDU Foundations	4	07-May-12 A	04-Jun-12
BCSF111-170	U3: EAA1-3: Panel Boards - Install Embeded Conduit for PDU Foundations	8	17-May-12 A	11-Jun-12
BCSF113-010	U3: EAA1-3: Panel Boards - FREP PDU Foundations 1, 2, 9	12	29-May-12*	18-Jun-12
BCSF113-10	U3: EAA1-3: Panel Boards - FREP PDU Foundations 3, 4, 5	16	12-Jun-12*	09-Jul-12
BCSF113-20	U3: EAA1-3: Panel Boards - FREP PDU Foundations 6, 7, 8, 10	16	12-Jun-12*	09-Jul-12
BCSF173-010	U3: EAA1-3: Panel Boards - Install PDU in Solar Field	0	10-Jul-12*	10-Jul-12
BCSF163-020	U3: EAA1-3: Panel Boards - Install Power Distribution in trenches for PDU to CPDU	24	12-Jun-12	23-Jul-12
BC87113-300	U3: Begin Mowing Solar Field down to 12" ~ 18"	63	23-May-12 A	17-Sep-12
BC87113-200	U3 - Solar Field: Pylon Insertion 0% to 60%	88	19-Jul-12	20-Dec-12
No IPAH - AREA / MDL VOL				
BFJV143-260	U3: JV14: Safety / Relief Valve - Deliver	0		29-May-12
BNJT013-160	U3: JT01: RTD Assembly - Deliver Elements to Jobsite	0		29-May-12
BCPS023-220	U3: PS02: Piping LB 1st Delivery - SD	0		29-May-12*
BCPS023-890	U3: PS02: Piping - SB Pipe - 1st Delivery - WY	0		29-May-12*
BNPV043-130	U3: PV04-2: Soft Seated Ball Valves - Deliver	1	29-May-12	29-May-12*
BNPY053-140	U3: PY05: Expansion Joints - Shipping / Delivery to Site	1	29-May-12	29-May-12*
BFPH063-100	U3: PH06: Pipe Supports - Deliver to Site	1	30-May-12	30-May-12
BNJP013-160	U3: JP01: Pressure & Differential Switches / Gauges & Bimetallic Thermometers - Deliver	0		04-Jun-12*
BNPV033-120	U3: PV03: Metal Seated Ball Valves - Deliver	1	11-Jun-12	11-Jun-12
BFPS023-AB1	U3: PS02: Piping - Critical Pipe - Fab & 1st Del - AB	10	29-May-12	13-Jun-12
BFPS023-AE1	U3: PS02: Piping - Critical Pipe - Fab & 1st Del - AE	10	29-May-12	13-Jun-12
BNEWE13-100	U3: EWE1: Power & Control Cable - Deliver	0		14-Jun-12*



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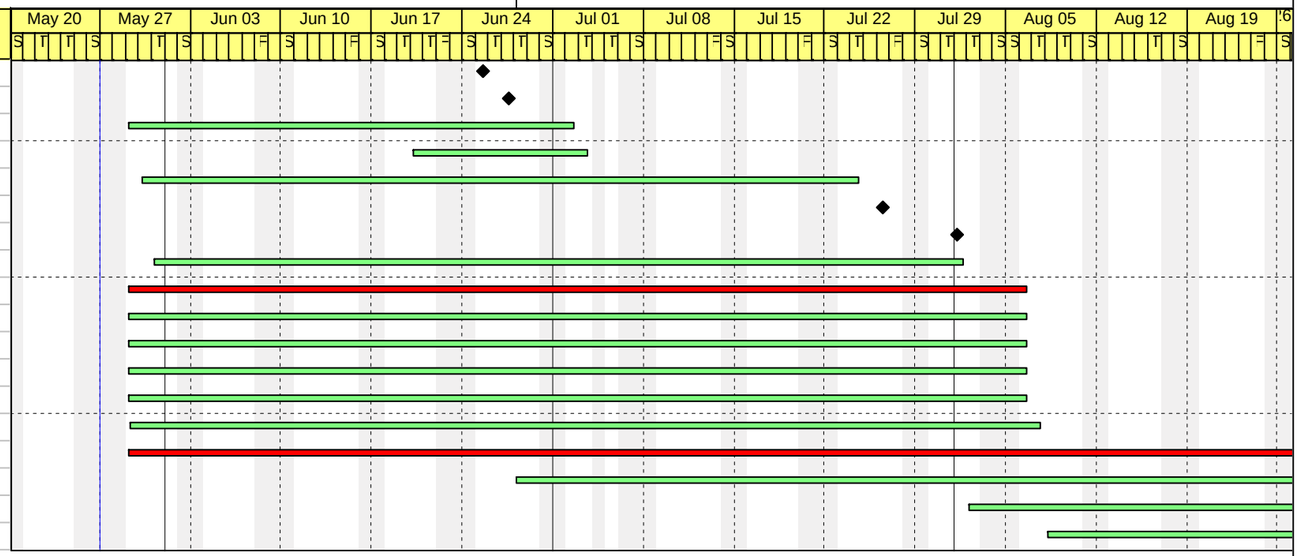
TASK filters: IH_IPAH - 6-week look ahead STWP (Construction), IPAH - 6-WEEK LOOK AHEAD_STWP (Timeframe).

Activity ID	Activity Name	.Dur.	Start	Finish
BFJXXE3-160	U3: JXXE: Instrument Enclosures - Deliver	0		25-Jun-12
BNEH003-150	U3: EH00-1: BOP Heat Trace - Deliver	0		27-Jun-12
BCPA163-110	U3: PA - Install Terminations	20	29-May-12	02-Jul-12
BFPV013-130	U3: PV01: SB Gate, Globe & Check Valves - Deliver	8	20-Jun-12	03-Jul-12
BFPS023-ZZ3	U3: PS02: Piping - SB Pipe - Last Delivery	32	30-May-12	24-Jul-12
BFJV133-170	U3: JV13:Severe Control Valves - Deliver	0		26-Jul-12
BNEWG13-100	U3: EWG1: MV Power Cable - Deliver	0		01-Aug-12*
BCPF163-110	U3: PF - Install Terminations (for Energization)	36	31-May-12	01-Aug-12
BFPS023-SA1	U3: PS02: Piping - Critical Pipe - Fab & 1st Del - SA	40	29-May-12	06-Aug-12
BFPS023-WY2	U3: PS02: Piping - Non-Ciritical LB Pipe - Fab & 1st Del - WY	40	29-May-12	06-Aug-12
BFPS023-FG2	U3: PS02: Piping - Non-Ciritical LB Pipe - Fab & 1st Del - FG	40	29-May-12	06-Aug-12
BFPS023-AE3	U3: PS02: Piping - SB Pipe - Fab & 1st Del - AE Critical	40	29-May-12	06-Aug-12
BFPS023-PF3	U3: PS02: Piping - SB Pipe - Fab & 1st Del - PF	40	29-May-12	06-Aug-12
BFXXEP3-020	U3:Fabricate/ Del SRSG Tower Spools [all systems]	60	29-May-12	07-Aug-12
BFPS023-AF1	U3: PS02: Piping - Critical Pipe - Fab & 1st Del - AF	55	29-May-12	30-Aug-12
BC00123-120	U3: Install Miscellaneous Platforms & Grating	40	28-Jun-12	06-Sep-12
BCEH163-110	U3: EH - Install Terminations	64	02-Aug-12	22-Nov-12
BCJN163-110	U3: JN - Install Terminations	64	08-Aug-12	28-Nov-12



🟦 Actual Work
🟥 Critical Remaining Work
🟩 Remaining Work ◆
◆ Milestone

TASK filters: IH_IPAH - 6-week look ahead STWP (Construction), IPAH - 6-WEEK LOOK AHEAD_STWP (Timeframe).

Exhibit 3
Ivanpah SEGS Compliance Matrix
Conditions of Certification
COMP-5 & COMP-6

Updated May 31, 2012

Ivanpah SEGS Compliance Matrix 5/18/2012

Technical Area	COC	Description	Verification	Pre-Con	Con	Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment
Air Quality Boilers	AQ-01	Operation of this equipment must be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below	Any non-compliant operations shall be listed in the **Annual Compliance Report (COMPLIANCE-7)**.			X	N/A	N/A			
Air Quality Boilers	AQ-02	The owner/operator shall operate this equipment in strict accord with the recommendations of the manufacturer or supplier and/or sound engineering principles and consistent with all information submitted with the application for this permit, which produce the minimum emission of air contaminants.	As part of the **Annual Compliance Report (COMPLIANCE-7**), the project owner shall include information on the date, time, and duration of any violation of this permit condition.			X	N/A	N/A			
Air Quality Boilers	AQ-03	This boiler shall use only natural gas as fuel and shall be equipped with a meter measuring fuel consumption in standard cubic feet.	As part of the **Annual Compliance Report (COMPLIANCE-7)**, the project owner shall include proofs that only pipeline quality, or Public Utility Commission regulated natural gas are used for the boilers.			X	2014	Not yet started			
Air Quality Boilers	AQ-04	The owner owner/operator shall maintain a current, on-site (at a central location if necessary) log for this equipment for five (5) years, which shall be provided to District, state or federal personnel upon request. This log shall include calendar year fuel use for this equipment in standard cubic feet, or BTU's, and daily hours of operation.	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or Energy Commission staff.			X	N/A	N/A			
Air Quality Boilers	AQ-05	Not later than 180 days after initial startup, the operator shall perform an initial compliance test on this boiler *(Units 1, 2 and 3)* in accordance with the District Compliance Test Procedural Manual. This test shall demonstrate that this equipment does not exceed the following emission maximums: Pollutant ppmvd Lb/MMBtu Lb/hr *NOx 9.0 0.011 2.5 (per USEPA Methods 19 and 20) SOx 1.7 0.003 0.6 *CO 25.0 0.018 4.2 (per USEPA Methods 10) VOC 12.6 0.0054 1.2 (per USEPA Methods 25A and 18) PM10 n/a 0.007 1.7 (per Methods 5 & 202 or CARB Method 5) *corrected to 3% oxygen, on a dry basis, averaged over one hour Opacity shall be conducted per Method 9; Flue gas flow rate shall be quantified in dscf per USEPA Methods 1 through 5.	The project owner shall notify the District and the CPM within fifteen (15) working days before the execution of the compliance test required in this condition. The test results shall be submitted to the District and to the CPM within 60 days of the date of the tests.			X	2013	Air Amendment currently under review by CEC and MDAQMD	Air Amendment filed with the CEC and MDAQMD on 3/1/2012	Request for Additional Information recvd from CEC	
Air Quality Boilers	AQ-06	The owner/operator shall perform annual compliance tests in accordance with the District Compliance Test Procedural Manual. Prior to performing these annual tests, the boiler shall be tuned in accord with the manufacturer's specified tune-up procedure, by a qualified technician. Subsequent tests shall demonstrate that this equipment does not exceed the following emission maximums: Pollutant ppmvd Lb/MMBtu Lb/hr *NOx 9.0 0.011 2.5 (per USEPA Methods 19 and 20) SOx 1.7 0.003 0.6 *CO 25.0 0.018 4.2 (per USEPA Methods 10) VOC 12.6 0.0054 1.2 (per USEPA Methods 25A and 18) PM10 n/a 0.007 1.7 (per Methods 5 & 202 or CARB Method 5) *corrected to 3% oxygen, on a dry basis, averaged over one hour Opacity shall be conducted per Method 9; Flue gas flow rate shall be quantified in dscf per USEPA Methods	The project owner shall notify the District and the CPM within fifteen (15) working days before the execution of the compliance test required in this condition. The test results shall be submitted to the District and to the CPM within 60 days of the date of the tests.			X	Annually - beginning in 2014	Air Amendment currently under review by CEC and MDAQMD	Air Amendment filed with the CEC and MDAQMD on 3/1/2012		
Air Quality Boilers	AQ-07	This boiler *(Boilers 1, 2, and 3)* shall be operated in compliance with all applicable requirements of 40 CFR 60 Subpart Db - Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units (NSPS Db).	The project owner shall complete and submit to the CPM a compliance plan that provides a list of the 40 CFR 60 Subpart Db plans, tests, and recordkeeping requirements and their compliance schedule dates as applicable for the ISEGS Boilers 1, 2 and 3 at least 30 days prior to first fire of the boilers or earlier as			X	2012	Not yet started			
Air Quality Boilers	AQ-08	Records of fuel supplier certifications of fuel sulfur content shall be maintained to demonstrate compliance with the sulfur dioxide and particulate matter emission limits.	Complying with Condition of Certification **AQ-3** shall be used to demonstrate compliance with this condition.			X	N/A	N/A			
Air Quality Boilers	AQ-09	The owner/operator shall continuously monitor and record fuel flow rate and flue gas oxygen level.	At least 120 days prior to construction of the boiler stacks, the project owner shall provide the District for approval, and the CPM for review, a detailed drawing and a plan on how the measurements and recordings, required by this condition, will be		X		8/28/2011	Submitted	8/28/2011		
Air Quality Boilers	AQ-10	In lieu of installing CEMs to monitor NOx emissions, and pursuant to 40 CFR 60 Subpart Db, Section 60.49b(c), the owner/operator shall monitor boiler operating conditions and estimate NOx emission rates per a District approved emissions estimation plan. The plan shall be based on the initial source tests as required by condition AQ-5, and annually pursuant to condition AQ-6. The plan shall include test results, operating parameters, analysis, conclusions and proposed NOx estimating relationship consistent with established emission chemistry and operational effects.	This initial plan shall be submitted to the District for approval, and the CPM for review, within 360 days of the initial startup. Any proposed changes to a District-approved plan shall include subsequent test results, operating parameters, analysis, and any other pertinent information to support the proposed changes. The District must approve any emissions estimation plan or revision for estimated NOx emissions to be considered valid.			X	Before August 2013	Not yet started			
Air Quality Boilers	AQ-11	The owner/operator shall comply with all applicable recordkeeping and reporting requirements of NSPS Db.	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.		X	X	N/A	N/A			
Air Quality Boilers	AQ-12	This boiler shall not burn more than 0.9 MMSCF of natural gas in any single day, and no more than 328 MMSCF in any calendar year. a. These limits shall not apply during the facility commissioning period. The commissioning period shall begin the first time fuel is fired in the boiler. The commissioning period shall end when the facility achieves commercial operation, but no later than 180 days after first fire.	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.		X	X	Air Amendment currently under review by CEC and MDAQMD	Air Amendment filed with the CEC and MDAQMD on 3/1/2012			
Air Quality Fire Pumps	AQ-13	This system shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit. *(Note reference to Model 2010 Tier III engine)*	During site inspection, the project owner shall make all records and reports available to the District, ARB, EPA or CEC staff.		X	X	N/A	N/A			
Air Quality Fire Pumps	AQ-14	These engines may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engines are located or expects to order such outages at a particular time, the engines are located in the area subject to the rotating outage, the engines are operated no more than 30 minutes prior to the forecasted outage, and the engines are shut down immediately after the utility advises that the outage is no longer imminent or	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff		X	X	N/A	N/A			
Air Quality Fire Pumps	AQ-15	These engines may operate in response to fire suppression requirements and needs.	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.		X	X	N/A	N/A			
Air Quality Fire Pumps	AQ-16	These units shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15ppm) on a weight per weight basis per CARB Diesel or equivalent requirements.	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.		X	X	N/A	N/A			

Air Quality Fire Pumps	AQ-17	A non-resettable four-digit (9,999) hour timer shall be installed and maintained on these units to indicate elapsed engine operating time.	At least thirty (30) days prior to the installation of the engine, the project owner shall provide the District and the CPM the specification of the hour timer.		X	X	6/15/2011	Submitted	6/6/2011		
Air Quality Fire Pumps	AQ-18	These units shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 50 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 50 hour per year limit.	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.		X	X	N/A	N/A			
Air Quality Fire Pumps	AQ-19	The hour limit of AQ-18 can be exceeded when the emergency fire pump assemblies are driven directly by a stationary diesel fueled CI engine when operated per and in accord with the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water- Based Fire Protection Systems," 2006 edition or the most current edition approved by the CARB Executive Officer. {Title 17 CCR 93115(c)16}	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.		X	X	N/A	N/A			
Air Quality Fire Pumps	AQ-20	The owner/operator shall maintain a operations log for these units current and on-site, either at the engine location or at a on-site location, for a minimum of two (2) years, and for another year where it can be made available to the District staff within 5 working days from the District's request, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below: a. Date of each use and duration of each use (in hours); b. Reason for use (testing & maintenance, emergency, required emission testing); c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and, d. Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log). e. Documentation of maintenance as per manufacturer's recommendations and good maintenance practices	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.		X	X	N/A	N/A			
Air Quality Fire Pumps	AQ-21	These fire protection units are subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR 93115). In the event of conflict between these conditions and the ATCM, the more stringent requirements shall govern.	Not necessary			X	N/A	N/A			
Air Quality Fire Pumps	AQ-22	This unit (emergency fire pumps) is subject to the requirements of the Federal New Source Performance Standards (NSPS) for Stationary Compression Ignition Internal Combustion Engines (40 CFR Part 60 Subpart IIII).	The project owner shall submit to the District and the CPM the engine specifications at least 30 days prior to purchasing the engines for review and approval demonstrating that the engines meet NSPS emission limit requirements at the time		X		2011	Submitted	6/6/2011		
Air Quality Emergency Generators	AQ-23	Engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect. *(Refers to*	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.		X	X	N/A	N/A			
Air Quality Emergency Generators	AQ-24	This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15ppm) on a weight per weight basis per CARB Diesel or equivalent requirements.	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.		X	X	N/A	N/A			
Air Quality Emergency Generators	AQ-25	This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.		X	X	N/A	N/A			
Air Quality Emergency Generators	AQ-26	A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.	At least thirty (30) days prior to the installation of the engine, the project owner shall provide the District and the CPM the specification of the hour timer.		X		9/30/2011	Submitted	Submitted 9.26.2011		
Air Quality Emergency Generators	AQ-27	This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 50 hours per year, and no more than 0.5 hours per day for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 50 hour	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.		X	X	N/A	N/A			
Air Quality Emergency Generators	AQ-28	The owner/operator shall maintain an operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.		X	X	N/A	N/A			
Air Quality Emergency Generators	AQ-29	This genset is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR 93115). In the event of conflict between these conditions and the ATCM, the more stringent requirements shall govern.	Not necessary.			X	N/A	N/A			
Air Quality Emergency Generators	AQ-30	This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier.	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.		X	X	N/A	N/A			
Air Quality Emergency Generators	AQ-31	This unit (emergency generator) is subject to the requirements of the Federal New Source Performance Standards (NSPS) for Stationary Compression Ignition Internal Combustion Engines (40 CFR Part 60 Subpart IIII).	The project owner shall submit to the District and the CPM the engine specifications at least 30 days prior to purchasing the engines for review and approval demonstrating that the engines meet NSPS emission limit requirements at the time of engine purchase.		X		2011	Submitted	6/6/2011		
Air Quality General	AQSC-01	Air Quality Construction Mitigation Manager (AQCMM): The project owner shall designate and retain an on-site AQCMM who shall be responsible for directing and documenting compliance with Conditions of Certification AQSC3, AQ-SC4 and AQ-SC5 for the entire project site and linear facility construction. The on-site AQCMM may delegate responsibilities to one or more AQCMM Delegates. The AQCMM and AQCMM Delegates shall have full access to all areas of construction on the project site and linear facilities, and shall have the authority to stop any or all construction activities as warranted by applicable construction mitigation conditions. The AQCMM and AQCMM Delegates may have other responsibilities in addition to those described in this condition. The AQCMM shall not be terminated without written consent of the Compliance Project Manager (CPM).	At least 60 days prior to the start of ground disturbance, the project owner shall submit to the BLM's Authorized Officer and CPM for approval, the name, resume, qualifications, and contact information for the on-site AQCMM and all AQCMM Delegates.	X			7/12/2010	Approved	7/16/2010;	10/7/2010	
Air Quality General	AQSC-02	Air Quality Construction Mitigation Plan (AQCMP): The project owner shall provide an AQCMP, for approval, which details the steps that will be taken and the reporting requirements necessary to ensure compliance with Conditions of Certification AQ-SC3, AQ-SC4, and AQ-SC5.	At least 60 days prior to the start of any ground disturbance, the project owner shall submit the AQCMP to the BLM's Authorized Officer and CPM for approval. The AQCMP shall include effectiveness and environmental data for the proposed soil stabilizer. The BLM's Authorized Officer or CPM will notify the project owner of any necessary modifications to the plan within 30 days from the date of receipt.	X			6/21/2010	Approved	7/9/2010; 12/20/2010 (amend. 1); 3/11/2011 (amend. 2)	10/7/2010	12/20/2010 AMEND1. 3/11/11 AMEND 2

Air Quality General	AQSC-03	Construction Fugitive Dust Control: The AQCMM shall submit documentation to the BLM's Authorized Officer and CPM in each Monthly Compliance Report that demonstrates compliance with the Air Quality Construction Mitigation Plan (AQCMP)-mitigation measures for the purposes of preventing all fugitive dust plumes from leaving the project. Any deviation from the AQCMP mitigation measures shall require prior BLM Authorized Officer and CPM notification and approval.	The AQCMM shall provide the BLM's Authorized Officer and the CPM a **Monthly Compliance Report (COMPLIANCE-6)** to include the following to demonstrate control of fugitive dust emissions: A. a summary of all actions taken to maintain compliance with this condition; B. copies of any complaints filed with the District in relation to project construction; and C. any other documentation deemed necessary by the BLM Authorized Officer, CPM, and AQCMM to verify compliance with this condition. Such information may be provided via electronic format or disk at the project owner's discretion. The following fugitive dust mitigation measures shall be included in the Air Quality Construction Mitigation Plan (AQCMP) required by **AQ-SC2**. a) The main access roads through the facility to the power block areas will be either paved or stabilized using soil binders, or equivalent methods, to provide a stabilized surface that is similar for the purposes of dust control to paving, that may or may not include a crushed rock (gravel or similar material with fines removed) top layer, prior to initiating construction in the main power block area, and delivery areas for operations materials (chemicals, replacement parts, etc.) will be paved prior to taking initial deliveries. b) All unpaved construction roads and unpaved operational site roads, as they are being constructed, shall be stabilized with a non-toxic soil stabilizer or soil weighting agent that can be determined to be both as efficient or more efficient for fugitive dust control as ARB approved soil stabilizers, and shall not increase any other environmental impacts including loss of vegetation. All other disturbed areas in the project and linear construction sites shall be watered as frequently as necessary during grading; and after active construction activities shall be stabilized with a non-toxic soil stabilizer or soil weighting agent, or alternative approved soil stabilizing methods, in order to comply with the dust mitigation objectives of Condition of Certification **AQ-SC4**. The		X		Monthly	Ongoing	N/A	N/A	
Air Quality General	AQSC-03 (continued)		j) All paved roads within the construction site shall be swept daily or as needed (or less during periods of precipitation) on days when construction activity occurs to prevent the accumulation of dirt and debris. k) At least the first 500 feet of any paved public roadway exiting the construction site or exiting other unpaved roads en route from the construction site or construction staging areas shall be swept as needed (or less during periods of precipitation) on days when construction activity occurs or on any other day when dirt or runoff resulting from the construction site activities is		X		Monthly	Ongoing	N/A	N/A	
Air Quality General	AQSC-04	Dust Plume Response Requirement: The AQCMM or an AQCMM Delegate shall monitor all construction activities for visible dust plumes. Observations of visible dust plumes that have the potential to be transported (A) off the project site and within 400 feet upwind of any regularly occupied structures not owned by the project owner or (B) 200 feet beyond the centerline of the construction of linear facilities indicate that existing mitigation measures are not resulting in	The AQCMM shall provide the BLM's Authorized Officer and the CPM a **Monthly Compliance Report (COMPLIANCE-6)** to include: A. a summary of all actions taken to maintain compliance with this condition; B. copies of any complaints filed with the District in relation to project construction; and		X		Monthly	Ongoing	N/A	N/A	
Air Quality General	AQSC-04 (continued)	The AQCMM or Delegate shall implement the following procedures for additional mitigation measures in the event that such visible dust plumes are observed: Step 1: The AQCMM or Delegate shall direct more intensive application of the existing mitigation methods within 15 minutes of making such a determination. Step 2: The AQCMM or Delegate shall direct implementation of additional methods of dust suppression if Step 1, specified above, fails to result in adequate mitigation within 30 minutes of the original determination. Step 3: The AQCMM or Delegate shall direct a temporary shutdown of the activity causing the emissions if Step 2, specified above, fails to result in effective mitigation within one hour of the original determination. The activity shall not restart until the AQCMM or Delegate is satisfied that appropriate additional mitigation or other site conditions have changed so that visual dust plumes will not result upon restarting the shutdown source. The owner/operator may appeal to the CPM or BLM Authorized Officer any directive from the AQCMM or Delegate to shut down an activity, if the shutdown shall go into effect within one hour of the original	The AQCMM shall provide the BLM's Authorized Officer and the CPM a **Monthly Compliance Report (COMPLIANCE-6)** to include: A. a summary of all actions taken to maintain compliance with this condition; B. copies of any complaints filed with the District in relation to project construction; and C. any other documentation deemed necessary by the CPM and AQCMM to verify compliance with this condition. Such information may be provided via electronic format or disk at the project owner's discretion		X		Monthly	Ongoing	N/A	N/A	
Air Quality General	AQSC-05	Diesel-Fueled Engine Control: The AQCMM shall submit to the CPM in the Monthly Compliance Report (MCR), a construction mitigation report that demonstrates compliance with the Air Quality Construction Mitigation Plan (AQCMP) mitigation measures for purposes of controlling diesel construction related emissions. Any deviation from the AQCMP mitigation measures shall require prior CPM notification and approval.	The AQCMM shall include in the **Monthly Compliance Report (COMPLIANCE-6**) the following to demonstrate control of diesel construction-rleated emissions: A. A summary of all actions taken to maintain compliance with this condition; B. A list of all heavy equipment used on site during that month, including the owner of that equipment and a letter from each owner indicating that equipment has been properly maintained; and C. Any other documentation deemed necessary by the CPM, and the AQCMM to verify compliance with this condition. Such information may be provided via electronic format or disk at the project owner's discretion. The following off-road diesel construction equipment mitigation measures shall be included in the Air Quality Construction Mitigation Plan (AQCMP) required by AQ-SC2. a. All diesel-fueled engines used in the construction of the facility shall have clearly visible tags issued by the on-site AQCMM showing that the engine meets the conditions set forth herein. b. All construction diesel engines with a rating of 50 hp or higher shall meet, at a minimum, the Tier 3 California Emission Standards for Off-Road Compression-Ignition Engines, as specified in California Code of Regulations, Title 13, section 2423(b)(1), unless a good faith effort to the satisfaction of the CPM that is certified by the on-site AQCMM demonstrates that such engine is not available for a particular item of Ivanpah Solar Electric Generating System Page 9 07-AFC-5 equipment. In the event that a Tier 3 engine is not available for any offroad equipment larger than 100 hp, that equipment shall be equipped with a Tier 2 engine, or an engine that is equipped with retrofit controls to reduce exhaust emissions of nitrogen oxides (NOx) and diesel particulate matter (DPM) to no more than		X		Monthly	Ongoing	N/A	N/A	
Air Quality General	AQSC-06	The project owner, when obtaining dedicated on or off-road vehicles for mirror washing activities and other facility maintenance activities, shall only obtain new model year vehicles that meet California on-road vehicle emission standards or appropriate U.S.EPA/California off-road engine emission standards for the model year when obtained.	At least 60 days prior to the start of commercial operation, the project owner shall submit to the CPM a copy of the plan that identifies the size and type of the on-site vehicle and equipment fleet and the vehicle and equipment purchase orders and contracts and/or purchase schedule. The plan shall be updated every other year and submitted in the Annual Compliance Report **(COMPLIANCE-7)**.			X	Q3 2013	Not yet started			

Air Quality General	AQSC-07	The project owner shall provide a site operations dust control plan, including all applicable fugitive dust control measures identified in the verification of **AQ-SC3** that would be applicable to reducing fugitive dust from ongoing operations; that: A. describes the active operations and wind erosion control techniques such as windbreaks and chemical dust suppressants, including their ongoing maintenance procedures, that shall be used on areas that could be disturbed by vehicles or wind anywhere within the project boundaries; and B. identifies the location of signs throughout the facility that will limit traveling on unpaved portion of roadways to solar equipment maintenance vehicles only. In addition, vehicle speed shall be limited to no more than 10 miles per hour on these unpaved roadways, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions. The site Operations Fugitive Dust Control Plan shall include the use of durable non-toxic soil stabilizers on all regularly used unpaved roads and disturbed off-road areas, or alternative methods for stabilizing disturbed off-road areas, within the project boundaries, and shall include the inspection and maintenance procedures that will be undertaken to ensure that the unpaved roads remain stabilized. The soil stabilizer used shall be a non-toxic soil stabilizer or soil weighting agent that can be determined to be both as efficient or more efficient for fugitive dust control as ARB approved soil stabilizers, and shall not increase any other	At least 60 days prior to start of commercial operation, the project owner shall submit to the BLM's Authorized Officer and the CPM for review and approval a copy of the site Operations Dust Control plan that identifies the dust and erosion control procedures, including effectiveness and environmental data for the proposed soil stabilizer, that will be used during operation of the project and that identifies all locations of the speed limit signs. Within 60 days after commercial operation, the project owner shall provide to the BLM's Authorized Officer and the CPM a report identifying the locations of all speed limit signs, and a copy of the project employee and contractor training manual that clearly identifies that project employees and contractors are required to comply with the dust and erosion control procedures and on-site speed limits.			X	Q3 2013	Not yet started			
Air Quality General	AQSC-08	The project owner shall provide the CPM copies of all District issued Authority-to-Construct (ATC) and Permit-to-Operate (PTO) for the facility. The project owner shall submit to the CPM for review and approval any modification proposed by the project owner to any project air permit.	The project owner shall submit to the CPM for review and approval any modification proposed by the project owner to any project air permit. The project owner shall submit to the CPM any modification to any permit proposed by the District or U.S. Environmental Protection Agency (U.S. EPA), and any revised permit issued by the District or U.S. EPA, for the project. The project owner shall submit any ATC, PTO, and proposed air permit modification to the CPM within 5 working days of its submittal either by 1) the project owner to an agency, or 2) receipt of proposed			X	TBD	As needed			
Air Quality General	AQSC-09	The emergency generator and fire pump engines procured for this project will meet or exceed the NSPS Subpart IIII emission standards for the model year that corresponds to their date of purchase.	The project owner shall submit the emergency engine specifications to the CPM prior to engine installation.		X		2011	Submitted	Submitted 6/6/2011		
Air Quality General	AQSC-10	The ISEGS 1, ISEGS 2, and ISEGS 3 boilers shall not exceed a total annual natural gas fuel heat input that is more than 5 percent of the total annual heat input from the sun for ISEGS1, ISEGS2, and ISEGS 3, respectively.	Annual natural gas fuel heat input data and annual solar heat input data for the ISEGS 1, ISEGS 2, and ISEGS 3 units showing compliance with this condition shall be provided in the **Annual Compliance Report (COMPLIANCE-7)**. The **Annual Compliance Report** shall include information separately for ISEGS 1, ISEGS 2, and ISEGS 3. The initial Compliance Report shall include documentation of the methodology used to verify compliance with this condition. The documentation shall			X	2014	Not yet started			
Biological Resources	BIO-01	The project owner shall assign at least one Designated Biologist to the project. The project owner shall submit the resume of the proposed Designated Biologist(s), with at least three references and contact information, to the Energy Commission Compliance Project Manager (CPM) and BLM's Authorized Officer for approval in consultation with CDFG and USFWS. The Designated Biologist must meet the following minimum qualifications: 1. Bachelor's degree in biological sciences, zoology, botany, ecology, or a closely related field; 2. Three years of experience in field biology or current certification of a nationally recognized biological society, such as The Ecological Society of America or The Wildlife Society; 3. Have at least one year of field experience with biological resources found in or near the project area; 4. Meet the current USFWS Authorized Biologist qualifications criteria (USFWS 2008), demonstrate familiarity with protocols and guidelines for the desert tortoise, and be approved by the USFWS; and 5. Possess a California ESA Memorandum of Understanding pursuant to Section 2081(a) for desert tortoise. In lieu of the above requirements, the resume shall demonstrate to the satisfaction of BLM's	The project owner shall submit the specified information at least 90 days prior to the start of any project-related site disturbance activities. No site or related facility activities shall commence until an approved Designated Biologist is available to be on site. If a Designated Biologist needs to be replaced, the specified information of the proposed replacement must be submitted to BLM's Authorized Officer and the CPM at least 10 working days prior to the termination or release of the preceding Designated Biologist. In an emergency, the project owner shall immediately notify the BLM Authorized Officer and the CPM to discuss the qualifications and approval of a short term replacement while a permanent Designated Biologist is proposed to BLM's Authorized Officer and the CPM and for consideration. Designated Biologists shall complete a USFWS Qualifications Form (USFWS 2008) (www.fws.gov/ventura/speciesinfo/protocols_guidelines) and submit it to the USFWS, BLM's Authorized Officer and the CPM within 60 days prior to ground breaking for review and final approval.	X			6/11/2010	Approved	6/11/2010	9/30/2010	REVISION-4 NEW DESIGNATED BIOLOGISTS APPROVED 3/14/12 (TG Jackson) 4/23/2012(A. Scheib,B.Weiss,K.Herbinson)
Biological Resources	BIO-02	BIO-2 The project owner shall ensure that the Designated Biologist performs the following during any site (or related facilities) mobilization, ground disturbance, grading, construction, operation, and closure activities. The Designated Biologist may be assisted by the approved Biological Monitor(s) but remains the contact for the project owner, BLM's Authorized Officer and the CPM. The Designated Biologist Duties shall include the following: 1. Advise the project owner's Construction and Operation Managers on the implementation of the biological resources conditions of certification; 2. Consult on the preparation of the Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP) to be submitted by the project owner; 3. Be available to supervise, conduct and coordinate mitigation, monitoring, and other biological resources compliance efforts, particularly in areas requiring avoidance or containing sensitive biological resources, such as special-status species or their habitat; 4. Clearly mark sensitive biological resource areas and inspect these areas at appropriate intervals for compliance with regulatory terms and conditions;	The Designated Biologist shall submit in the **Monthly Compliance Report** to BLM's Authorized Officer and the CPM and copies of all written reports and summaries that document biological resources compliance activities. If actions may affect biological resources during operation a Designated Biologist shall be available for monitoring and reporting. During project operation, the Designated Biologist shall submit record summaries in the **Annual Compliance Report** unless his/her duties cease, as approved by BLM's Authorized Officer and the CPM.		X	X	Monthly	Ongoing			
Biological Resources	BIO-02 (Continued)	5. Inspect active construction areas where animals may have become trapped prior to construction commencing each day. At the end of the day, inspect for the installation of structures that prevent entrapment or allow escape during periods of construction inactivity. Periodically inspect areas with high vehicle activity (e.g., parking lots) for animals in harm's way; 6. Notify the project owner and BLM's Authorized Officer and the CPM of any non-compliance with any biological resources condition of certification; 7. Respond directly to inquiries of BLM's Authorized Officer and the CPM regarding biological resource issues; 8. Maintain written records of the tasks specified above and those include in the BRMIMP. Summaries of these records shall be submitted in the Monthly Compliance Report and the Annual Compliance Report; 9. Train the Biological Monitors as appropriate, and ensure their familiarity with the BRMIMP, Worker Environmental Awareness Program (WEAP) training, and USFWS guidelines on desert tortoise surveys and handling procedures <www.fws.gov/ventura/speciesinfo/protocols_guidelines>; and 10. Maintain the ability to be in regular, direct communication with representatives of CDFG, USFWS, BLM's	The Designated Biologist shall submit in the **Monthly Compliance Report** to BLM's Authorized Officer and the CPM and copies of all written reports and summaries that document biological resources compliance activities. If actions may affect biological resources during operation a Designated Biologist shall be available for monitoring and reporting. During project operation, the Designated Biologist shall submit record summaries in the **Annual Compliance Report** unless his/her duties cease, as approved by BLM's Authorized Officer and the CPM.		X	X	Monthly	Ongoing			
Biological Resources	BIO-03	The project owner's BLM- and CPM-approved Designated Biologist shall submit the resume, at least three references, and contact information of the proposed Biological Monitors to BLM's Authorized Officer and the CPM. The resume shall demonstrate, to the satisfaction of the CPM the appropriate education and experience to accomplish the assigned biological resource tasks. The Biological Monitor is the equivalent of the USFWS designated Desert Tortoise Monitor (USFWS 2008). Biological Monitor(s) training by the Designated Biologist shall include familiarity with the conditions of certification, BRMIMP, WEAP, USFWS guidelines on desert tortoise surveys and handling	The project owner shall submit the specified information to the BLM's Authorized Officer and the CPM for approval at least 30 days prior to the start of any project-related site disturbance activities. The Designated Biologist shall submit a written statement to BLM's Authorized Officer and the CPM confirming that individual Biological Monitor(s) has been trained including the date when training was completed. If additional biological monitors are needed during construction the specified information shall be submitted to BLM's Authorized Officer and the CPM and for	X			6/11/2010	Approved	6/11/2010	9/30/2010	

Biological Resources	BIO-04	The Biological Monitors shall assist the Designated Biologist in conducting surveys and in monitoring of mobilization, ground disturbance, grading, construction, operation, and closure activities. The Designated Biologist shall remain the contact for the project owner, BLM's Authorized Officer and the CPM.	The Designated Biologist shall submit in the Monthly Compliance Report to BLM's Authorized Officer and the CPM and copies of all written reports and summaries that document biological resources compliance activities, including those conducted by Biological Monitors. If actions may affect biological resources during operation a Biological Monitor, under the supervision of the Designated Biologist, shall be available for monitoring and reporting. During project operation, the Designated Biologist shall submit record summaries in the Annual Compliance Report unless		X	X	Monthly	Ongoing			
Biological Resources	BIO-05	The project owner's construction/operation manager shall act on the advice of the Designated Biologist and Biological Monitor(s) to ensure conformance with the biological resources conditions of certification. The Designated Biologist shall have the authority to immediately stop any activity that is not in compliance with these conditions and/or order any reasonable measure to avoid take of an individual of a listed species. If required by the Designated Biologist and Biological Monitor(s) the project owner's construction/operation manager shall halt all site mobilization, ground disturbance, grading, construction, and operation activities in areas specified by the Designated Biologist. The Designated Biologist shall: 1. Require a halt to all activities in any area when determined that there would be an unauthorized adverse impact to biological resources if the activities continued; 2. Inform the project owner and the construction/operation manager when to resume activities; and 3. Notify BLM's Authorized Officer and the CPM and if there is a halt of any activities and advise them of any corrective actions that have been taken or will be instituted as a result of the work stoppage. If the Designated Biologist is unavailable for direct consultation, the Biological Monitor shall act on	The project owner shall ensure that the Designated Biologist or Biological Monitor notifies BLM's Authorized Officer and the CPM immediately (and no later than the morning following the incident, or Monday morning in the case of a weekend) of any non-compliance or a halt of any site mobilization, ground disturbance, grading, construction, and operation activities. The project owner shall notify BLM's Authorized Officer and the CPM of the circumstances and actions being taken to resolve the problem. Whenever corrective action is taken by the project owner, a determination of success or failure will be made by BLM's Authorized Officer and the CPM within five working days after receipt of notice that corrective action is completed, or the project owner will be notified by BLM's Authorized Officer and the CPM that coordination with other agencies will require additional time before a determination can be made.		X	X	TBD	As needed			
Biological Resources	BIO-06	The project owner shall develop and implement an Ivanpah SEGS-specific Worker Environmental Awareness Program (WEAP) and shall secure approval for the WEAP from BLM's Authorized Officer and the CPM. The USFWS and CDFG shall be provided a copy of the WEAP for review and comment. The WEAP shall be administered to all onsite personnel including surveyors, construction engineers, employees, contractors, contractor's employees, supervisors, inspectors, subcontractors, and delivery personnel. The WEAP shall be implemented during site mobilization, ground disturbance, grading, construction, operation, and closure. The WEAP shall: 1. Be developed by or in consultation with the Designated Biologist and consist of an on-site or training center presentation in which supporting written material and electronic media, including photographs of protected species, is made available to all participants. 2. Discuss the locations and types of sensitive biological resources on the project site and adjacent areas, and explain the reasons for protecting these resources; provide information to participants that Gila monsters are venomous and should not be handled, and that no snakes, reptiles, or other wildlife shall be harmed; 3. Place special emphasis on desert tortoise, including information on physical characteristics, distribution, behavior, ecology, sensitivity to human activities, legal protection, penalties for violations, reporting requirements, and protection measures; 4. Include a discussion of fire prevention measures to be implemented by workers during project activities; request workers dispose of cigarettes and cigars appropriately and not leave them on the ground or buried; 5. Present the meaning of various temporary and permanent habitat protection measures; 6. Identify whom to contact if there are further comments and questions about the material discussed in the program; and	At least 60 days prior to the start of any project-related site disturbance activities, the project owner shall provide to BLM's Authorized Officer and the CPM a copy of the draft WEAP and all supporting written materials and electronic media prepared or reviewed by the Designated Biologist and a resume of the person(s) administering the program. The project owner shall provide in the Monthly Compliance Report the number of persons who have completed the training in the prior month and a running total of all persons who have completed the training to date. At least 10 days prior to site and related facilities mobilization, the project owner shall submit two copies of the BLM- and CPM-approved final WEAP. Training acknowledgement forms signed during construction shall be kept on file by the project owner for at least six months after the start of commercial operation. Throughout the life of the project, the worker education program shall be repeated annually for permanent employees, and shall be routinely administered within one week of arrival to any new construction personnel, foremen, contractors, subcontractors, and other personnel potentially working within the project area. Upon completion of the orientation, employees shall sign a form stating that they attended theprogram and understand all protection measures. These forms shall be maintained by the project owner and shall be made available to BLM's Authorized Officer and the CPM and upon request. Workers shall receive and be required to visibly display a hardhat sticker or certificate that they have completed the training. During project operation, signed statements for operational personnel shall be kept on file for six months following the termination of an individual's employment.	X	X	X	7/2/2010	Approved	7/6/2010	10/3/2010	
Biological Resources	BIO-07	The project owner shall develop a BRMIMP and submit two copies of the proposed BRMIMP to the BLM-Authorized Officer and the CPM (for review and approval) and shall implement the measures identified in the approved BRMIMP. The BRMIMP shall incorporate avoidance and minimization measures described in final versions of the Desert Tortoise Translocation Plan, the Raven Management Plan, the Closure, Revegetation and Rehabilitation Plan, the Burrowing Owl Mitigation and Monitoring Plan, the Weed Management Plan and the Special Status Plant Remedial Action Plan. The BRMIMP shall be prepared in consultation with the Designated Biologist and include the following: 1. All biological resources mitigation, monitoring, and compliance measures proposed and agreed to by the project owner; 2. All biological resources conditions of certification identified as necessary to avoid or mitigate impacts; 3. All biological resource mitigation, monitoring and compliance measures required in federal agency terms and conditions, such as those provided in the USFWS Biological Opinion; 4. All sensitive biological resources to be impacted, avoided, or mitigated by project construction, operation, and closure; 5. All required mitigation measures for each sensitive biological resource; 6. A detailed description of measures that shall be taken to avoid or mitigate temporary disturbances from construction activities; 7. All locations on a map, at an approved scale, of sensitive biological resource areas subject to disturbance and areas requiring temporary protection and avoidance during construction and operation; 8. Aerial photographs, at an approved scale, of all areas to be disturbed during project construction activities; include one set prior to any site or related facilities mobilization disturbance and one set subsequent to completion of project construction. Provide planned timing of aerial photography and a description of why times were chosen. Provide a final accounting of the before/after acreages and a determination of whether additional habitat compensation is necessary in the Construction Termination Report;	Owner shall submit the BRMIMP to the BLM Authorized Officer and the CPM at least 60 days prior to start of any project-related site disturbance activities. The BRMIMP shall contain all of the required measures included in all biological Conditions of Certification. No ground disturbance may occur prior to approval of the final BRMIMP by BLM's Authorized Officer and the CPM. BLM's Authorized Office and the CPM, in consultation with other appropriate agencies, will determine the BRMIMP's acceptability within 45 days of receipt. If there are any permits that have not yet been received when the BRMIMP is first submitted, these permits shall be submitted to BLM's Authorized Office and the CPM within five days of their receipt, and the BRMIMP shall be revised or supplemented to reflect the permit condition within at least 10 days of their receipt by the project owner. Ten days prior to site and related facilities mobilization the revised BRMIMP shall be resubmitted to BLM's Authorized Officer and the CPM. Owner shall notify BLM's Authorized Officer and the CPM and no less than five working days before implementing any modifications to the approved BRMIMP to obtain BLM's Authorized Officer and CPM approval. Any changes to the approved BRMIMP must also be approved by BLM's Authorized Officer and the CPM and in consultation with appropriate agencies to ensure no conflicts exist. Implementation of BRMIMP measures (construction activities that were monitored, species observed) will be reported in the Monthly Compliance Reports by the Designated Biologist. Within 30 days after completion of project construction, the project owner shall provide to BLM's Authorized Officer and the CPM, for review and approval, a written construction termination report identifying which items of the BRMIMP have been completed, a summary of all modifications to mitigation measures made during the project's site mobilization, ground disturbance, grading, and construction phases, and which	X		X	7/15/2010	Approved	7/16/2010; REVISION 2- UPDATED 4/11/2012 PER CEC REQUEST/ Revised Biological Opinion USFWS 4/22/12 Translocation of Tortoises		

Biological Resources	BIO-08	The project owner shall undertake appropriate measures to manage the construction site and related facilities in a manner to avoid or minimize impacts to desert tortoise. Methods for clearance surveys, fence installation, tortoise handling, artificial burrow construction, egg handling and other procedures would be consistent with those described in the Guidelines for Handling Desert Tortoise During Construction Projects (Desert Tortoise Council 1999) or more current guidance provided by CDFG and USFWS. The project owner shall also implement all terms and conditions described in the Biological Opinion prepared by USFWS. These measures include, but are not limited to, the following: 1. Fence Installation. To avoid impacts to desert tortoises the proposed fence alignment shall be flagged and the alignment surveyed within 24 hours prior to the initiation of construction of tortoise-exclusion fence. Surveys shall be conducted by the Designated Biologist(s) using techniques approved by the USFWS and CDFG. Biological Monitors may assist the Designated Biologist under his or her supervision. These surveys shall provide 100-percent coverage of all areas to be disturbed and an additional transect along both sides of the fence line. This fence line transect will cover an area approximately 90 feet wide centered on the fence alignment. Transects would be no greater than 30 feet apart. All desert tortoise burrows, and burrows constructed by other species that might be used by desert tortoises, shall be examined to assess occupancy of each burrow by desert tortoises and handled in accordance with USFWS-approved protocol. 2. Fence Installation. Prior to the initiation of construction activities for each solar plant, the project owner shall enclose the boundary of the affected solar plant with permanent desert tortoise exclusionary fencing or combined with permanent security and toroise exclusionary fencing that would be attached to the bottom of the chain link fencing. The fence installation shall be supervised by the Designated Biologist and monitored by the Biological Monitors to ensure the safety of any tortoise present. a. Fence Material and Installation. The permanent tortoise exclusionary fencing shall consist of	All mitigation measures and their implementation methods shall be included in the BRMIMP and implemented. Implementation of the measures shall be reported in the Monthly Compliance Reports by the Designated Biologist. Within 30 days after completion of desert tortoise clearance surveys the Designated Biologist shall submit a report to BLM's Authorized Officer, the CPM, USFWS, and CDFG describing how each of the mitigation measures described above has been satisfied. The report shall include the desert tortoise survey results, capture and release locations of any relocated desert tortoises, and any other information needed to demonstrate compliance with the measures described above.		X		11/15/2010	Approved			
Biological Resources	BIO-08 (Continued)	c. Utility Corridor Fencing. The utility rights-of-way shall be temporarily fenced on each side of the right-of-way prior to ground disturbing activities to prevent desert tortoise entry during construction. Temporary fencing must be capable of preventing desert tortoises from entering the work area with supporting stakes shall be sufficiently spaced to maintain fence integrity. The Designated Biologist or Biological Monitor shall be present to supervise all construction activities occuring within the areas bounded by temporary fencing. d. Fence Inspections. Following installation of the desert tortoise exclusion fencing for both the permanent site fencing and temporary fencing in the utility corridors, the fencing shall be regularly inspected. Permanent fencing shall be inspected monthly and during/following all major rainfall events. Any damage to the fencing shall be temporarily repaired immediately to keep tortoises out of the site, and permanently repaired within two days of observing damage. Inspections of permanent site fencing shall occur for the life of the project. Temporary fencing must be inspected weekly and, where drainages intersect the fencing, during and immediately following major rainfall events. All temporary fencing shall be repaired immediately upon discovery and, if the fence may have Digital photographs of the permitted tortoise entry while damaged, the Designated Biologist shall inspect the area for tortoise. 3. Clearance Surveys. Following construction of the security fence and the attached tortoise exclusion fence, the fenced area shall be cleared of tortoises by Biological Monitors under the supervision of the Designated Biologist. Two complete passes with complete coverage shall be conducted as described above. If a desert tortoise is located on the second survey, a third survey would be conducted. Transects would be no wider than 30 feet. Each separate survey would be walked in a different direction to allow opposing angles of observation. Vegetation salvage operations shall not begin until the area is deemed free of desert tortoises. 4. Burrow Searches. During clearance surveys all potential desert tortoise burrows within the	All mitigation measures and their implementation methods shall be included in the BRMIMP and implemented. Implementation of the measures shall be reported in the Monthly Compliance Reports by the Designated Biologist. Within 30 days after completion of desert tortoise clearance surveys the Designated Biologist shall submit a report to BLM's Authorized Officer, the CPM, USFWS, and CDFG describing how each of the mitigation measures described above has been satisfied. The report shall include the desert tortoise survey results, capture and release locations of any relocated desert tortoises, and any other information needed to demonstrate compliance with the measures described above.		X		11/15/2010	Approved			
Biological Resources	BIO-08 (Continued)	5. Burrow Excavation/Handling. All potential desert tortoise burrows located would be excavated by hand by a Biological Monitor, tortoises removed, and collapsed or blocked to prevent occupation by desert tortoises. Burrows inhabited by tortoises shall be excavated using hand tools under the supervision of the Designated Biologist. If excavated during May through July, the Biological Monitor would search for desert tortoise nests/eggs, which are typically located near the entrance to burrows. All desert tortoise handling and removal, and burrow excavations, including nests, would be conducted by the Designated Biologist or a Biological Monitor in accordance with the Service-approved protocol (Desert Tortoise Council 1994, revised 1999). If the Desert Tortoise Council releases a revised protocol for handling of desert tortoises before initiation of project activities, the revised protocol would be implemented for the project. 6. Monitoring During Clearing. Following the tortoise clearance and translocation, workers and heavy equipment shall be allowed to enter the project site to perform vegetation salvage and earth work such as clearing, grubbing, leveling, trenching, and installation of heliostats. A Biological Monitor shall monitor clearing and grading activities to find and move tortoises missed during the initial tortoise clearance survey. Should a tortoise be discovered, it shall be relocated or translocated as described in the Desert Tortoise Relocation/Translocation Plan to an area approved by the Designated Biologist. 7. Reporting. The Designated Biologist shall record the following information for any desert tortoises handled: a) the locations (narrative and maps) and dates of observation; b) general condition and health, including injuries state of healing and whether desert tortoise voided their bladders; c) location moved from and location moved to (using GPS technology); d) gender, carapace length, and diagnostic markings (i.e., identification numbers or marked lateral scutes); e) ambient temperature when handled and released; and f) digital photograph of each handled desert tortoise as described in the paragraph below. Desert tortoise	All mitigation measures and their implementation methods shall be included in the BRMIMP and implemented. Implementation of the measures shall be reported in the Monthly Compliance Reports by the Designated Biologist. Within 30 days after completion of desert tortoise clearance surveys the Designated Biologist shall submit a report to BLM's Authorized Officer, the CPM, USFWS, and CDFG describing how each of the mitigation measures described above has been satisfied. The report shall include the desert tortoise survey results, capture and release locations of any relocated desert tortoises, and any other information needed to demonstrate compliance with the measures described above.		X		11/15/2010	Approved			

Biological Resources	BIO-09	The project owner shall develop and implement a final Desert Tortoise Relocation/Translocation Plan (Plan) that is consistent with current USFWS approved guidelines, including the recently released "Translocation of Desert Tortoises (Mojave Population) from Project Sites: Plan Development Guidnace, US Fish and Wildlife Service, August 2010" and meets the approval of BLM's Authorized Officer, USFWS, and CPM in consultation with CDFG. The final Plan shall be based on the draft Desert Tortoise Relocation/Translocation Plan prepared by the applicant dated May 2009 and modifications to this plan identified in the BA amendment dated June 21, 2010, and shall include all revisions deemed necessary by BLM's Authorized Officer, USFWS, and the CPM in consultation with the CDFG. Translocation of tortoise into the Mojave National Preserve will require fencing of roads within 10 km (6.2 miles) of receptor sites. Since this fencing is required as part of the translocation, it would not count towards the fencing identified in BIO-17, desert tortoise	Within 60 days of publication of the Energy Commission Decision the project owner shall provide BLM's Authorized Officer and the CPM with the final version of a Desert Tortoise Relocation/Translocation Plan that has been reviewed and approved by BLM's Authorized Officer, USFWS and CPM in consultation with CDFG. BLM's Authorized Officer and the CPM will determine the plan's acceptability within 15 days of receipt of the final plan. All modifications to the approved translocation must be made only after consultation with BLM's Authorized Officer, USFWS, and the CPM, in consultation with CDFG. Within 30 days after initiation of translocation activities, the Designated Biologist shall provide to BLM's Authorized Officer and the CPM for review and approval, a written report identifying which items of the Plan have been completed, and a	X	X		7/2/2010	Approved	9/27/2010	11/4/2010 (rev. 4 - BLM)	
Biological Resources	BIO-10	The project owner shall provide Energy Commission and BLM representatives with reasonable access to the project site and mitigation lands under the control of the project owner and shall otherwise fully cooperate with the Energy Commission's and BLM's efforts to verify the project owner's compliance with, or the effectiveness of, mitigation measures set forth in the conditions of certification. The project owner shall hold the Designated Biologist, the Energy Commission, and BLM harmless for any costs the project owner incurs in complying with the management measures, including stop work orders issued by BLM's Authorized Officer, the CPM, or the Designated Biologist. The Designated Biologist shall do all of the following: 1. Notify BLM's Authorized Officer and the CPM and at least 14 calendar days before initiating vegetation salvage or ground-disturbing activities; 2. Immediately notify BLM's Authorized Officer and the CPM in writing if the project owner is not in compliance with any conditions of certification, including but not limited to any actual or anticipated	No later than 2 calendar days following the above required notification of a sighting, kill, or relocation of a listed species, the project owner shall deliver to BLM's Authorized Officer, the CPM, CDFG, and USFWS via FAX or electronic communication the written report from the Designated Biologist describing all reported incidents of injury, kill, or relocation of a listed species, identifying who was notified, and explaining when the incidents occurred. In the case of a sighting in an active construction area, the project owner shall, at the same time, submit a map (e.g., using Geographic Information Systems) depicting both the limits of construction and sighting location to BLM's Authorized Officer, the CPM, CDFG and USFWS.		X	X	TBD	As needed			
Biological Resources	BIO-10 (Continued)	3. Remain onsite daily while vegetation salvage, grubbing, grading and heliostat installation activities are taking place to avoid or minimize take of listed species, to check for compliance with all impact avoidance and minimization measures, and to check all exclusion zones to ensure that signs, stakes, and fencing are intact and that human activities are restricted in these protective zones. 4. Maintain and check desert tortoise exclusion fences on a daily basis to ensure the integrity of the fence is maintained. The Designated Biologist shall be present onsite to monitor construction and determine fence placement during fence installation. 5. Conduct compliance inspections at a minimum of once per month after clearing, grubbing, grading, and heliostat installation activities are completed and submit a monthly compliance report to BLM's Authorized Officer and the CPM ; 6. No later than January 31 of every year the ISEGS facility remains in operation, provide BLM's Authorized Officer and the CPM an annual Listed Species Status Report, which shall include, at a minimum: 1) a general description of the status of the project site and construction activities, including actual or projected completion dates, if known; 2) a copy of the table in the BRMIMP with notes showing the current implementation status of each mitigation measure; and 3) an assessment of the effectiveness of each completed or partially completedmitigation measure in minimizing and compensating for project impacts;	No later than 2 calendar days following the above required notification of a sighting, kill, or relocation of a listed species, the project owner shall deliver to BLM's Authorized Officer, the CPM, CDFG, and USFWS via FAX or electronic communication the written report from the Designated Biologist describing all reported incidents of injury, kill, or relocation of a listed species, identifying who was notified, and explaining when the incidents occurred. In the case of a sighting in an active construction area, the project owner shall, at the same time, submit a map (e.g., using Geographic Information Systems) depicting both the limits of construction and sighting location to BLM's Authorized Officer, the CPM, CDFG and USFWS.		X	X	TBD	Submitted: Listed Species Status Report	1/31/2011;		
Biological Resources	BIO-10 (Continued)	7. Ensure that all observations of listed species and their sign during project activities are reported to the Designated Biologist for inclusion in the next monthly compliance report submitted to BLM's Authorized Officer and the CPM; 8. No later than 45 days after the first sale of power provide BLM's Authorized Officer and the CPM a Final Listed Species Mitigation Report that shall include, at a minimum: 1) a copy of the table in the BRMIMP with notes showing when each of the mitigation measures was implemented; 2) all available information about project-related incidental take of listed species; 3) information about other project impacts on the listed species 4) construction dates; 5) an assessment of the effectiveness of conditions of certification in minimizing and compensating for project impacts; 6) recommendations on how mitigation measures might be changed to more effectively minimize and mitigate the impacts of future projects on the listed species; and 7) any other pertinent information, including the level of take of the listed species associated with the project;	No later than 2 calendar days following the above required notification of a sighting, kill, or relocation of a listed species, the project owner shall deliver to BLM's Authorized Officer, the CPM, CDFG, and USFWS via FAX or electronic communication the written report from the Designated Biologist describing all reported incidents of injury, kill, or relocation of a listed species, identifying who was notified, and explaining when the incidents occurred. In the case of a sighting in an active construction area, the project owner shall, at the same time, submit a map (e.g., using Geographic Information Systems) depicting both the limits of construction and sighting location to BLM's Authorized Officer, the CPM, CDFG and USFWS.		X	X	TBD	As needed			
Biological Resources	BIO-10 (Continued)	9. In the event of a sighting in an active construction area (e.g., with equipment, vehicles, or workers), injury, kill, or relocation of any listed species, notify BLM's Authorized Officer, the CPM, CDFG and USFWS immediately by phone and in no event later than noon on the business day following the event if it occurs outside normal business hours so that the agencies can determine what further actions, if any, are required to protect listed species; 10. Prepare written follow-up notification via FAX or electronic communication to these agencies within 2 calendar days of the incident and include the following information as relevant: a. If a desert tortoise is injured as a result of project related activities during construction, the Designated Biologist will immediately take it to a BLM- and CPM-approved wildlife rehabilitation and/or veterinarian clinic. Any veterinarian bills for such injured animals will be paid by the project owner. Following phone notification as required above, BLM's Authorized Officer, the CPM, CDFG, and USFWS will determine the final disposition of the injured animal, if it recovers. Written notification shall include, at a minimum, the date,	No later than 2 calendar days following the above required notification of a sighting, kill, or relocation of a listed species, the project owner shall deliver to BLM's Authorized Officer, the CPM, CDFG, and USFWS via FAX or electronic communication the written report from the Designated Biologist describing all reported incidents of injury, kill, or relocation of a listed species, identifying who was notified, and explaining when the incidents occurred. In the case of a sighting in an active construction area, the project owner shall, at the same time, submit a map (e.g., using Geographic Information Systems) depicting both the limits of construction and sighting location to BLM's Authorized Officer, the CPM, CDFG and USFWS.		X	X	TBD	As needed			
Biological Resources	BIO-10 (Continued)	b. If a desert tortoise is killed by project-related activities during construction, or if a desert tortoise is otherwise found dead, submit a written report with the same information as an injury report. These desert tortoises shall be salvaged according to guidelines described in *Salvaging Injured, Recently Dead, Ill, and Dying Wild, Free-Roaming Desert Tortoise* prepared by Kristin Berry, June 2001. The project owner shall pay to have these desert tortoises necropsied. The report will include the date and time of the finding or incident. c. The CPM may issue the project owner a written stop work order to suspend any activity related to the construction or operation of the project for an appropriate period determined in consultation with BLM in order to prevent or remedy a violation of one or more conditions of certification (including but not limited to failure to comply with reporting, monitoring, or habitat acquisition obligations) or to prevent the illegal take of an endangered, threatened, or candidate species. The	No later than 2 calendar days following the above required notification of a sighting, kill, or relocation of a listed species, the project owner shall deliver to BLM's Authorized Officer, the CPM, CDFG, and USFWS via FAX or electronic communication the written report from the Designated Biologist describing all reported incidents of injury, kill, or relocation of a listed species, identifying who was notified, and explaining when the incidents occurred. In the case of a sighting in an active construction area, the project owner shall, at the same time, submit a map (e.g., using Geographic Information Systems) depicting both the limits of construction and sighting location to BLM's Authorized Officer, the CPM, CDFG and USFWS.		X	X	TBD	As needed			

Biological Resources	BIO-11	During construction the project owner shall implement all feasible measures to avoid or minimize impacts to biological resources, including the following: 1. Limit Disturbance Areas. The boundaries of all areas to be disturbed (including staging areas, access roads, and sites for temporary placement of spoils) shall be delineated with stakes and flagging prior to construction activities in consultation with the Designated Biologist. Spoils and topsoil shall be stockpiled in disturbed areas lacking native vegetation and which do not provide habitat for special-status species. All disturbances, project vehicles and equipment shall be confined to the flagged areas. 2. Minimize Road Impacts. New and existing roads that are planned for construction, widening, or other improvements shall not extend beyond the flagged impact area as described above. All vehicles passing or turning around will do so within the planned impact area or in previously disturbed areas. Where new access is required outside of existing roads or the construction zone, the route will be clearly marked (i.e., flagged and/or staked) prior to the onset of construction. 3. Minimize Traffic Impacts. Vehicular traffic during project construction and operation shall be confined to existing routes of travel to and from the project site, and cross country vehicle and equipment use outside designated work areas shall be prohibited. The speed limit shall not exceed 20 miles per hour within the project area, on maintenance roads for linear facilities, or on access roads to the ISEGS	All mitigation measures and their implementation methods shall be included in the BRMIMP. Implementation of the measures shall be reported in the **Monthly Compliance Reports** by the Designated Biologist. Within 30 days after completion of project construction, the project owner shall provide to BLM's Authorized Officer and the CPM, for review and approval, a written construction termination report identifying how measures have been completed. The Designated Biologist shall report summarizing all available data (species of carcass, date and location collected, and cause of death) describing bird and other carcasses collected within the project site each year.		X	X	Monthly	Ongoing			
Biological Resources	BIO-11 (Continued)	4. Monitor During Construction. The Designated Biologist or Biological Monitor shall be present at the construction site during all project activities that have potential to disturb soil, vegetation, and wildlife. In areas that have not been fenced with tortoise exclusion fencing and cleared, the USFWS-approved Designated Biologist or Biological Monitor shall walk immediately ahead of equipment during brushing and grading activities. 5. Minimize Impacts of Transmission/Pipeline Alignments, Roads, Staging Areas. Staging areas for construction on the plant site shall be within the area that has been fenced with desert tortoise exclusion fencing and cleared. For construction activities outside of the plant site (transmission line, pipeline alignments) access roads, pulling sites, and storage and parking areas shall be designed, installed, and maintained with the goal of minimizing impacts to native plant communities and sensitive biological resources. Transmission lines and all electrical components shall be designed, installed, and maintained in accordance with the Avian Power Line Interaction Committee's (APLIC's) Suggested Practices for Avian Protection on Power Lines (APLIC 2006) and Mitigating Bird Collisions with Power Lines (APLIC 2004) to reduce the likelihood of large bird electrocutions and collisions. 6. Avoid Use of Toxic Substances. Road surfacing and sealants as well as soil bonding and weighting agents used on road surfaces shall be non-toxic to wildlife and plants	All mitigation measures and their implementation methods shall be included in the BRMIMP. Implementation of the measures shall be reported in the **Monthly Compliance Reports** by the Designated Biologist. Within 30 days after completion of project construction, the project owner shall provide to BLM's Authorized Officer and the CPM, for review and approval, a written construction termination report identifying how measures have been completed. The Designated Biologist shall report summarizing all available data (species of carcass, date and location collected, and cause of death) describing bird and other carcasses collected within the project site each year.		X	X	Monthly	Ongoing			
Biological Resources	BIO-11 (Continued)	8. Badger Surveys. Concurrent with the desert tortoise clearance survey, the Designated Biologist or Biological Monitors shall perform a preconstruction survey for badger dens in the project area, including areas within 250 feet of all project acilities, utility corridors, and access roads. If badger dens are found, each den shall be classified as inactive, potentially active, or definitely active. Inactive dens shall be excavated by hand and backfilled to prevent reuse by badgers. Potentially and definitely active dens shall be monitored by the Designated Biologist or Biological Monitor for three consecutive nights using a tracking medium (such as diatomaceous earth or fire clay) at the entrance. If no tracks are observed in the tracking medium after 3 nights, the den shall be excavated and backfilled by hand. If tracks are observed, the applicant shall develop and implement a trapping and relocation plan in consultation with the Designated Biologist and CDFG. BLM approval may be required prior to release of badgers on public lands. 9. Gila Monster Surveys. If a Gila monster is encountered during clearance surveys or during construction, a qualified biologist experienced with Gila monster survey and capture techniques shall capture and maintain it in a cool (<85 degrees F) environment until it can be released to a safe, suitable area beyond the construction impact zone. The biologist shall coordinate with staff and CDFG biologists in the transport and relocation of any Gila monsters encountered during project surveys, construction, or operation. 10. Avoid Vehicle Impacts to Desert Tortoise. Parking and storage shall occur within the area enclosed by desert tortoise exclusion fencing to the extent feasible. No vehicles or construction equipment parked outside the fenced area shall be moved prior to an inspection of the ground beneath the vehicle for the presence of desert tortoise. If a desert tortoise is observed, it will be left to move on its own. If it	All mitigation measures and their implementation methods shall be included in the BRMIMP. Implementation of the measures shall be reported in the **Monthly Compliance Reports** by the Designated Biologist. Within 30 days after completion of project construction, the project owner shall provide to BLM's Authorized Officer and the CPM, for review and approval, a written construction termination report identifying how measures have been completed. The Designated Biologist shall report summarizing all available data (species of carcass, date and location collected, and cause of death) describing bird and other carcasses collected within the project site each year.		X	X	Monthly	Ongoing			

Biological Resources	BIO-11 (Continued)	11. Avoid Wildlife Pitfalls: a. Backfill Trenches. At the end of each work day, the Designated Biologist shall ensure that all potential wildlife pitfalls (trenches, bores, and other excavations) outside the area fenced with desert tortoise exclusion fencing have been backfilled. If backfilling is not feasible, all trenches, bores, and other excavations shall be sloped at a 3:1 ratio at the ends to provide wildlife escape ramps, or covered completely to prevent wildlife access, or fully enclosed with desert tortoise-exclusion fencing. All trenches, bores, and other excavations outside the areas permanently fenced with desert tortoise exclusion fencing shall be inspected periodically throughout the day and at the end of each workday by the Designated Biologist or a Biological Monitor. Should a tortoise or other wildlife become trapped, the Designated Biologist or Biological Monitor shall remove and relocate the individual as described in the Desert Tortoise Relocation/Translocation Plan. Any wildlife encountered during the course of construction shall be allowed to leave the construction area unharmed. b. Avoid Entrapment of Desert Tortoise. Any construction pipe, culvert, or similar structure with a diameter greater than 3 inches, stored less than 8 inches aboveground and within desert tortoise habitat (i.e., outside the permanently fenced area) for one or more nights, shall be inspected for tortoises before the material is moved, buried or capped. As an alternative, all such structures may be capped before being stored outside the fenced area, or placed on pipe racks. These materials would not need to be inspected or capped if they are stored within the permanently fenced area after the clearance surveys have been completed. c. Cap Heliostat Holes. All holes drilled for heliostats shall be capped the same day they are drilled. Caps shall remain on the holes until heliostats are inserted into the holes, and shall be securely fastened and sufficiently sturdy to cover the heliostat holes indefinitely. The caps shall exclude all wildlife, and shall be inspected weekly	All mitigation measures and their implementation methods shall be included in the BRMIMP. Implementation of the measures shall be reported in the **Monthly Compliance Reports** by the Designated Biologist. Within 30 days after completion of project construction, the project owner shall provide to BLM's Authorized Officer and the CPM, for review and approval, a written construction termination report identifying how measures have been completed. The Designated Biologist shall report summarizing all available data (species of carcass, date and location collected, and cause of death) describing bird and other carcasses collected within the project site each year.		X	X	Monthly	Ongoing			
Biological Resources	BIO-11 (Continued)	13. Dispose of Roadkilled Animals. Road killed animals or other carcasses detected in the project area or on roads near the project area shall be picked up immediately and delivered to the Biological Monitor. Within 1 working day of receipt of the carcass the Biological Monitor shall contact CDFG and/or USFWS for guidance on disposal or storage of the carcass. 14. Photographic Documentation of Bird Carcasses. On-site personnel shall photograph and record the location of all bird carcasses encountered and location data to the Designated Biologist. The Designated Biologist shall identify the bird, ascertain a cause of death if pssoible, maintain a database of this information for all bird carcasses, and each year of operationshall provide a report summarizing this information to the CPM, BLM's Authorized Officer, CDFG, and USFWS. 15. Minimize Spills of Hazardous Materials. All vehicles and equipment shall be maintained in proper working condition to minimize the potential for fugitive emissions of motor oil, antifreeze, hydraulic fluid, grease, or other hazardous materials. The Designated Biologist shall be informed of any hazardous spills immediately as directed in the project Hazardous Materials Plan. Hazardous spills shall be immediately cleaned up and the contaminated soil properly disposed of at a licensed facility. Servicing of construction equipment shall take place only at a designated area. Service/maintenance vehicles shall carry a bucket and pads to absorb leaks or spills. 16. Worker Guidelines. During construction all trash and food-related waste shall be placed in self-closing containers and removed daily from the site. Workers shall not feed wildlife or bring pets to the project site. Except for law enforcement personnel, no workers or visitors to the site shall bring firearms or weapons. Vehicular traffic shall be confined to existing routes of travel to and from the project site, and cross country vehicle and equipment use outside designated work areas shall be prohibited. The speed limit when traveling	All mitigation measures and their implementation methods shall be included in the BRMIMP. Implementation of the measures shall be reported in the **Monthly Compliance Reports** by the Designated Biologist. Within 30 days after completion of project construction, the project owner shall provide to BLM's Authorized Officer and the CPM, for review and approval, a written construction termination report identifying how measures have been completed. The Designated Biologist shall report summarizing all available data (species of carcass, date and location collected, and cause of death) describing bird and other carcasses collected within the project site each year.		X	X	Monthly	Ongoing			
Biological Resources	BIO-12	The project owner shall implement a Raven Management Plan that is consistent with the most current USFWS-approved raven management guidelines, and which meets the approval of USFWS, BLM Authorized Officer, and the CPM in consultation with CDFG. The draft Raven Management Plan submitted by The applicant (CH2M Hill 2008f) shall provide the basis for the final plan, subject to review and revisions from USFWS, BLM Authorized Officer and the CPM in consultation with CDFG. The project owner shall submit payment to the project sub-account of the REAT Account held by the National Fish and Wildlife Foundation (NFWF) to support the USFWS Regional Raven Management Program. The amount shall be a one-time payment of $105 per acre of permanent disturbance.	At least 60 days prior to start of any project-related ground disturbance activities, the project owner shall provide BLM's Authorized Officer, the CPM, USFWS, and CDFG with the final version of a Raven Management Plan that has been reviewed by USFWS, CDFG, BLM, and the Energy Commission staff. The CPM and BLM's Authorized Officer will determine the plan's acceptability within 15 days of receipt of the final plan. All modifications to the approved Raven Management Plan shall be made only after approval by BLM's Authorized Officer and the CPM in consultation with the USFWS and CDFG. No less than 10 days prior to the start of any Project-related ground disturbance activities, the project owner shall provide documentation to the CPM, CDFG and USFWS that the one-time fee for the USFWS Regional Raven Management Program has been deposited in the REAT-NFWS subaccount for the Project. Within 60 days after completion of project construction, the project owner shall provide to the CPM for review and approval, a written report identifying which items of the Raven Management Plan have been completed, a summary of all modifications to mitigation measures made during the project's construction phase, and which items are still outstanding.	X		X	7/15/2010	Approved	7/2/2010	10/7/2010	
Biological Resources	BIO-13	The project owner shall implement a Weed Management Plan that meets the approval of BLM and the CPM. The draft Weed Management Plan submitted by the applicant (CH2M Hill 2008e) shall provide the basis for the final plan, subject to review and revisions from BLM and CPM, in consultation with USFWS, and CDFG. In addition to describing weed eradication and control methods, and a reporting plan for weed management during and after construction, the final Weed Management Plan shall include at least the following Best Management Practices as specified in BLM's Programmatic Environmental Impact Statement for Vegetation Treatments Using Herbicides on Bureau of Land Management lands in 17 Western States to prevent the spread and propagation of noxious weeds: 1. Limit the size of any vegetation and/or ground disturbance to the absolute minimum, and limit ingress and egress to defined routes. 2. Maintain vehicle wash and inspection stations and closely monitor the types of materials brought onto the site. 3. Reestablish vegetation quickly on disturbed sites. 4. Monitoring and rapid implementation of control measures to ensure early detection and eradication for weed invasions. 5. Use only weed-free straw or hay bales used for sediment barrier installations, and weed-free seed. 6. Reclamation and revegetation shall occur on all temporarily disturbed areas, including pipelines.	At least 60 days prior to start of any project-related ground disturbance activities, the project owner shall provide BLM's Authorized Officer and the CPM with the final version of a Weed Management Plan. BLM's Authorized Officer and the CPM will determine the plan's acceptability within 15 days of receipt of the final plan. All modifications to the approved Weed Control Plan must be made only after consultation with the CPM, and BLM's Authorized Officer, in consultation with USFWS, and CDFG. Within 30 days after completion of project construction, the project owner shall provide to BLM's Authorized Officer and the CPM for review and approval, a written report identifying which items of the Weed Management Plan have been completed, a summary of all modifications to mitigation measures made during the project's construction phase, and which items are still outstanding.	X		X	7/15/2010	Approved; Letters regarding the completion of the Weed Management Plan requirements will be issued to the agencies for all phases upon completion of Phase 3 Construction.	7/7/2010	10/7/2010	

Biological Resources	BIO-14	The project owner shall develop and implement a revised Closure, Revegetation and Rehabilitation Plan (Plan) in cooperation with BLM and Energy Commission staff, to guide site restoration and closure activities, including methods proposed for revegetation of disturbed areas immediately following construction and rehabilitation and revegetation upon closure of the facility. This plan must address preconstruction salvage and relocation of succulent vegetation from the site to an onsite nursery facility for storage and propagation of material to reclaim disturbed areas. In the case of unexpected closure, the plan assumes restoration activities could possibly take place prior to the anticipated lifespan of the plant. The Plan shall address all issues discussed in Biological Resources Appendix-B: Issues to Address in the *Closure, Revegetation and Rehabilitation Plan,* and shall include but is not limited to the following elements in the revised plan: 1. Plan Purpose: The plan shall explicitly identify the objective of the revegetation plan to be re-creation of the types of habitats lost during construction and operation of the proposed solar energy facility. The final revegetation plan shall include introduction of mid- to late-successional species. 2. Standards/Monitoring: Performance standards for success thresholds, weed cover, performance monitoring methods and schedule, and maintenance monitoring in the revised Plan shall be conducted as described in **Biological Resources Appendix B.** 3. Baseline Surveys – Baseline vegetation surveys for planning restoration efforts shall be conducted as described in **Biological Resources Appendix B**. 4. Vegetation Clearing: Clearing of vegetation shall be limited to areas for which final maps are provided to BLM before approval of the ROW. Clearing of vegetation will be permitted on roads, utility routes, heliostat maintenance pathways, building and parking areas, and temporary staging areas provided these are specifically documented on a georeferenced construction alignment drawing or aerial photo or shape file, showing the exact locations of soil disturbance. BLM will consider relocating specific	No more than 30 days from the Energy Commission Decision and BLM Record of Decision the project owner shall provide BLM's Authorized Officer and the CPM with a draft version of the revised Closure, Revegetation and Rehabilitation Plan. At least 60 days prior to start of any project-related ground disturbance activities, the project owner shall provide BLM's Authorized Officer and the CPM with the final version of the Closure, Revegetation and Rehabilitation Plan that has been reviewed and approved by BLM Authorized Officer, and the CPM. All modifications to the approved Revegetation and Reclamation Plan must be made only after consultation with BLM's Authorized Officer and the CPM. Within 30 days after completion of project construction for each phase of development, the project owner shall provide to BLM's Authorized Officer and the CPM for review and approval, a written report identifying which items of the Closure, Revegetation and Rehabilitation Plan have been completed, a summary of all modifications to mitigation measures made during the project's construction phase, and which items are still outstanding. At least one year prior to planned closure and decommissioning the project owner shall submit to the BLM-Authorized Officer and the CPM a final Closure Plan for review to determine if revisions are needed. The project owner shall incorporate all required revisions to the final Closure Plan and submit to the BLM-Authorized Officer and the CPM no less than 90 days prior to the start of ground disturbing activities associated with closure and decommissioning activities.	X	X	X	6/18/2010	Approved; Letters regarding the completion of the Reveg and Closure requirements will be issued to the agencies for all phases upon completion of Phase 3 Construction.	7/6/2010	10/7/2010	
Biological Resources	BIO-14 (Continued)	6. Succulent Salvage: The revised Plan shall include a table that shows proposed succulent salvage by species the number of plants onsite, the lower threshold height for salvage, the number in each size class, and the fate of plants not salvaged. An inventory and map of proposed succulent transplants shall be provided as described in Appendix A. Information gained from succulent transplant experience gained in ISEGS 1 shall be applied to future salvage operations, as described in **Biological Resources Appendix B**. 7. Seed Handling: Seed collection, testing and application shall be conducted as described in **Biological** **Resources Appendix B,** with collection areas within 10 miles of the project boundaries and on similar terrain, soil, exposure, slope, and elevation to the project site. 8. Soil Preparation: Soil descriptions, compaction measurements, mulch application, soil storage, seed farming, mycorrhizal inoculation, and biological crust collection and storage shall be conducted as described in **Biological Resources Appendix B.** Soil stockpiles shall not be placed on areas that support special-status plant species or other sensitive biological resources. 9. Weed Management. Weed management activities needed to control weeds resulting from mirror washing shall be conducted as described in **Biological Resources Appendix B**. 10. Final Closure Plan. A Final Closure Plan, which addresses the final revegetation and rehabilitation activities upon closure and decommissioning of the project, shall be completed as part of the revised Plan. The Final Closure Plan shall include a cost estimate, adjusted for inflation, reflecting the costs of the revegetation, rehabilitation, and monitoring for the duration of time estimated to achieve the objective of recreating plant communities impacted by the project 11. The project owner shall implement the Closure, Revegetation, and Rehabilitation Plan, Revision 3, dated July 6, 2010, with the following modifications. a. The long-term soil stockpiles, as discussed in Table 5-2 of the Plan, shall be no higher than 6 feet. b. The Preliminary Seeding Plan for Short-Term Disturbed Areas, and to be used as the basis for	No more than 30 days from the Energy Commission Decision and BLM Record of Decision the project owner shall provide BLM's Authorized Officer and the CPM with a draft version of the revised Closure, Revegetation and Rehabilitation Plan. At least 60 days prior to start of any project-related ground disturbance activities, the project owner shall provide BLM's Authorized Officer and the CPM with the final version of the Closure, Revegetation and Rehabilitation Plan that has been reviewed and approved by BLM Authorized Officer, and the CPM. All modifications to the approved Revegetation and Reclamation Plan must be made only after consultation with BLM's Authorized Officer and the CPM. Within 30 days after completion of project construction for each phase of development, the project owner shall provide to BLM's Authorized Officer and the CPM for review and approval, a written report identifying which items of the Closure, Revegetation and Rehabilitation Plan have been completed, a summary of all modifications to mitigation measures made during the project's construction phase, and which items are still outstanding. At least one year prior to planned closure and decommissioning the project owner shall submit to the BLM-Authorized Officer and the CPM a final Closure Plan for review to determine if revisions are needed. The project owner shall incorporate all required revisions to the final Closure Plan and submit to the BLM-Authorized Officer and the CPM no less than 90 days prior to the start of ground disturbing activities associated with closure and decommissioning activities.	X	X	X	6/18/2010	Approved; Letters regarding the completion of the Reveg and Closure requirements will be issued to the agencies for all phases upon completion of Phase 3 Construction.	7/6/2010	10/7/2010	
Biological Resources	BIO-15	Pre-construction nest surveys shall be conducted if construction activities will occur from February 1 through August 31. The Designated Biologist or Biological Monitor conducting the surveys shall be experienced bird surveyors familiar with standard nest-locating techniques and shall perform surveys in accordance with the following guidelines: 1. Surveys shall cover all potential nesting habitat in the project site or within 500 feet of the boundaries of the site and linear facilities; 2. At least two pre-construction surveys shall be conducted, separated by a minimum 10-day interval. One of the surveys needs to be conducted within the 14-day period preceding initiation of construction activity. Additional follow-up surveys may be required if periods of construction inactivity exceed three weeks, an interval during which birds may establish a nesting territory and initiate egg laying and incubation; 3. If active nests are detected during the survey, a buffer zone (protected area surrounding the nest, the size of which is to be determined by the Designated Biologist in consultation with CDFG) and monitoring plan shall be developed. Nest locations shall be mapped and submitted, along with a report stating the survey results, to the CPM; and 4. The Designated Biologist shall monitor the nest until he or she determines that nestlings have fledged.	At least 10 days prior to the start of any project-related ground disturbance activities, the project owner shall provide the CPM a letter-report describing the findings of the pre-construction nest surveys, including the time, date, and duration of the survey; identity and qualifications of the surveyor (s); and a list of species observed. If active nests are detected during the survey, the report shall include a map or aerial photo identifying the location of the nest and shall depict the boundaries of the no-disturbance buffer zone around the nest.	X			10/3/2010	Approved	10/3/2010	10/7/2010	

Biological Resources	BIO-16	The project owner shall implement the following measures for the burrowing owl: 1. Complete a pre-construction survey for burrowing owls for any areas subject to disturbance from construction prior to the start of initial ground disturbance activities. If burrowing owls are present within 500 feet of the project site or linear facilities, then the CDFG burrowing owl guidelines (1995) shall be implemented; 2. Monitor burrowing owl pairs within 500 feet of any activities that exceed ambient noise and/or vibration levels; 3. Establish a 500-foot set back from any active burrow and construct additional noise/visual barriers (e.g., haystacks or plywood fencing) to shield the active burrow from construction activities. Post signs (in both English and Spanish) designating presence of sensitive area; 4. Passively relocate all owls occupying burrows that will be temporarily or permanently impacted by the project and implement the following CDFG take avoidance measures: a. Occupied burrows shall not be disturbed during the nesting season (February 1 – August 31) unless a qualified biologist can verify through non-invasive methods that egg laying/incubation has not begun or juveniles are foraging independently and able to fly; b. A qualified biologist must **passively** relocate owls, confirm that owls have left burrows prior to ground-disturbing activities, and monitor the burrows. Once evacuation is confirmed, the biologist should hand excavate burrows and then fill burrows to prevent reoccupation; and c. Relocation of owls shall be approved by and conducted in consultation with CDFG. 5. Submit a Burrowing Owl Mitigation and Monitoring Plan to the CPM and CDFG for review and approval	The project owner shall complete a pre-construction survey for burrowing owls for any aras subject to disturbance from construction no more than 30 days prior to the start of any project-related site disturbance activities, and submit a report to CDFG, USFWS, BLM's Authorized Officer and the CPM that describes when surveys were completed, observations, mitigation measures, and the results of the mitigation. If burrowing owls are to be protected on site or relocated, the project owner shall coordinate with and report to CDFG, USFWS, BLM and Energy Commission staff on these proposed activities in a Burrowing Owl Mitigation and Monitoring Plan. Within 30 days after completion of owl relocation and monitoring, and the start of ground disturbance or at least 90 days prior to the sale of power, the project owner shall provide to the CDFG, CPM and BLM a written construction termination report identifying how measures have been completed.	X	X		10/7/2010	Approved	10/15/2010	Approved	
Biological Resources	BIO-17	To fully mitigate for habitat loss and potential take of desert tortoise, the project owner shall provide compensatory mitigation at a 3:1 ratio for impacts to 3,582 acres or the area disturbed by the final project footprint. At least two thirds of the 3:1 mitigation requirement shall be achieved by acquisition, in fee title or in easement, of no less than 7,146 acres of land suitable for desert tortoise or twice the area disturbed by the final project footprint. The Energy Commission's compensatory mitigation requirement consists of habitat acquisition at a 2:1 ratio as well as the BLM's 1:1 desert tortoise mitigation approach of habitat enhancement.The project owner shall provide financial Security as specified in this condition in an amount sufficient to ensure the entire 3:1 mitigation requirement, including acquisition, initial habitat improvements and long-term management for the compensation lands to be acquired and the mitigation to be provided through BLM. The 1:1 compensatory mitigation, that will satisfy both the BLM's mitigation requirements and a portion of the Energy Commission's mitigation requirements, shall be developed in accordance with BLM's desert tortoise mitigation requirements as described in the Northern and Eastern Mojave Desert Management Plan (BLM 2002). BLM's compensatory mitigation plan, serving as one third of the 3:1 mitigation ratio consists of desert tortoise habitat enhancement including installation of at least 50 miles of desert tortoise exclusion fencing on roadways in the Northeastern Mojave Recovery Unit, and habitat restoration of at least 50 routes within the Desert Wildlife Management Area. The project owner may elect to satisfy the requirements of this condition by depositing funds into the Renewable Energy Action Team (REAT) Account established with the National Fish and Wildlife Foundation (NFWF) [Deposit of Funds to a NFWF Account] as described in #4 of this condition. The Energy Commission requirements for acquisition of 7,164 acres of compensation lands and habitat enhancements through BLM shall include all of the following: BLM's compensatory mitigation plan, serving as one third of the 3:1 mitigation ratio required to satisfy CESA, shall consist of desert tortoise habitat enhancement, including installation of at least 50 miles of desert tortoise exclusion fencing on roadways in the Northeastern Mojave Recovery Unit, and habitat restoration of at least 50 routes within the Desert Wildlife Management Area. Areas identified for fencing include: the boundary of the town of Nipton, Nipton Road between the California-Nevada border and the junction of I-15, Ivanpah Road, Interstate 15 from Nipton Road to the Ivanpah Dry Lake, US Highway 95 through Piute Valley from the California-Nevada border to the town of Goffs, opr the boundary for the community of Goffs. Some of these roads (e.g. portions of Nipton Road and Ivanpah Road) may require fencing associated with the tortoise translocation plan. Any fencing deemed necessary for toirtoise translocation would be above and beyond the 50 miles required by this mitigation measure. In lieu of acquiring lands and implementing	The Project owner shall provide the CPM with written notice prior to the start of ground-disturbing activities on the Project site. If purchase of 7,164 acres of mitigation lands as described in this condition, or as described in BIO-22 (phasing), is not completed prior to the start of grounddisturbing activities, the Project owner shall provide the CPM with approved Security prior to the start of ground-disturbing activities. The Security shall be in accordance with Item # 4 of this condition and other requirements of this condition, allowing for either Acquisition of Mitigation Lands by the project owner or use of the NFWF Account to satisfy this condition, and with BIO-22 (phasing) if the project owner elects to use that option. If the project owner elects to Deposit Funds to the NFWF Account, it shall provide documentation of deposit of the required security to the REAT-NFWF Account prior to start of ground-disturbing activities on the project site. Within 6 months of the Energy Commission decision, the project owner shall provide to the CPM for review and approval a Property Analysis Record (PAR) or PAR-like analysis to establish the appropriate amount for the long-term maintenance fee to fund maintenance of the proposed enhancement actions (desert tortoise exclusion fencing and DWMA route restoration). The project owner shall deposit the long-term maintenance fee into the REAT-NFWF account or another third-party recipient acceptable to the CPM in consultation with CDFG and BLM within 18 months of the Energy Commission decision. Starting with the first year following construction and continuing for the duration of project impacts, the project owner shall provide to the CPM, BLM and CDFG an annual report describing: the results of the annual inspection of fencing and rehabilitated routes; a summary of fence repairs and maintenance of reclaimed routes completed during the year; and recommendations and a cost estimate for repairs and maintenance activities needed for the upcoming year. A minimum of three months prior to acquisition of the property, the project owner shall submit a formal acquisition proposal to the CPM, CDFG, USFWS and BLM describing the parcels intended for purchase. No later than 18 months following the publication of the Energy Commission Decision the project owner shall provide written verification to the CPM and CDFG that the Energy Commission compensation lands or conservation easements have been acquired and recorded in favor of the approved recipient(s). The project owner, or an approved third party, shall complete and provide written verification of the proposed	X	X		9/15/2010	Under Review; Revised June 2011	10/4/2010, Rev 1 June 2011		

Biological Resources	BIO-17 (Continued)	3rd Party Administrative Costs (Land Cost x 10%)6 $ 358,200.00 Agency cost to accept land donation7 (Land Cost x 15%) x 1.17 (17% of the 15% for overhead) $ 628,641.00 SUBTOTAL - Acquisition and Initial Site Work $ 7,084,341.00 Long-term Management and Maintenance Fund (LTMM) fee at $1450/acre 8 $ 5,193,900.00 NFWF Fees Establish Project Specific Account $ 12,000.00 NFWF Management fee[9] for Acquisition and Enhancement Actions (Subtotal x 3%) $ 212,530.23 NFWF Management Fee for LTMM account (LTMM x 1%) $ 51,939.00 Subtotal of NFWF Fees $ 276,469.23 TOTAL Estimated cost for deposit in project specific REAT-NFWF Account $ 12,554,710.23 acquisition of 7,164 acres of compensation lands and maintenance of fencing and habitat enhancements shall include the following: 1. Responsibility for Acquisition of Lands: The project owner may delegate its responsibility for acquisition of compensation lands to a third party, such as a non-governmental organization supportive of Mojave Desert habitat conservation. Such delegation shall be subject to approval in writing by the CPM, in consultation with BLM, CDFG and USFWS, prior to land acquisition, enhancement or management activities. If habitat disturbance exceeds that described in this analysis, the project owner shall be responsible for funding acquisition, habitat improvements and long-term management of additional compensation lands or additional funds required to compensate for any additional habitat disturbances. Additional funds shall be based on the adjusted market value of compensation lands at the time of construction to acquire and manage habitat. Water and mineral rights shall be included as part of the land acquisition. Agreements to delegate land acquisition to CDFG or an approved third party and to manage compensation lands shall be implemented within 18 months of the Energy Commission's decision. 2. Selection Criteria for Compensation Lands. The compensation lands selected for acquisition shall: a. be as close to the project site as possible; b. provide good quality habitat for desert tortoise with capacity to regenerate naturally when disturbances are removed; c. be near larger blocks of lands that are either already protected or planned for protection, or which could feasibly be protected long-term by a public resource agency or a non-governmental organization dedicated to habitat preservation; d. be connected to lands currently occupied by desert tortoise, ideally with populations that are stable, recovering, or likely to recover; e. not have a history of intensive recreational use or other disturbance that might make habitat recovery and restoration infeasible; f. not be characterized by high densities of invasive species, either on or immediately adjacent to the parcels under consideration, that might jeopardize habitat recovery and restoration, and g. not contain hazardous wastes. 3. Review and Approval of Compensation Lands Prior to Acquisition. A minimum of three months prior to acquisition of the property, the project owner shall submit a formal acquisition proposal to the CPM, CDFG, USFWS and BLM describing the parcel(s) intended for purchase. This acquisition proposal shall	If the project owner elects to satisfy its mitigation obligations by paying an in-lieu fee instead of acquiring compensation lands, pursuant to Fish and Game code sections 2069 and 2099 or any other applicable in-lieu fee provision, the Project owner shall notify the Commission that it would like a determination that the Project's in-lieu fee proposal meets CEQA and CESA requirements. No more than 60 days prior to ground-disturbing project activities, the project owner shall provide to the CPM for review and approval a PAR or PAR-like analysis to establish the appropriate amount for the long-term maintenance fee to fund maintenance of the proposed enhancement actions (desert tortoise exclusion fencing and DWMA route restoration). No more than 30 days prior to ground-disturbing project activities, the project owner shall deposit the long-term maintenance fee to the REAT-NFWF account or another third-party recipient approved by the CPM in consultation with CDFG. Starting with the first year following construction and continuing for the duration of project impacts, the project owner shall provide to the CPM and CDFG an annual report describing: the results of the annual inspection of fencing and rehabilitated routes; a summary of fence repairs and maintenance of reclaimed routes completed during the year; and recommendations and a cost estimate for repairs and maintenance activities needed for the upcoming year. If the project owner elects to satisfy its mitigation obligations by paying an in-lieu fee instead of acquiring compensation lands, pursuant to Fish and Game code sections 2069 and 2099 or any other applicable in-lieu fee provision, the Project owner shall notify the Commission that it would like a determination that the Project's in-lieu fee proposal meets CEQA and CESA requirements.	X	X		9/15/2010	Under Review; Revised June 2011	10/4/2010, Rev 1 June 2011		
Biological Resources	BIO-17 (Continued)	4. Energy Commission Compensation Land Mitigation Security The project owner shall provide financial assurances to the CPM and CDFG with copies of the document(s) to BLM and the USFWS, to guarantee that an adequate level of funding is available to implement the mitigation requirements described in this condition (Condition of Certification BIO-17). The CPM funds shall use the Security solely for implementation of the mitigation measures associated with the project in the event the mitigation is not provided as required in this condition. The Security may be in the form of an irrevocable letter of credit, a pledged savings account or another form of security ("Security") approved by the CPM. Security must be provided to the CPM prior to initiating ground-disturbing project activities. Prior to submittal to the CPM, the Security shall be approved by the CPM. The Security estimates described below and in Biological Resources Table 1 (Estimate of Total Security), Table 2 (Estimate of Phase 1Security), and Table 3 (Estimate of Phase 2 Security) are based on the most current guidance from the REAT agencies (Desert Renewable Energy REAT Biological Resource Compensation/Mitigation Cost Estimate Breakdown for use with the REAT-NFWF Mitigation Account, July 23, 2010) and may be revised with updated information. [These tables are new text to the PMPD but are not marked as such for ease of reading.] The Security shall be provided in conformance with one of the following two options or a combination of the two options if approved by the CPM: a. Project Owner Acquisition of Compensation Lands - If the project owner is locating, acquiring and protecting compensation landsitself, the project owner shall provide the CPM with Security in the estimated amount of $33,183,648 prior to initiating any grounddisturbingproject-related activities; if the project owner elects toconstruct the project in two phases in accordance with Condition of Certification BIO-22, the project owner shall provide Security in the amount of $11,876,448 prior to initiating any grounddisturbing activities associated with Phase 1, and shall provide Security in the amount of $21,307,200 prior to initiating any ground-disturbing activities associated with Phase 2; or b. Deposit of Funds to a NFWF Account – If the project owner elects to comply with mitigation requirements by funding NFWF's implementation of the project's mitigation, the project owner shall deposit funds in the estimated amount of $33,909,523 to the NFWF Account; if the project owner elects to construct the project in two phases in accordance with Condition of Certification BIO-22, the project owner shall deposit funds in the amount of $12,163,207prior to initiating any ground-disturbing activities associated with Phase 1, and shall provide Security in the amount of $21,788,316 prior to initiating any grounddisturbing activities associated	See above sections	X	X		9/15/2010	Under Review; Revised June 2011	10/4/2010, Rev 1 June 2011		

Biological Resources	BIO-17 (Continued)	5. Compensation Lands Acquisition Conditions The project owner shall comply with the following conditions relating to acquisition of the Energy Commission compensation lands after the CDFG and the CPM, in consultation with BLM, CDFG and the USFWS, have approved the proposed compensation lands and received Security as applicable and as described above. a. Preliminary Report: The project owner, or approved third party, shall provide a recent preliminary title report, initial hazardous materials survey report, biological analysis, and other necessary documents for the proposed 7,164 acres. All documents conveying or conserving compensation lands and all conditions of title/easement are subject to a field review and approval by CDFG and the CPM, in consultation with BLM and the USFWS, California Department of General Services and, if applicable, the Fish and Game Commission and/or the Wildlife Conservation Board. b. Title/Conveyance: The project owner shall transfer fee title or a conservation easement to the 7,164 acres of compensation lands to CDFG under terms approved by the CPM and CDFG. Alternatively, a non-profit organization qualified to manage compensation lands (pursuant to California Government Code section 65965) and approved by the CPM in consultation with CDFG may hold fee title or a conservation easement over the habitat mitigation lands. If the approved non-profit organization holds title, a conservation easement shall be recorded in favor of CDFG in a form approved by CDFG and CPM. If the approved non-profit holds a conservation easement, CDFG or another designee of the CPM shall be named a third party beneficiary. If a Security is provided, the project owner or an approved third party shalltcomplete the proposed compensation lands acquisition within 18 months of the start of project ground-disturbing activities. c. Initial Habitat Improvement Fund. The project owner shall fund the initial protection and habitat improvement of the 7,164 acres. Alternatively, a non-profit organization may hold the habitat improvement funds if they are qualified to manage the compensation lands (pursuant to California Government Code section 65965) and if they meet the approval the CPM in consultation with CDFG. If CDFG takes fee title to the compensation lands, the habitat improvement fund must go to CDFG. d. Long-term Management Maintenance Fund. Prior to ground-disturbing project activities, the project owner shall provide to CDFG a nonwasting capital endowment in the amount determined through the Property Analysis Record (PAR) or PAR-like analysis that will beconducted for the 7,164 acres. Alternatively, a non-profit organization may hold the long-term management and maintenance fees if they are qualified to manage the compensation lands (pursuant to California Government Code section 65965) and if they meet the approval of the CPM in consultation with CDFG. If CDFG takes fee title to the compensation lands, the long-term management and maintenance fee must go to CDFG, where it will be held in the special deposit fund established pursuant to California Government Code section 16370. If the special deposit fund is not used to manage the long-term management and maintenance fund, the California Wildlife Foundation or similarly approved entity identified by CDFG shall manage the long-term management and maintenance	See above sections	X	X		9/15/2010	Under Review; Revised June 2011	10/4/2010, Rev 1 June 2011		
Biological Resources	BIO-17 (Continued)	e. Interest, Principal, and Pooling of Funds. The project owner and the CPM in consultation with the CDFG, shall ensure that an agreement is in place with the long-term management and maintenance fund holder/manager to ensure the following conditions: • Interest. Interest generated from the initial capital endowment shall be available for reinvestment into the principal and for the long-term operation, management, and protection of the approved compensation lands, including reasonable administrative overhead, biological monitoring, improvements to carrying capacity, law enforcement measures, and any other action approved by CDFG designed to protect or improve the habitat values of the compensation lands. •Withdrawal of Principal. The long-term management and maintenance fund principal shall not be drawn upon unless such withdrawal is deemed to ensure the continued viability of the species on the 7,164 acres. • Pooling Long-Term Management and Maintenance Funds. CDFG, or a CPM approved non-profit organization qualified to hold long-term management and maintenance fund pursuant to California Government Code section 65965, may pool the long-term management and maintenance fund with other such funds for the operation, management, and protection of the 7,164 acres for local populations of desert tortoise. However, for reporting purposes, the long-term management and maintenance fund must be tracked and reported individually to the CDFG and CPM. • Reimbursement Fund. The project owner shall provide reimbursement to the CPM, CDFG or an approved third party for reasonable expenses incurred during title, easement, and documentation review; expenses incurred from other state or state approved federal agency reviews; and overhead related to providing compensation lands. The project owner is responsible for all compensation lands acquisition/easement costs, including but not limited to, title and document review costs, as well as expenses incurred from other state agency reviews and overhead related to providing compensation lands to the department or approved third party; escrowfees or costs; environmental contaminants clearance; and other site cleanup measures. 6. Long-term Maintenance of Fencing and Habitat Restoration. In addition to the funding described above for the acquisition, enhancement and management of the Energy Commission compensation lands, the Project owner shall provide sufficient funds to ensure that long-term management and maintenance is provided for the habitat improvements required by BLM for the ISEGS project, including fencing of roads in the Northeastern Mojave Recovery Unit, and habitat restoration of routes in the Desert Wildlife Management Area. The maintenance shall occur as long as the roads continue to operate as functional roadways and for the duration of project impacts. This long-term maintenance fee shall be calculated upon completion of a Property Analysis Record (PAR) or PAR-like analysis of the proposed enhancement actions, and shall be sufficient to fund annual inspections and repairs/maintenance of all fencing and habitat improvements completed as part of the BLM mitigation requirements for the ISEGS project. The Project owner may choose to satisfy its mitigation obligations identified in this Decision by paying	See above sections	X	X		9/15/2010	Under Review; Revised June 2011	10/4/2010, Rev 1 June 2011		

Biological Resources	BIO-18	The project owner shall implement the following measures to avoid and minimize impacts to special-status plant species. Items 2, 3, 5, 6, 7, 10, and 11 are recommended exclusively by Energy Commission staff. 1. On-Site Plant Avoidance/Minimization Areas: To the extent feasible the project owner shall avoid and minimize disturbance to all special-status plant species within the project site. Impact avoidance (i.e., protection from project-related impacts of any kind through removal of acreage from the project footprint) and impact minimization efforts shall occur in all feasible locations. Impact avoidance shall focus on areas that support the highest density and diversity of special-status plant species and shall remove, at a minimum, the three areas totaling 476 acres and labeled "Rare Plant Mitigation Area" in **Project Description Figure 13** from the project footprint. The natural gas pipeline shall be aligned and narrowed to avoid special-status plant occurrences north of Ivanpah 3 as depicted in **Project Description Figure 13**. Impact minimization shall be conducted throughout the site. Impact minimization within the solar field shall consist of protecting small perimeters ("halos"): Mojave milkweed, desert pincushion, and Rusby's desert-mallow plants as indicated in the applicant's January 2010 draft plan (Exhibit 81, Appendix B). 2. Protection Goals : The project owner shall implement all feasible measures to protect 75 percent of the individuals of Mojave milkweed, Rusby's desert-mallow, desert pincushion, nine-awned pappus grass, and Parish's club-cholla within the project area (as mapped in Figure 5-3 of the applicant's final botanical survey report [CH2M Hill 2008x]). Each year during construction the measurement of percent protection achieved shall be calculated based on a comparison of numbers of individuals of each of these five species present in this area identified before construction compared to numbers remaining post-construction These pre- and postconstruction plant numbers shall be based on floristic surveys conducted by a qualified botanist. 3. Identify and Establish Special-Status Plant Protection Areas: The project owner shall identify Special-Status Plant Protection Areas for exclusion from the project footprint and avoidance of project-related impacts of any kind to facilitate achieving the 75 % protection goal. To accurately identify the boundaries of these areas, pre-construction floristic surveys shall be conducted by a qualified botanist at the appropriate time of year for special-status plant identification including both spring and summer/fall blooming periods. Summer/fall surveys will be conducted after rains that are likely to cause plant germination and my be suspended in years where no such rains occurs. The surveys shall encompass at a minimum the three areas totalling 476 acres and labelled "Rare Plant Mitigation Area" in **Project Description Figure 13** and shall extend 150 feet on both sides of the proposed gas pipeline alignment and 250 feet out from the project fenceline. The locations of the Special-Status Plant	No less than 30 days following the publication of the Energy Commission Decision (ECD) the owner shall submit final maps and design drawings depicting the location of Special-Status Plant Protection Areas (SSPPA) within and adjacent to the project site, and shall identify the species and numbers of plants within each of the SSPPAs. No less than 30 days following publication of ECD owner shall submit draft versions of the SSPP & Monitoring Plan, the SSPA Remedial Action Plan, the Seed Collection Plan, and the Gas Pipeline Revegetation Monitoring Plan for review by the CPM, BLM's AA, and CDFG. The owner shall also provide a cost estimate for implementation of these plans which is subject to approval by the CPM, BLM's AA, and the CDFG. The final plans shall be submitted for approval by the CPM, in consultation with BLM's AA, CDFG, and CNPS within 90 days of the publication of the Commission Decision. The final plans shall be incorporated into the BRMIMP. At this time, the owner shall also provide security sufficient to fund the implementation of the plans. Within 30 days of the start of construction, the owner shall submit copies of the contract with the CPM-approved seed contractor and the check for seed collection and curation fees to the CPM. The project owner shall identify special-status plants occurrences within 250 feet of the project fence line during the pre-construction plant surveys described above. A qualified botanist shall delineate the boundaries of these special status plant occurrences at least 30 days prior to the initiation of ground disturbing activities. On January 31st of each year following construction the owner's qualified botanist shall submit a report, including CNDDB field survey forms, describing results of off-site plant surveys for Mojave milkweed and Rusby's desert-mallow to the BLM's authorized officer, the CPM, CDFG, and CNDDB. Submittal of survey reports shall continue for a maximum of 10 years until the same number of occurrences in the project area excluding the occurrences of Special-Status Plant Protection Areas. The project owner's qualified botanist shall submit a completion report documenting fulfillment of target goals & which describe the number of new, previously undiscovered occurrences identified & mapped using GIS techniques for each species. Mapping results shall include GPS coordinates of the plants found. The DB shall maintain written & photographic records of the tasks described above, and summaries of these records shall be submitted along with the MCR to the CPM, BLM AA, and CDFG.	X	X	X	6/18/10 Gas Pipeline Plan 11/1/2010 SS Plant Plan 11/10/2010 SS Plant Remedial Action Plan (Seed Collection Plan included)	Approved	7/2/2010 (Gas Pipeline Plan) 11/1/2010 SS Plant Plan 11/10/2010 SS Plant Remedial Action Plan (Seed Collection Plan included)		
Biological Resources	BIO-18 (continued)	4. Protection of Adjacent Occurrences: The project owner shall identify special-status plants occurrences within 250 feet of the project fenceline during the pre-construction plant surveys described above. A qualified botanist shall delineate the boundaries of these special status plant occurrences prior to the initiation of ground disturbing activities. These flagged special status plant occurrences shall be designated as Environmentally Sensitive Areas on plans and specifications, and shall be protected from accidental impacts during construction (e.g. vehicle traffic, temporary placement of soils or vegetation) and from theindirect impacts of project operation (e.g., herbicide spraying, changes in upstream hydrology, etc). 5. Develop and Implement a Special-Status Plant Protection and Monitoring Plan: The project owner shall develop and implement a Special-Status Plant Protection and Monitoring Plan for special-status plants occurring within the Special-Status Plant Protection Areas and on-site areas designated for impact minimization. The goal of the Special-Status Plant Protection and Monitoring Plan shall be to maintain the special-status plant species as healthy, reproductive populations that can be sustained in perpetuity. At a minimum, the Special-Status Plant Protection and Monitoring Plan shall: • establish baseline conditions and numbers of the plant occurrences in all protected areas (i.e., those to be excluded from the footprint and on-site ares to be protected) and success standards for protection of pecial-status plant occurrences; • provide information about microhabitat preferences and fecundity, essential pollinators, reproductive biology, and propagation and culture requirements for each special-status species; • describe measures (e.g., fencing, signage) to avoid direct construction and operation impacts to special-status plants within all protected areas; • describe measures to avoid or minimize indirect construction and operations impacts to special-status plants within protected areas (e.g., runoff from mirror-washing, use of soil stabilizers/tackifiers, alterations of hydrology from drainage diversions, erosion/sedimentation from disturbed soils upslope, herbicide drift, the spread of non-native plants, etc). • provide a monitoring schedule and plan for assessing the numbers and condition of special-status plants; and • identify specific triggers for remedial action (e.g., numbers of plants dropping below a threshold);	No less than 30 days following the publication of the Energy Commission Decision (ECD) the owner shall submit final maps and design drawings depicting the location of Special-Status Plant Protection Areas (SSPPA) within and adjacent to the project site, and shall identify the species and numbers of plants within each of the SSPPAs. No less than 30 days following publication of ECD owner shall submit draft versions of the SSPP & Monitoring Plan, the SSPA Remedial Action Plan, the Seed Collection Plan, and the Gas Pipeline Revegetation Monitoring Plan for review by the CPM, BLM's AA, and CDFG. The owner shall also provide a cost estimate for implementation of these plans which is subject to approval by the CPM, BLM's AA, and the CDFG. The final plans shall be submitted for approval by the CPM, in consultation with BLM's AA, CDFG, and CNPS within 90 days of the publication of the Commission Decision. The final plans shall be incorporated into the BRMIMP. At this time, the owner shall also provide security sufficient to fund the implementation of the plans. Within 30 days of the start of construction, the owner shall submit copies of the contract with the CPM-approved seed contractor and the check for seed collection and curation fees to the CPM. The project owner shall identify special-status plants occurrences within 250 feet of the project fence line during the pre-construction plant surveys described above. A qualified botanist shall delineate the boundaries of these special status plant occurrences at least 30 days prior to the initiation of ground disturbing activities. On January 31st of each year following construction the owner's qualified botanist shall submit a report, including CNDDB field survey forms, describing results of off-site plant surveys for Mojave milkweed and Rusby's desert-mallow to the BLM's authorized officer, the CPM, CDFG, and CNDDB. Submittal of survey reports shall continue for a maximum of 10 years until the same number of occurrences in the project area excluding the occurrences of Special-Status Plant Protection Areas. The project owner's qualified botanist shall submit a completion report documenting fulfillment of target goals & which describe the number of new, previously undiscovered occurrences identified & mapped using GIS techniques for each species. Mapping results shall include GPS coordinates of the plants found. The DB shall maintain written & photographic records of the tasks described above, and summaries of these records shall be submitted along with the MCR to the CPM, BLM AA, and CDFG. During operation, the DB shall submit record summaries in the Annual Compliance Report for a period not < 10	X	X	X	6/18/10 Gas Pipeline Plan 11/1/2010 SS Plant Plan 11/10/2010 SS Plant Remedial Action Plan (Seed Collection Plan included)	Approved	7/2/2010 (Gas Pipeline Plan) 11/1/2010 SS Plant Plan 11/10/2010 SS Plant Remedial Action Plan (Seed Collection Plan included)		

Biological Resources	BIO-18 (continued)	6. Develop Special-Status Plant Remedial Action Plan: The project owner shall develop a detailed Special-Status Plant Remedial Action Plan to be implemented if special-status plants within the 476 acres of protected area and on-site minimization "halos" fail to meet success standards described in the Special-Status Plant Protection and Monitoring Plan. The Plant Remedial Action Plan shall include specifications for ex-situ/offsite conservation of seed and other propagules, and the seed bank and other symbionts contained in the topsoil where these plants occur. The remedial measures described in the Plant Remedial Action Plan shall not substitute for plant protection or other mitigation measures. The Special-Status Plant Remedial Action Plan shall include, at a minimum: • guidelines for pre-construction seed collection (and/or other propagules) for each species; • specifications for collecting, storing, and preserving the upper layer of soil containing seed and important soil organisms; • detailed replacement planting program with biologically meaningful quantitative and qualitative success criteria (see Pavlik 1996), monitoring specifications, and triggers for remedial action; and • ecological specifications for suitable planting sites. 7. Seed Collection : Implementation of the Special-Status Plant Remedial Action Plan would require a source of local source of seeds/propagules. In addition, seed collection would serve to preserve germplasm in the event that all mitigation fails. The project owner shall develop and implement a Seed Collection Plan to collect and store seed for Mojave milkweed, Rusby's desert-mallow, desert pincushion, nine-awned pappus grass, and Parish's club-cholla. The source of these seeds shall be from plants proposed for removal within the project footprint. The project owner shall engage the services of a qualified contractor approved by the CPM to undertake seed collection and storage. 8. Gas Pipeline Revegetation and Monitoring: In the natural gas pipeline construction corridor where disturbed soils will be revegetated, the topsoil excavated shall be segregated, kept intact, and protected, under conditionsshown to sustain seed bank viability. At a minimum, the top 2 cm of the soil shall be separately stored and preserved. Topsoil salvage, storing, and replacement shall be replaced in its original	No less than 30 days following the publication of the Energy Commission Decision (ECD) the owner shall submit final maps and design drawings depicting the location of Special-Status Plant Protection Areas (SSPPA) within and adjacent to the project site, and shall identify the species and numbers of plants within each of the SSPPAs. No less than 30 days following publication of ECD owner shall submit draft versions of the SSPP & Monitoring Plan, the SSPA Remedial Action Plan, the Seed Collection Plan, and the Gas Pipeline Revegetation Monitoring Plan for review by the CPM, BLM's AA, and CDFG. The owner shall also provide a cost estimate for implementation of these plans which is subject to approval by the CPM, BLM's AA, and the CDFG. The final plans shall be submitted for approval by the CPM, in consultation with BLM's AA, CDFG, and CNPS within 90 days of the publication of the Commission Decision. The final plans shall be incorporated into the BRMIMP. At this time, the owner shall also provide security sufficient to fund the implementation of the plans. Within 30 days of the start of construction, the owner shall submit copies of the contract with the CPM-approved seed contractor and the check for seed collection and curation fees to the CPM. The project owner shall identify special-status plants occurrences within 250 feet of the project fence line during the pre-construction plant surveys described above. A qualified botanist shall delineate the boundaries of these special status plant occurrences at least 30 days prior to the initiation of ground disturbing activities. On January 31st of each year following construction the owner's qualified botanist shall submit a report, including CNDDB field survey forms, describing results of off-site plant surveys for Mojave milkweed and Rusby's desert-mallow to the BLM's authorized officer, the CPM, CDFG, and CNDDB. Submittal of survey reports shall continue for a maximum of 10 years until the same number of occurrences in the project area excluding the occurrences of Special-Status Plant Protection Areas. The project owner's qualified botanist shall submit a completion report documenting fulfillment of target goals & which describe the number of new, previously undiscovered occurrences identified & mapped using GIS techniques for each species. Mapping results shall include GPS coordinates of the plants found. The DB shall maintain written & photographic records of the tasks described above, and summaries of these records shall be submitted along with the MCR to the CPM, BLM AA, and CDFG. During operation, the DB shall submit record summaries in the Annual Compliance Report for a period not < 10	X	X	X	6/18/10 Gas Pipeline Plan 11/1/2010 SS Plant Plan 11/10/2010 SS Plant Remedial Action Plan (Seed Collection Plan included)	Approved	7/2/2010 (Gas Pipeline Plan) 11/1/2010 SS Plant Plan 11/10/2010 SS Plant Remedial Action Plan (Seed Collection Plan included)		
Biological Resources	BIO-18 (continued)	9. Surveys on Acquired and Public Lands: The project owner shall conduct floristic surveys for Rusby's desert-mallow and Mojave milkweed on all lands that will be acquired as part of the desert tortoise compensatory mitigation requirements (see Condition of Certification BIO-17). The goal of the surveys shall be to identify at least the same number of occurrences on off-site compensation or public lands as the number of occurrences in the project area excluding the occurrences in the Special-Status Plant Protection Areas in **Project Description Figure 13**. If this goal is not met by surveys on proposed acquisition lands, additional surveys shall be conducted within suitable habitat on public lands. To be counted toward fulfillment of the goal the occurrences must reflect new data not previously documented in other survey efforts. The survey requirements shall include the following: • All surveys shall be conducted by a qualified botanist in accordance with BLM, CDFG, and CNPS plant survey guidelines; • Surveys shall occur the first spring after construction begins and continue each year for a maximum of ten years until the same number of Mojave Milkweed and Rusby's desert-mallow occurrences are identified on acquisition lands and/or public lands as located outside Special-Status Plant Protection Areas; • For each year surveys are conducted yearly survey results shall be provided to the CPM, BLM's Authorized Officer and CDFG, and shall include CNDDB field survey forms for all special-status plant species encountered during the surveys; and • All field survey forms shall be submitted to the CNDDB at the time of submittal to the CPM, BLM and CDFG; and • The project owner's qualified botanist shall submit a completion report documenting fulfillment of the target goals and which describe the number of new, previously undiscovered occurrences identified and mapped. Locations shall be reported with GPS coordinates compatible with inclusion in a GIS database. 10. Security for Implementation of Plans : The project owner shall provide security adequate to fund implementation of the Special-Status Plant Protection and Monitoring Plan, the the Special-Status Plant Remedial Action Plan for the life of the project, as well as the Seed Collection Plan, and the Gas Pipeline Revegetation Monitoring Plan. 11. Acquire Off-Site Occurrence of Mojave Milkweed or Adjacent Land: The project owner shall acquire, in fee or in easement, a parcel or parcels of land that includes at least 30 acres supporting a viable occurrence of Mojave milkweed (or suitable habitat adjacent to a known occurrence). The terms and conditions of this acquisition or easement shall be as described in Condition of Certification BIO-17with the additional criteria that the Mojave milkweed mitigation lands: 1) provide habitat for the special-status plant species that is of similar or better quality (e.g., in terms of native	No less than 30 days following the publication of the Energy Commission Decision (ECD) the owner shall submit final maps and design drawings depicting the location of Special-Status Plant Protection Areas (SSPPA) within and adjacent to the project site, and shall identify the species and numbers of plants within each of the SSPPAs. No less than 30 days following publication of ECD owner shall submit draft versions of the SSPP & Monitoring Plan, the SSPA Remedial Action Plan, the Seed Collection Plan, and the Gas Pipeline Revegetation Monitoring Plan for review by the CPM, BLM's AA, and CDFG. The owner shall also provide a cost estimate for implementation of these plans which is subject to approval by the CPM, BLM's AA, and the CDFG. The final plans shall be submitted for approval by the CPM, in consultation with BLM's AA, CDFG, and CNPS within 90 days of the publication of the Commission Decision. The final plans shall be incorporated into the BRMIMP. At this time, the owner shall also provide security sufficient to fund the implementation of the plans. Within 30 days of the start of construction, the owner shall submit copies of the contract with the CPM-approved seed contractor and the check for seed collection and curation fees to the CPM. The project owner shall identify special-status plants occurrences within 250 feet of the project fence line during the pre-construction plant surveys described above. A qualified botanist shall delineate the boundaries of these special status plant occurrences at least 30 days prior to the initiation of ground disturbing activities. On January 31st of each year following construction the owner's qualified botanist shall submit a report, including CNDDB field survey forms, describing results of off-site plant surveys for Mojave milkweed and Rusby's desert-mallow to the BLM's authorized officer, the CPM, CDFG, and CNDDB. Submittal of survey reports shall continue for a maximum of 10 years until the same number of occurrences in the project area excluding the occurrences of Special-Status Plant Protection Areas. The project owner's qualified botanist shall submit a completion report documenting fulfillment of target goals & which describe the number of new, previously undiscovered occurrences identified & mapped using GIS techniques for each species. Mapping results shall include GPS coordinates of the plants found. The DB shall maintain written & photographic records of the tasks described above, and summaries of these records shall be submitted along with the MCR to the CPM, BLM AA, and CDFG. During operation, the DB shall submit record summaries in the Annual Compliance Report for	X	X	X	6/18/10 Gas Pipeline Plan 11/1/2010 SS Plant Plan 11/10/2010 SS Plant Remedial Action Plan (Seed Collection Plan included)	Approved	7/2/2010 (Gas Pipeline Plan) 11/1/2010 SS Plant Plan 11/10/2010 SS Plant Remedial Action Plan (Seed Collection Plan included)		
Biological Resources	BIO-19	To compensate for project impacts to Nelson's bighorn sheep the project owner shall finance, construct and manage an artificial water source in the eastern part of the Clark Mountain range or in the State Line Hills outside of designated Wilderness. The project owner shall monitor and control noxious and invasive weeds within 100 feet of the artificial water source. Control of weeds shall be coordinated with the CPM and BLM staff and shall consist of removal by mechanical methods, rather than herbicides. To minimize potential impacts to Nelson bighorn sheep, the project owner shall not use barbed wire fence on the northern perimeter of the Ivanpah 3 site, unless the project owner provides evidence that such fencing is essential for security reasons.	Within 60 days of publication of the Energy Commission Decision the project owner shall submit to the BLM's Authorized Officer, the CPM and CDFG a Draft Bighorn Sheep Mitigation Plan identifying a proposed location for the artificial water source and providing plans for its construction and management. At least 60 days prior to start of any project-related ground disturbance activities, the project owner shall provide BLM's Authorized Officer and the CPM with the final version of the Bighorn Sheep Mitigation Plan that has been reviewed and approved by the CPM. BLM, and CDFG, ~~and the Energy Commission staff~~. BLM's Authorized Officer and the CPM will determine the plan's acceptability within 30 days of receipt of the final plan. No later than 18 months following the publication of the Energy Commission Decision, the project owner shall provide written verification to BLM's Authorized Officer and the CPM that the construction of the artificial water source has been completed. At the same time, the project owner shall provide evidence of an agreement (Memorandum of Understanding) and a funding mechanism to provide ongoing maintenance of the water source by CDFG or some other party approved by BLM's Authorized Office and the CPM.	X	X		7/12/2010	Revision in progress	7/30/2010		

Biological Resources	BIO-20	The project owner shall implement the following measures to avoid, minimize and mitigate for impacts to ephemeral drainages: 1. Acquire Off-Site Desert Wash: The project owner shall acquire, in fee or in easement, a parcel or parcels of land that includes ephemeral washes with at least 175 acres of state jurisdictional waters. The terms and conditions of this acquisition or easement shall be as described in Condition of Certification BIO-17 with the additional criteria that the desert wash mitigation lands: 1) include at least 175 acres of state jurisdictional waters; 2) be characterized by similar soil permeability, hydrological and biological functions as the impacted drainages; and 3) be within the same watershed as the impacted wash. The desert wash mitigation lands may be included with the desert tortoise mitigation lands ONLY if the above three criteria are met. 2. Security for Implementation of Mitigation: A security in the form of an irrevocable letter of credit, pledged savings account, or certificate of deposit for the amount of all mitigation measures pursuant to this condition of certification shall be submitted to, and approved by, the CPM, in consultation with CDFG, prior to commencing project activities within areas of CDFG jurisdiction. This amount shall be based on a cost estimate which shall be submitted to CDFG for review and to the CPM for approval within 60 days of the Energy Commission Decision's publication and prior to commencing project activities within areas of CDFG jurisdiction. Estimated security for acquisition of compensation lands for state waters is $540,400. If the project owner elects to construct the project in two phases in accordance with Condition of Certification BIO-22, the project owner shall provide Security in the amount of $179,104 prior to initiating any ground-disturbing activities associated with Phase 1, and shall provide Security in the amount of $361,296 prior to initiating any ground-disturbing activities associated with Phase 2. The security shall be approved by the CPM, in consultation with CDFG's legal advisors, prior toits execution, and shall allow the CPM at its discretion to recover funds immediately if the CPM, inconsultation with CDFG, determines there has been a default. 3. Preparation of Management Plan: The project owner shall submit to Energy Commission CPM and CDFG a draft Management Plan that reflects site-specific enhancement measures for the drainages	No less than 90 days prior to acquisition of the parcel (s) containing 175 acres of waters of the state, the project owner, or a third-party approved by the CPM, in consultation with CDFG, shall submit a formal acquisition proposal to the CPM and CDFG describing the parcel(s) intended for purchase. Draft agreements to delegate land acquisition to CDFG or an approved third party and agreements to manage compensation lands shall be submitted to Energy Commission staff for review and approval (in consultation with CDFG) prior to land acquisition. Such agreements shall be mutually approved and executed at least 60 days prior to start of any project-related ground disturbance activities. The project owner shall provide written verification to the CPM that the compensation lands have been acquired and recorded in favor of the approved recipient(s). Alternatively, before beginning project ground disturbing activities, the project owner shall provide Security in accordance with this condition. Within 90 days after the land purchase, as determined by the date on the title, the project owner shall provide the CPM with a management plan for review and approval, in consultation with CDFG, for the compensation lands and associated funds. No fewer than 30 days prior to the start of work potentially affecting waters of the state, the project owner shall provide written verification (i.e., through incorporation into the BRMIMP) to the CPM that the above best management practices will be implemented and provide a discussion of work in waters of the state in Compliance Reports for the duration of the project.		X		2011	Submitted	Submitted JD to CDFG, CEC, RWQCB, and BLM on 6/8/2011		
Biological Resources	BIO-20 (Continued)	4. Right of Access and Review for Compliance Monitoring: The CPM reserves the right to enter the project site or allow CDFG to enter the project site at any time to ensure compliance with these conditions. The project owner herein grants to the CPM and to CDFG employees and/or their representatives the right to enter the project site at any time, to ensure compliance with the terms and conditions and/or to determine the impacts of storm events, maintenance activities, or other actions that might affect the restoration and revegetation efforts. The CPM and CDFG may, at the CPM's discretion, review relevant documents maintained by the operator, interview the operator's employees and agents, inspect the work site, and take other actions to assess compliance with or effectiveness of mitigation measures. 5. Notification: The project owner shall notify the CPM and CDFG, in writing, at least five days prior to initiation of project activities in jurisdictional areas as noted and at least five days prior to completion of project activities in jurisdictional areas. The project owner shall notify the CPM and CDFG of any change of conditions to the project, the jurisdictional impacts, or the mitigation efforts, if the conditions at the site of a proposed project change in a manner which changes risk to biological resources that may be substantially adversely affected by the proposed project. The notifying report shall be provided to the CPM and CDFG no later than seven days after the change of conditions is identified. As used here, change of condition refers to the process, procedures, and methods of operation of a project; the biological and physical characteristics of a project area; or the laws or regulations pertinent to the project as defined below.	No less than 90 days prior to acquisition of the parcel (s) containing 175 acres of waters of the state, the project owner, or a third-party approved by the CPM, in consultation with CDFG, shall submit a formal acquisition proposal to the CPM and CDFG describing the parcel(s) intended for purchase. Draft agreements to delegate land acquisition to CDFG or an approved third party and agreements to manage compensation lands shall be submitted to Energy Commission staff for review and approval (in consultation with CDFG) prior to land acquisition. Such agreements shall be mutually approved and executed at least 60 days prior to start of any project-related ground disturbance activities. The project owner shall provide written verification to the CPM that the compensation lands have been acquired and recorded in favor of the approved recipient(s). Alternatively, before beginning project ground disturbing activities, the project owner shall provide Security in accordance with this condition. Within 90 days after the land purchase, as determined by the date on the title, the project owner shall provide the CPM with a management plan for review and approval, in consultation with CDFG, for the compensation lands and associated funds. No fewer than 30 days prior to the start of work potentially affecting waters of the state, the project owner shall provide written verification (i.e., through incorporation into the BRMIMP) to the CPM that the above best management practices will be implemented and provide a discussion of work in waters of the state in Compliance Reports for the duration of the project.		X		2011	Submitted	Submitted JD to CDFG, CEC, RWQCB, and BLM on 6/8/2011		
Biological Resources	BIO-20 (Continued)	b. Physical Conditions: a change in physical conditions includes, but is not limited to, the following: 1) a change in the morphology of a river, stream, or lake, such as the lowering of a bed or scouring of a bank, or changes in stream form and configuration caused by storm events; 2) the movement of a river or stream channel to a different location; 3) a reduction of or other change in vegetation on the bed, channel, or bank of a drainage, or 4) changes to the hydrologic regime such as fluctuations in the timing or volume of water flows in a river or stream. c. Legal Conditions: a change in legal conditions includes, but is not limited to, a change in Regulations, Statutory Law, a Judicial or Court decision, or the listing of a species, the status of which has changed to endangered, rare, or threatened, as defined in section 15380 of Title 14 of the California Code of Regulations. 6. Code of Regulations: The project owner shall provide a copy of the Streambed Impact Minimization and Compensation Measures from the Energy Commission Decision to all contractors, subcontractors, and the applicant's project supervisors. Copies shall be readily available at work sites at all times during periods of active work and must be presented to any CDFG personnel or personnel from another agency upon demand. The CPM reserves the right to issue a stop work order or allow CDFG to issue a stop work order after giving notice to the project owner, the CPM, if the CPM in consultation with CDFG, determines that the project owner has breached any of the terms or conditions or for other reasons, including but not limited to the following: a. The information provided by the applicant regarding streambed alteration is incomplete or inaccurate; b. New information becomes available that was not known to it in preparing the terms and conditions; c. The project or project activities as described in the Final Staff Assessment have changed; or d. The conditions affecting biological resources changed or the CPM, in consultation with CDFG, determines that project activities will result in a substantial adverse effect on the environment. 7. Best Management Practices: The project owner shall also comply with the following conditions: a. The project owner shall minimize road building, construction activities and vegetation clearing within ephemeral drainages to the extent feasible. b. The project owner shall not allow water containing mud, silt, or other pollutants from grading, aggregate washing, or other activities to enter ephemeral drainages or be placed in locations that may be subjected to high storm flows	No less than 90 days prior to acquisition of the parcel (s) containing 175 acres of waters of the state, the project owner, or a third-party approved by the CPM, in consultation with CDFG, shall submit a formal acquisition proposal to the CPM and CDFG describing the parcel(s) intended for purchase. Draft agreements to delegate land acquisition to CDFG or an approved third party and agreements to manage compensation lands shall be submitted to Energy Commission staff for review and approval (in consultation with CDFG) prior to land acquisition. Such agreements shall be mutually approved and executed at least 60 days prior to start of any project-related ground disturbance activities. The project owner shall provide written verification to the CPM that the compensation lands have been acquired and recorded in favor of the approved recipient(s). Alternatively, before beginning project ground disturbing activities, the project owner shall provide Security in accordance with this condition. Within 90 days after the land purchase, as determined by the date on the title, the project owner shall provide the CPM with a management plan for review and approval, in consultation with CDFG, for the compensation lands and associated funds. No fewer than 30 days prior to the start of work potentially affecting waters of the state, the project owner shall provide written verification (i.e., through incorporation into the BRMIMP) to the CPM that the above best management practices will be implemented and provide a discussion of work in waters of the state in Compliance Reports for the duration of the project.		X		2011	Submitted	Submitted JD to CDFG, CEC, RWQCB, and BLM on 6/8/2011		

Biological Resources	BIO-20 (Continued)	e. Raw cement/concrete or washings thereof, asphalt, paint or other coating material, oil or other petroleum products, or any other substances that could be hazardous to vegetation or wildlife resources, resulting from project-related activities, shall be prevented from contaminating the soil and/or entering waters of the state. These materials, placed within or where they may enter a drainage or Ivanpah Dry Lake, by project owner or any party working under contract or with the permission of the project owner shall be removed immediately. f. No broken concrete, debris, soil, silt, sand, bark, slash, sawdust, rubbish, cement or concrete or washings thereof, oil or petroleum products or other organic or earthen material from any construction or associated activity of whatever nature shall be allowed to enter into, or placed where it may be washed by rainfall or runoff into, waters of the state. g. When operations are completed, any excess materials or debris shall be removed from the work area. No rubbish shall be deposited within 150 feet of the high water mark of any drainage. **h. No equipment maintenance shall occur within 150 feet of any ephemeral drainage where petroleum products** **or other pollutants from the equipment may enter these areas under any flow.**	No less than 90 days prior to acquisition of the parcel (s) containing 175 acres of waters of the state, the project owner, or a third-party approved by the CPM, in consultation with CDFG, shall submit a formal acquisition proposal to the CPM and CDFG describing the parcel(s) intended for purchase. Draft agreements to delegate land acquisition to CDFG or an approved third party and agreements to manage compensation lands shall be submitted to Energy Commission staff for review and approval (in consultation with CDFG) prior to land acquisition. Such agreements shall be mutually approved and executed at least 60 days prior to start of any project-related ground disturbance activities. The project owner shall provide written verification to the CPM that the compensation lands have been acquired and recorded in favor of the approved recipient(s). Alternatively, before beginning project ground disturbing activities, the project owner shall provide Security in accordance with this condition. Within 90 days after the land purchase, as determined by the date on the title, the project owner shall provide the CPM with a management plan for review and approval, in consultation with CDFG, for the compensation lands and associated funds. No fewer than 30 days prior to the start of work potentially affecting waters of the state, the project owner shall provide written verification (i.e., through incorporation into the BRMIMP) to the CPM that the above best management practices will be implemented and provide a discussion of work in waters of the state in Compliance Reports for the duration of the project.		X		2011	Submitted	Submitted JD to CDFG, CEC, RWQCB, and BLM on 6/8/2011		
Biological Resources	BIO-21-BLM	The applicant shall consult with USFWS, BLM, and CFGD to obtain lists of special status plant species (i.e., Federally listed species, candidate specie, BLM sensitive, and California state listed species) that have the potential for occurrence on the project area based on the current distribution of the species, habitat associations, and previously documented occurrences of the species within the project area. Based on these species' lists provided by these agencies, the BLM shall consider whether further field surveys shall be conducted during the appropriate season and within suitable habitat in the Project area utilizing survey protocols appropriate for the species' of interest. If special status plant species occurrences are identified, the preferred mitigation would consist of avoidance, whenever practical. If not feasible for special status species, off-site mitigation would be negotiated with the BLM. **Effectiveness:** This measure would be highly effective in collecting appropriate special status plant species data, if federal and state agencies indicate a reasonable probability of occurrences within the project area. Avoidance would protect the plants during construction, but operational activities may alter the	No Verification: see Effectiveness		X		2011	Submitted	Submitted letter to BLM, CDFG, and FWS on 6/1/2011	6/13/2011 BLM stated no new special status plants since ROD	
Biological Resources	BIO-21-CEC	The Project owner shall prepare and implement an Avian and Bat Monitoring and Management Plan (Plan) to monitor death and injury of birds and bats from collisions with facility features including the solar receiver tower and reflective heliostat mirrors, and exposure to bright light and heat from concentrating sunlight. The Project owner shall use the monitoring data to inform and develop an adaptive management program that would avoid and minimize Project-related avian or bat impacts. Any Project-related bird or bat deaths or injuries shall be reported to the CPM, CDFG and USFWS, and then the CPM in consultation with CDFG and USFWS, shall then determine if the Project-related bird or bat deaths or injuries warrant implementation of adaptive management measures contained in the Plan. The study design for the Plan shall be approved by the CPM in consultation with CDFG and USFWS, and, once approved, shall be incorporated into the project's BRMIMP and implemented. During construction, bird and bat deaths or injuries shall be reported in the Monthly Compliance Report. For one year following the beginning of power plant operation, the Designated Biologist shall submit quarterly reports to the CPM, CDFG, and USFWS. describing the results of monitoring. The monthly and quarterly reports shall provide a detailed description of any Project-related bird or bat deaths or injuries detected during the monitoring study or at any other time, including describing the dates, species found injured or dead, where found, expected cause of injury or death, other appropriate results of monitoring, and a	No less than 30 days prior to the start of construction of the power tower the Project owner shall submit to the CPM, USFWS and CDFG a final Avian and Bat Monitoring and Management Plan. Modifications to the Plan shall be made only after approval from the CPM in consultation with CDFG and USFWS. No later than January 31st of every year the Annual Report shall be provided to the CPM, CDFG, and USFWS. Quarterly reporting shall continue until the CPM, in consultation with CDFG and USFWS determine whether more years of monitoring are needed, and whether mitigation and adaptive management measures are necessary. After two years of data collection, the project owner or contractor shall prepare a report that describes the study design and monitoring results of the Avian and Bat Monitoring and Management Plan. The report shall be submitted to the CPM, CDFG and USFWS no later than the third year after onset of Project operation.	X	X	X	2011	Submitted	Draft Submitted Sept 2010; Revision 1 Submitted October 2010; Revision 2 Submitted May 2011; Revision 1 Submitted October 2010; Revision 3 Submitted February 2012		

Biological Resources	BIO-22-BLM	The applicant shall prepare a MBTA Conservation Agreement in coordination with the USFWS, BLM, and CFGD. This Plan would identify procedures to minimize or eliminate impacts to MBTA species. Procedures may include, but are not limited to, pre-construction clearing and grading outside of breeding seasons, enforceable timing restrictions and identification of permissible activities within a prescribed distance from active nests, survey protocols for raptors and MBTA species, buffer zones around active nests, monitoring and reporting requirements. The MBTA Conservation Agreement may also require monetary compensation or land acquisition. The MBTA Conservation Agreement would need the approval of the agencies prior to initiating surface disturbance activities. **Effectiveness:** This mitigation measure would be moderately to highly effective in reducing impacts to MBTA species, depending on the details of the Conservation Agreement. The MBTA Conservation Agreement would ensure that the project did not result in a net loss of migratory birds	No Verification: see Effectiveness		X		2011	Submitted	Draft Submitted Sept 2010; Revision 1 Submitted October 2010; Revision 2 Submitted May 2011; Revision 3 Submitted February 2012		
Biological Resources	BIO-22-CEC	As an alternative to providing mitigation or security for compensatory mitigation for the entire project prior to the start of the first grounddisturbing activities, the project owner may elect to provide security for compensatory mitigation in two phases as specified in this condition. Only the phases identified as Phase 1 and Phase 2, as described in this condition, and as provided by the applicant on September 2, 2010 in their Comments on the Presiding Member's Proposed Decision, may be used for the phasing of mitigation and security requirements. To the extent those sources are found to contain conflicting information about Project phasing, the description in this condition shall control. This condition presumes that the phases identified in this condition are identical to the phases that the Bureau of Land Management (BLM) will authorize work on through issuance of "notices to proceed"; if phases used by BLM are not identical to the phases as described in this condition and the materials identified above, the project owner shall obtain separate written authorization from the CPM prior to beginning work on each of the two phases. In no event shall any project disturbance occur unless security has been provided for the required mitigation associated with the particular phase of construction. For purposes of this condition: "Project Disturbance" or "ground disturbance" means any project related ground, habitat, or species disturbing action. "Project Disturbance Area" or "ground disturbance area" means all areas that would be temporarily or permanently disturbed during construction or operation of the Project, including all linear facilities, or which would be subject to any project-related ground, habitat, or species disturbing action. "Project construction" or "construction" means any ground-disturbing activity, including but not limited to construction work, site mobilization, fence construction, or any desert tortoise translocation activities. "Security" means the security that is required under other biological conditions of certification to ensure required mitigation measures will beimplemented, or payments by the project owner into the National Fish and Wildlife Foundation (NFWF) mitigation account in accordance with the option provided in other	Prior to the start of desert tortoise clearance surveys for each phase, the Project owner shall submit a description of the proposed construction activities for that phase to CDFG, USFWS and BLM for review and to the CPM for review and approval. The description for each phase shall include the proposed construction schedule, a figure depicting the locations of proposed construction and number of acres of desert tortoise habitat, rare plant habitat, and state-jurisdictional streambeds to be disturbed. If all mitigation requirements, including habitat acquisition and protection, are not completed for a Project phase prior to the start of ground-disturbing activities for that phase, the Project Owner shall provide verification to the CPM and CDFG that approved security as described in Conditions of Certification BIO-17 (Desert Tortoise Compensatory Mitigation), BIO-18 (Special-Status Plant Impact Avoidance and Minimization), and BIO-20 (Streambed Impact Minimization and Compensation Measures) has been established in accordance with these Conditions of Certification prior to beginning ground-disturbing activities for each Phase. Prior to submitting verification regarding the security to the CPM, the project owner shall obtain the CPM's written approval of the dollar amount and form of the security and the CPM's written approval of the terms governing the security instrument. Prior to initiating construction in each phase of the Project, the project owner shall comply with all pre-construction requirements in this and other Conditions of Certification and shall notify the CPM that it has obtained a Notice to Proceed for the particular phase from the BLM. The Project Owner shall provide written verification to the CPM, CDFG, BLM and USFWS of the compensation lands acquisition, protection, and transfer requirements and satisfaction of associated funding requirements as set forth in BIO-17, BIO-18 and BIO-20 within the following time frames: (1) For Phase 1 mitigation, verification shall be provided no later than 18 months after the start of		X		2011	Phase 1 and Phase 2 securities paid, Land Acquisition in progress	Rev. 2 submitted 6/28/2011		

Biological Resources	BIO-22-CEC (continued)	Phase 2 includes the following components (2,300 acres): a. Construct Ivanpah 2 – Consists of the diagonal access roads, perimeter road for fence, channel crossings as needed, and solar field including grading of approximately 90 acres in the southwest and central regions of the solar field area; b. Construct Ivanpah 3 - Consists of the diagonal access roads, perimeter road for fence, channel crossings as needed, power block, and solar field including grading of approximately 120 acres in the southern and western regions of the solar field area; c. Other external features including roads and gas line. Phase 2 would include 2,300 acres of desert tortoise mitigation, as well as 20 of the 30 acres of rare plant mitigation, and 117 of the 175 acres of state waters mitigation. General Requirements At no time may the project owner cause ground-disturbance to any location outside of the area that has been approved for construction according to the phasing plan identified in this Condition of Certification. Prior to initiating construction in either phase of the Project, the project owner shall comply with all pre-construction requirements in this and other Conditions of Certification and shall notify the CPM that it has obtained a Notice to Proceed for the particular phase from the BLM. Construction activities, including work on linear and non-linear features, shall not occur outside desert tortoise exclusion areas that have been fenced and cleared in accordance with USFWS protocols and as described in Condition of Certification BIO-8 (Desert Tortoise Clearance and Exclusion Fencing). The project owner shall provide security to ensure implementation of the mitigation requirements in Conditions of Certification BIO-17 (Desert Tortoise Compensatory Mitigation), BIO-18 (Special-Status Plant Impact Avoidance and Minimization) and BIO-20 (Streambed Impact Minimization and Compensation Measures) for each of the two phases prior to any project construction associated with that phase. Phasing of security only applies to security required by	Prior to the start of desert tortoise clearance surveys for each phase, the Project owner shall submit a description of the proposed construction activities for that phase to CDFG, USFWS and BLM for review and to the CPM for review and approval. The description for each phase shall include the proposed construction schedule, a figure depicting the locations of proposed construction and number of acres of desert tortoise habitat, rare plant habitat, and state-jurisdictional streambeds to be disturbed. If all mitigation requirements, including habitat acquisition and protection, are not completed for a Project phase prior to the start of ground-disturbing activities for that phase, the Project Owner shall provide verification to the CPM and CDFG that approved security as described in Conditions of Certification BIO-17 (Desert Tortoise Compensatory Mitigation), BIO-18 (Special-Status Plant Impact Avoidance and Minimization), and BIO-20 (Streambed Impact Minimization and Compensation Measures) has been established in accordance with these Conditions of Certification prior to beginning ground-disturbing activities for each Phase. Prior to submitting verification regarding the security to the CPM, the project owner shall obtain the CPM's written approval of the dollar amount and form of the security and the CPM's written approval of the terms governing the security instrument. Prior to initiating construction in each phase of the Project, the project owner shall comply with all pre-construction requirements in this and other Conditions of Certification and shall notify the CPM that it has obtained a Notice to Proceed for the particular phase from the BLM. The Project Owner shall provide written verification to the CPM, CDFG, BLM and USFWS of the compensation lands acquisition, protection, and transfer requirements and satisfaction of associated funding requirements as set forth in BIO-17, BIO-18 and BIO-20 within the following time frames: (1) For Phase 1 mitigation, verification shall be provided no later than 18 months after the start of		X		2011	Phase 1 and Phase 2 securities paid, Land Acquisition in progress	Rev. 2 submitted 6/28/2011		
Biological Resources	BIO-22-CEC (continued)	Even when security has been provided, the project owner shall complete the acquisition, protection and transfer of all compensation lands required in the conditions of certification listed above, as well as all funding requirements associated with those lands, within the time periods identified in those conditions of certification. Additional requirements within the project's conditions of certification that are not expressly phased in this condition shall be phased as necessary to carry out the purpose of this condition, and to ensure that no project construction occurs in an area for which the project owner has not provided security and obtained permission to begin construction. Examples may include such activities as construction and location of desert tortoise exclusion fencing or timing of preconstruction clearance surveys for other species. The project owner shall first obtain approval from the CPM, acting in consultation with BLM, CDFG and USFWS, for the phasing of any requirements or deadlines that are not expressly phased in conditions of certification. Security for phased construction shall be in the amounts as specified in Conditions of Certification BIO-17, -18 and -20, and may be adjusted by the CPM in consultation with DFG, BLM and USFWS based upon more accurate information provided by the project owner confirming the acreages described in this table, and on updates from the REAT agencies with more current guidance than the Desert Renewable Energy REAT Biological Resource Compensation/Mitigation Cost Estimate Breakdown for use with the REAT-NFWF Mitigation Account, July 23, 2010.	Prior to the start of desert tortoise clearance surveys for each phase, the Project owner shall submit a description of the proposed construction activities for that phase to CDFG, USFWS and BLM for review and to the CPM for review and approval. The description for each phase shall include the proposed construction schedule, a figure depicting the locations of proposed construction and number of acres of desert tortoise habitat, rare plant habitat, and state-jurisdictional streambeds to be disturbed. If all mitigation requirements, including habitat acquisition and protection, are not completed for a Project phase prior to the start of ground-disturbing activities for that phase, the Project Owner shall provide verification to the CPM and CDFG that approved security as described in Conditions of Certification BIO-17 (Desert Tortoise Compensatory Mitigation), BIO-18 (Special-Status Plant Impact Avoidance and Minimization), and BIO-20 (Streambed Impact Minimization and Compensation Measures) has been established in accordance with these Conditions of Certification prior to beginning ground-disturbing activities for each Phase. Prior to submitting verification regarding the security to the CPM, the project owner shall obtain the CPM's written approval of the dollar amount and form of the security and the CPM's written approval of the terms governing the security instrument. Prior to initiating construction in each phase of the Project, the project owner shall comply with all pre-construction requirements in this and other Conditions of Certification and shall notify the CPM that it has obtained a Notice to Proceed for the particular phase from the BLM. The Project Owner shall provide written verification to the CPM, CDFG, BLM and USFWS of the compensation lands acquisition, protection, and transfer requirements and satisfaction of associated funding requirements as set forth in BIO-17, BIO-18 and BIO-20 within the following time frames: (1) For Phase 1 mitigation, verification shall be provided no later than 18 months after the start of construction of Phase 1, and (2) for Phase 2 mitigation, such verification shall be provided no later than 18 months after the start of construction of Phase 2. Other verification, notification and reporting requirements and other deadlines set forth in BIO-17, BIO-18 and BIO-20 that relate		X		2011	Phase 1 and Phase 2 securities paid, Land Acquisition in progress	Rev. 2 submitted 6/28/2011		
Biological Resources	BIO-23- BLM	The applicant shall conduct visual biweekly surveys for bird and bat mortalities throughout the project site. In addition to the photo documentation of bird mortalities (Item #14 in BIO-11), mortalities and injuries to bats and other wildlife shall be photo documented. Additionally, data would document the species affected and any overt signs of injury resulting in death (e.g., scorched feathers). This information would be compiled and provided to the BLM on quarterly intervals for the first three years, then annually thereafter, unless otherwise requested by the BLM. This data would add to the understanding of impacts of solar facilities on avian and bat species. BLM would maintain the authority to require additional mitigation of the applicant in the future to reduce collision or heat-related injuries. **Effectiveness:** This mitigation would be highly effective in documenting avian and bat mortalities associated with the operation of the facility. If sufficient data are gathered to support the need for additional mitigation, the mitigation may ultimately be effective in reducing avian and bat injuries and mortalities if an	No Verification: see Effectiveness		X	X	As needed	Ongoing			
Biological Resources	BIO-24-BLM	To minimize potential impacts to Nelson bighorn sheep, the applicant shall not use barbed wire fence on the northern perimeter of the Ivanpah 3 site, unless required for security reasons. **Effectiveness:** This mitigation would be moderately effective in reducing injuries to bighorn sheep as they forage near the project site or use the area north of the project area for a movement corridor. This mitigation would not be enforced if the mitigation posed a reasonable security threat	No Verification: see Effectiveness		X		2011	Complete			

Biological Resources	BIO-25-BLM	The applicant shall monitor and control noxious and invasive weeds within 100 feet of the artificial water source. Control of weeds shall be coordinated with the BLM staff and shall consist of removal by mechanical methods, rather than herbicides. **Effectiveness**: This mitigation measure would be moderately effective in controlling noxious and invasive weeds near the artificial water source, providing better access to the site by big game.	No Verification: see Effectiveness		X	X	N/A	Ongoing			
Biological Resources	BIO-26-BLM	The applicant shall implement all mitigation identified by the USFWS in the Biological Opinion. **Effectiveness:** This measure would be highly effective in ensuring mitigation within the USFWS' Biological Opinion was implemented.	No Verification: see Effectiveness		X		N/A	Ongoing			
Biological Resources	BIO-27-BLM	The project owner shall implement the Closure, Revegetation, and Rehabilitation Plan, Revision 3, dated July 6, 2010, with the following modifications. 1. The long-term soil stockpiles, as discussed in Table 5-2 of the plan, will be no higher than 6 feet high. 2. The Preliminary Seeding Plan for Short-Term Disturbed Areas, and to be used as the basis for the seeding during final project decommissioning, will be based upon the species list provided in Table 7-1 of the plan, rather than the species list in Table 7-2. The list may be modified at the time of decommissioning based on seed availability. 3. Concrete will be removed to a minimum depth of 6 feet unless it is shown that a particular area is prone to flood hazards and a greater depth for concrete removal should be required. All concrete removed shall be hauled off the project site and disposed of in an approved facility. Crushed concrete will not be used as backfill on the site during decommissioning. 4. Succulents salvaged during project construction will not be sold by the applicant. Should excess succulents be removed that connot be transplanted in the Succulent Nursery Area, their disposition will be managed by BLM. **Effectiveness:** This measure modifies Revision 3 of the Closure, Revegetation, and Rehabilitation Plan	No Verification: see Effectiveness		X		TBD	Not yet started			
Biological Resources	BIO-28-BLM	Compliance with Eagle Act. USFWS has notified BLM that due to the proximity of known occupied golden eagle territories, and that the effects of power towers on bald and golden eagles is unknown, this project has the potential to take an eagle. Due to the distance of the project site to known eagle territories, available mitigation measures (some of which are already described in other measures identified in this section), and habitat compensation associated with other species (i.e. desert tortoise), USFWS believes that this project can reach the "no net loss" standard for golden eagles identified in the Eagle Act Rule if the applicant submits and implements an Avian Protection Plan. The holder shall submit an Avian Protection Plan for approval of the Authorized Officer within 6 months of the issuance of any ROW grant for the project. The Avian Protection Plan must be implemented within one year from the date of any ROW grant Notice to Proceed.	No Verification: see Avian Protection Plan submittal		X		2011	Submitted	Draft Submitted Sept 2010; Revision 1 Submitted October 2010; Revision 2 Submitted May 2011		
Facility Design	CIVIL-1	The project owner shall submit to the CBO for review and approval the following: 1. Design of the proposed drainage structures and the grading plan; 2. An erosion and sedimentation control plan; 3. Related calculations and specifications, signed and stamped by the responsible civil engineer; and 4. Soils, geotechnical, or foundation investigations reports required by the 2007 CBC, Appendix J, section J104.3, Soils Report, and Chapter 18, section 1802.2, Foundation and Soils Investigation	At least 15 days (or within a project owner- and CBO-approved alternative time frame) prior to the start of site grading, the project owner shall submit the documents described above to the CBO for design review and approval. In the next monthly compliance report following the CBO's approval, the project owner shall submit a written statement certifying that the documents have been approved by the CBO.	X			40382	Approved	7/23/2010	9/8/2010	
Facility Design	CIVIL-2	The resident engineer shall, if appropriate, stop all earthwork and construction in the affected areas when the responsible soils engineer, geotechnical engineer, or the civil engineer experienced and knowledgeable in the practice of soils engineering identifies unforeseen adverse soil or geologic conditions. The project owner shall submit modified plans, specifications, and calculations to the CBO based on these new conditions. The project owner shall obtain approval from the CBO before resuming earthwork and construction in the affected area (2007 CBC, Appendix Chapter 1, section 114, Stop Work Orders).	The project owner shall notify BLM's Authorized Officer and the CPM within 24 hours, when earthwork and construction is stopped as a result of unforeseen adverse geologic/soil conditions. Within 24 hours of the CBO's approval to resume earthwork and construction in the affected areas, the project owner shall provide to BLM's Authorized Officer and the CPM a copy of the CBO's approval.		X		As needed	As needed			
Facility Design	CIVIL-3	The project owner shall perform inspections in accordance with the 2007 CBC, Appendix Chapter 1, section 109, Inspections, and Chapter 17, section 1704, Special Inspections. All plant site-grading operations, for which a grading permit is required, shall be subject to inspection by the CBO. If, in the course of inspection, it is discovered that the work is not being performed in accordance with the approved plans, the discrepancies shall be reported immediately to the resident engineer, the CBO, BLM's Authorized Officer and the CPM (2007 CBC, Chapter 17, section 1704.1.2, Report Requirements). The project owner shall prepare a written report, with copies to the CBO, BLM's Authorized Officer and the CPM, detailing all discrepancies, non-compliance items, and the proposed corrective action.	Within 5 days of the discovery of any discrepancies, the resident engineer shall transmit to the CBO, BLM's Authorized Officer and the CPM a nonconformance report (NCR) and the proposed corrective action for review and approval. Within 5 days of resolution of the NCR, the project owner shall submit the details of the corrective action to the CBO, BLM's Authorized Officer and the CPM. A list of NCRs for the reporting month shall also be included in the following monthly compliance report.		X		As needed	As needed			
Facility Design	CIVIL-4	After completion of finished grading and erosion and sedimentation control and drainage work, the project owner shall obtain the CBO's approval of the final grading plans (including final changes) for the erosion and sedimentation control work. The civil engineer shall state that the work within his/her area of responsibility was done in accordance with the final approved plans (2007 CBC, Chapter 17, section 1703.2, Written Approval).	Within 30 days (or a project owner- and CBO-approved alternative time frame) of the completion of the erosion and sediment control mitigation and drainage work, the project owner shall submit to the CBO, for review and approval, the final grading plans (including final changes) and the responsible civil engineer's signed statement that the installation of the facilities and all erosion control measures were completed in accordance with the final approved combined grading plans and that the facilities are adequate for their intended purposes, along with a copy of the transmittal letter to BLM's Authorized Officer and the CPM. The project owner shall submit a copy of the CBO's approval to BLM's Authorized Officer and the CPM in the next monthly compliance report.		X		2012	Not yet started			
Compliance Conditions	COMP-01	**Unrestricted Access:** BLM's Authorized Officer, responsible BLM staff, the CPM, responsible Energy Commission staff, and delegated agencies or consultants shall be guaranteed and granted unrestricted access to the power plant site, related facilities, project-related staff, and the records maintained on-site, for the purpose of conducting audits, surveys, inspections, or general site visits. Although BLM's Authorized Officer and the CPM will normally schedule site visits on dates and times agreeable to the project owner, BLM's Authorized Officer and the CPM reserve the right to make unannounced visits at anytime.			X	X	N/A	N/A			
Compliance Conditions	COMP-02	**Compliance Record**: The project owner shall maintain project files on-site or at an alternative site approved by BLM's Authorized Officer and the CPM for the life of the project, unless a lesser period of time is specified by the conditions of certification. The files shall contain copies of all "as-built" drawings, documents submitted as verification for conditions, and other project-related documents. As-built drawings of all facilities including linear facilities shall be provided to the BLM Authorized Officer for inclusion in the BLM administrative record within 90-days of completion of that portion of the facility or project. BLM and Energy Commission staff and delegate agencies shall, upon request to the project owner, be given unrestricted access to the files maintained pursuant to this condition.			X	X	N/A	N/A			

Compliance Conditions	COMP-03	**Compliance Verification Submittals:** Each condition of certification is followed by a means of verification. The verification describes the Energy Commission's procedure(s) to ensure post-certification compliance with adopted conditions. The verification procedures, unlike the conditions, may be modified as necessary by BLM's Authorized Officer and the CPM. Verification of compliance with the conditions of certification can be accomplished by the following: 1. Monthly and/or annual compliance reports, timely filed by the project owner or authorized agent, reporting on work done and providing pertinent documentation, as required by the specific conditions of certification; 2. Appropriate letters from delegate agencies verifying compliance; 3. BLM and Energy Commission staff audits of project records; and/or 4. BLM and Energy Commission staff inspections of work, or other evidence that the requirements are satisfied. Verification lead times associated with start of construction may require the project owner to file submittals during the certification process, particularly if construction is planned to commence shortly after certification. A cover letter from the project owner or authorized agent is required for all compliance submittals and correspondence pertaining to compliance matters. The cover letter subject line shall identify the project			X	X	N/A	N/A			
Compliance Conditions	COMP-03 (Continued)	The project owner is responsible for the delivery and content of all verification submittals to the BLM's Authorized Officer and CPM, whether such condition was satisfied by work performed by the project owner or an agent of the project owner. All hardcopy submittals shall be addressed to each of the following: BLM's Authorized Officer (CACA-48668, 49502, 49503, and 49504) U.S. Bureau of Land Management 1303 South Highway 95 Needles, CA 92363 Compliance Project Manager (07-AFC-5C) California Energy Commission 1516 Ninth Street (MS-2000) Sacramento, CA 95814 Those submittals shall be accompanied by a searchable electronic copy, on a CD or by e-mail, as agreed upon by BLM's Authorized Officer and the CPM. If the project owner desires BLM and/or Energy Commission staff action by a specific date, that request shall be made in the submittal cover letter and shall include a detailed explanation of the effects on the project if that date is not met.			X	X	N/A	N/A			
Compliance Conditions	COMP-04	**Pre-construction Matrix and Tasks Prior to Start of Construction:** Prior to commencing construction, a compliance matrix addressing only those conditions that must be fulfilled before the start of construction shall be submitted by the project owner to BLM's Authorized Officer and the CPM. This matrix will be included with the project owner's first compliance submittal or prior to the first pre-construction meeting, whichever comes first. It will be submitted in the same format as the compliance matrix described below. In order to begin any on-site mobilization or surface disturbing activities on public land, the BLM Authorized Officer must approve a written Notice to Proceed (NTP). NTPs will be phased as appropriate to facilitate timely implementation of construction. Construction shall not commence until the pre-construction matrix is submitted, all preconstruction conditions have been complied with, and BLM's Authorized Officer and the CPM have issued a letter and BLM has issued a NTP to the project owner authorizing construction. Various lead times for submittal of compliance verification documents to BLM's Authorized Officer and the CPM for conditions of certification are established to allow sufficient BLM and Energy Commission staff time to review and comment and, if necessary, allow the project owner to revise the submittal in a timely manner. This will ensure that project construction may proceed according to schedule. Failure to submit compliance documents within the specified lead-time may result in delays in authorization to commence various stages of project development. If the project owner anticipates commencing project construction as soon as the project is certified, it may be necessary for the project owner to file compliance submittals prior to project certification. Compliance submittals should be completed in advance where the necessary lead time for a required compliance event extends beyond the date anticipated for start of construction. The project owner must understand that the submittal of compliance documents prior to project certification is at the owner's own risk. Any approval by Energy Commission staff is subject to change, based upon BLM's ROW Grant and the Energy Commission Decision. Compliance Reporting There are two different compliance reports that the project owner must submit to assist BLM's Authorized Officer and the CPM in tracking activities and monitoring compliance with the terms and conditions of BLM's ROW Grant and the Energy Commission Decision. During construction,		X			5/14/2010 (draft) 6/4/2010 (final)	Approved	5/14/2010 (draft) 6/4/2010 (final)	9/2/2010	
Compliance Conditions	COMP-05	**Compliance Matrix:** A compliance matrix shall be submitted by the project owner to BLM's Authorized Officer and the CPM along with each monthly and annual compliance report. The compliance matrix is intended to provide BLM's Authorized Officer and the CPM with the current status of all conditions of certification in a spreadsheet format. The compliance matrix must identify: 1. the technical area; 2. the condition number; 3. a brief description of the verification action or submittal required by the condition; 4. the date the submittal is required (e.g., 60 days prior to construction, after final inspection, etc.); 5. the expected or actual submittal date; 6. the date a submittal or action was approved by the Chief Building Official (CBO), BLM's Authorized Officer, CPM, or delegate agency, if applicable; and 7. the compliance status of each condition, e.g., "not started," "in progress" or "completed" (include the date). 8. if the condition was amended, the date of the amendment. Satisfied conditions shall be placed at the end of the matrix.		X	X		40436	Approved	8/11/2010	9/2/2010	

Compliance Conditions	COMP-06	**Monthly Compliance Report:** Commission business meeting date upon which the project was approved, unless otherwise agreed to by BLM's Authorized Officer and the CPM. The first Monthly Compliance Report shall include the AFC number and an initial list of dates for each of the events identified on the Key Events List. The Key Events List Form is found at the end of this section. During pre-construction and construction of each power plant, the project owner or authorized agent shall submit an original and an electronic searchable version of the Monthly Compliance Report within 10 working days after the end of each reporting month. Monthly Compliance Reports shall be clearly identified for the month being reported. The reports shall contain, at a minimum: 1. A summary of the current project construction status, a revised/updated schedule if there are significant delays, and an explanation of any significant changes to the schedule; 2. Documents required by specific conditions to be submitted along with the Monthly Compliance Report. Each of these items must be identified in the transmittal letter, as well as the conditions they satisfy and submitted as attachments to the Monthly Compliance Report; 3. An initial, and thereafter updated, compliance matrix showing the status of all conditions of certification (fully satisfied conditions do not need to be included in the matrix after they have been reported as completed); 4. A list of conditions that have been satisfied during the reporting period, and a description or reference to the actions that satisfied the condition; 5. A list of any submittal deadlines that were missed, accompanied by an explanation and an estimate of when the information will be provided; 6. A cumulative listing of any approved changes to conditions of certification; 7. A listing of any filings submitted to, or permits issued by, other governmental agencies during the month; 8. A projection of project compliance activities scheduled during the next two months. The project owner shall notify BLM's Authorized Officer and the CPM as soon as any changes are made to the project			X		Monthly	Ongoing			
Compliance Conditions	COMP-07	**Annual Compliance Report:** After construction of each power plant is complete or when a power plant goes into commercial operation, the project owner shall submit Annual Compliance Reports instead of Monthly Compliance Reports. The reports are for each year of commercial operation and are due to BLM's Authorized Officer and the CPM each year at a date agreed to by BLM's Authorized Officer and the CPM. Annual Compliance Reports shall be submitted over the life of the project unless otherwise specified by BLM's Authorized Officer and the CPM. Each Annual Compliance Report shall include the AFC number, identify the reporting period and shall contain the following: 1. An updated compliance matrix showing the status of all conditions of certification (fully satisfied conditions do not need to be included in the matrix after they have been reported as completed); 2. A summary of the current project operating status and an explanation of any significant changes to facility operations during the year; 3. Documents required by specific conditions to be submitted along with the Annual Compliance Report. Each of these items must be identified in the transmittal letter, with the condition it satisfies, and submitted as attachments to the Annual Compliance Report; 4. A cumulative listing of all post-certification changes by the Energy Commission or changes to the BLM ROW grant or approved POD by BLM , or cleared by BLM's Authorized Officer and the CPM; 5. An explanation for any submittal deadlines that were missed, accompanied by an estimate of when the information will be provided; 6. A listing of filings submitted to, or permits issued by, other governmental agencies during the year; 7. A projection of project compliance activities scheduled during the next year;				X	Annually	Ongoing			
Compliance Conditions	COMP-08	**Confidential Information:** Any information that the project owner deems confidential shall be submitted to the Energy Commission's Dockets Unit with an application for confidentiality pursuant to Title 20, California Code of Regulations, section 2505(a). Any information that is determined to be confidential shall be kept confidential as provided for in Title 20, California Code of Regulations, section 2501 et. seq. Any information the ROW holder deems confidential shall be submitted to the BLM Authorized Officer with a written request for said confidentiality along with a justification for the request. All confidential submissions to BLM should be clearly stamped "proprietary information"		X	X	X	N/A	N/A			
Compliance Conditions	COMP-09	**Annual Facility Compliance Fee:** Pursuant to the provisions of Section 25806(b) of the Public Resources Code, the project owner is required to pay the Energy Commission an annual compliance fee, which is adjusted annually. The amount of the fee for FY2009-2010 was $19,823. The initial payment is due on the date the Energy Commission adopts the final decision. You will be notified of the amount due. All subsequent payments are due by July 1 of each year in which the facility retains its certification. The payment instrument shall be made payable to the California Energy Commission and mailed to: Accounting Office MS-02, California Energy Commission, 1516			X	X	Annually	Ongoing			
Compliance Conditions	COMP-10	**Reports of Complaints, Notices, and Citations:** Prior to the start of construction, the project owner must send a letter to property owners living within one mile of the project notifying them of a telephone number to contact project representatives with questions, complaints or concerns. If the telephone is not staffed 24 hours per day, it shall include automatic answering with date and time stamp recording. All recorded complaints shall be responded to within 24 hours. The telephone number shall be posted at the project site and made easily visible to passersby during construction and operation. The telephone number shall be provided to BLM's Authorized Officer and the CPM who will post it on the Energy Commission's web page at: http://www.energy.ca.gov/sitingcases/power_plants_contacts.html Any changes to the telephone number shall be submitted immediately to BLM's Authorized Officer and the CPM, who will update the web page. In addition to the monthly and annual compliance reporting requirements described above, the project owner shall report and provide copies to BLM's Authorized Officer and the CPM of all complaint forms, including noise and lighting complaints, notices of violation, notices of fines, official warnings, and citations, within 10 days of receipt. Complaints shall be logged and numbered. Noise complaints shall be recorded on the form		X			10/7/2010	Approved	10/7/2010	10/7/2010	

Compliance Conditions	COMP-10 (Continued)	**FACILITY CLOSURE** At some point in the future, the project will cease operation and close down. At that time, it will be necessary to implement the Closure, Revegetation and Restoration Plan to ensure that the closure occurs in such a way that public health and safety and the environment are protected from adverse impacts. Although the project setting for this project does not appear, at this time, to present any special or unusual closure problems, it is impossible to foresee what the situation will be in 30 years or more when the project ceases operation. Therefore, provisions must be made that provide the flexibility to deal with the specific situation and project setting that exist at the time of closure. Laws, Ordinances, Regulations and Standards (LORS) pertaining to facility closure are identified in the sections dealing with each technical area. Facility closure will be consistent with LORS in effect at the time of closure. Closure would be conducted in accordance with Condition of Certification BIO-14 that requires the project owner to develop and implement a Closure, Revegetation and Rehabilitation Plan. There are at least three circumstances in which a facility closure can take place: planned closure, unplanned temporary closure and unplanned permanent closure. **CLOSURE DEFINITIONS** **Planned Closure** A planned closure occurs when the facility is closed in an anticipated, orderly manner, at the end of its useful economic or mechanical life, or due to gradual obsolescence. **Unplanned Temporary Closure** An unplanned temporary closure occurs when the facility is closed suddenly and/or unexpectedly, on a short-term basis, due to unforeseen circumstances such as a natural disaster or an emergency. Short-term is defined as cessation of construction activities or operations of a power plant for a period less than 6 months long. Cessation of construction of operations for a period longer than 6 months in considered a permanent closure.		X			10/7/2010	Approved	10/7/2010	10/7/2010	
Compliance Conditions	COMP-11	**Planned Closure:** In order to ensure that a planned facility closure does not create adverse impacts, a closure process that provides for careful consideration of available options and applicable laws, ordinances, regulations, standards, and local/regional plans in existence at the time of closure, will be undertaken. To ensure adequate review of a planned project closure, the project owner shall submit a revision or update to the approved Closure, Revegetation and Rehabilitation Plan to BLM and the Energy Commission for review and approval at least 12 months (or other period of time agreed to by BLM's Authorized Officer and the CPM) prior to commencement of closure activities. The project owner shall file 50 copies and 50 CDs with the Energy Commission and 10 copies and 10 CDs with BLM (or other number of copies agreed upon by BLM's Authorized Officer and the CPM) of a proposed facility closure plan/Closure, Revegetation and Rehabilitation Plan. The plan shall: 1. identify and discuss any impacts and mitigation to address significant adverse impacts associated with proposed closure activities and to address facilities, equipment, or other project related materials that must be removed from the site; 2. identify a schedule of activities for closure of the power plant site, transmission line corridor, and all other appurtenant facilities constructed as part of the project; 3. address conformance of the plan with all applicable laws, ordinances, regulations, standards, and local/regional plans in existence at the time of facility closure, and applicable conditions of certification; and. 4. Address any changes to the site revegetation, rehabilitation, monitoring and longterm maintenance specified in the existing plan that are needed for site revegetation and rehabilitation to be successful. Prior to submittal of an amended or revised Closure, Revegetation and Restoration Plan, a meeting shall be held between the project owner, BLM's Authorized Officer and the Energy Commission CPM for the purpose of discussing the specific contents of the plan. In the event that there are significant				X	TBD	Submission not required at this time			
Compliance Conditions	COMP-12	**Unplanned Temporary Closure/On-Site Contingency Plan:** In order to ensure that public health and safety and the environment are protected in the event of an unplanned temporary facility closure, it is essential to have an On-Site Contingency Plan in place. The On-Site Contingency Plan will help to ensure that all necessary steps to mitigate public health and safety impacts and environmental impacts are taken in a timely manner. The project owner shall submit an On-Site Contingency Plan for BLM's Authorized Officer and CPM review and approval. The plan shall be submitted no less than 60 days (or other time agreed to by BLM's Authorized Officer and the CPM) after approval of any NTP or letter granting approval to commence construction for each phase of construction. A copy of the approved plan must be in place during commercial operation of the facility and shall be kept at the site at all times. The project owner, in consultation with BLM's Authorized Officer and the CPM, will update the On-Site Contingency Plan as necessary. BLM's Authorized Officer and the CPM may require revisions to the On-Site Contingency Plan over the life of the project. In the annual compliance reports submitted to the Energy Commission, the project owner will review the On-Site Contingency Plan, and recommend changes to bring the plan up to date. Any changes to the plan must be approved by BLM's Authorized Officer and the CPM. The On-Site Contingency Plan shall provide for taking immediate steps to secure the facility from trespassing or encroachment. In addition, for closures of more than 90 days, unless other arrangements are agreed to by BLM's Authorized Officer and the CPM, the plan shall provide for removal of hazardous materials and hazardous wastes, draining of all chemicals from storage tanks and other equipment, and the safe shutdown of all equipment. (Also see specific conditions of certification for the technical areas of Hazardous Materials Management and Waste Management.) In addition, consistent with requirements under unplanned permanent closure addressed below, the nature and extent of insurance coverage, and major equipment warranties must also be included in the On-Site Contingency Plan. In addition, the status of the insurance coverage and major equipment warranties must be updated in the annual compliance reports.			X		2/1/2011	Submitted	1/31/2011		

Compliance Conditions	COMP-13	**Unplanned Permanent Closure/On-Site Contingency Plan:** The On-Site Contingency Plan required for unplanned temporary closure shall also cover unplanned permanent facility closure. All of the requirements specified for unplanned temporary closure shall also apply to unplanned permanent closure. In addition, the On-Site Contingency Plan shall address how the project owner will ensure that all required closure steps will be successfully undertaken in the event of abandonment. In the event of an unplanned permanent closure, the project owner shall notify BLM's Authorized Officer and the CPM, as well as other responsible agencies, by telephone, fax, or e-mail, within 24 hours and shall take all necessary steps to implement the On- Site Contingency Plan. The project owner shall keep BLM's Authorized Officer and the CPM informed of the status of all closure activities. To ensure that public health and safety and the environment are protected in the event of an unplanned temporary closure, the project owner shall submit an On-Site Contingency Plan no less than 60 days after a NTP is issued for each phase of development.			X		2/1/2011	Submitted	1/31/2011		
Compliance Conditions	COMP-14	**Post Certification Changes to BLM's ROW Grant and/or the Energy Commission Decision: Amendments, Ownership Changes, Insignificant Project Changes and Verification Changes:** The project owner must petition the Energy Commission pursuant to Title 20, California Code of Regulations, section 1769, in order to modify the project (including linear facilities) design, operation or performance requirements, and to transfer ownership or operational control of the facility. The BLM ROW holder must file a written requests in the form an an application to the BLM Authorized Officer in order to change the terms and conditions of their ROW grant or POD. Written requests will be in a manner prescribed by the BLM Authorized Officer. It is the responsibility of the project owner to contact BLM's Authorized Officer and the CPM to determine if a proposed project change should be considered a project modification pursuant to section 1769. Implementation of a project modification without first securing BLM and either Energy Commission or Energy Commission staff approval, may result in enforcement action in accordance with section 25534 of the Public Resources Code. A Petition to Amend is required for changes to the project as specified below. For verification changes, a letter from the project owner is sufficient. In all cases, the petition or letter requesting a change should be submitted to BLM's Authorized Officer and the CPM, who will file it with the Energy Commission's Dockets Unit in accordance with Title 20, California Code of Regulations, section 1209. The criteria that determine which type of approval and the process that applies are explained below. They reflect the provisions of Section 1769 at the time this condition was drafted. If the Commission's			X	X	As needed	As needed			
Compliance Conditions	COMP-14 (Continued)	**Amendment** - The project owner shall petition the Energy Commission, pursuant to Title 20, California Code of Regulations, Section 1769(a), when proposing modifications to the project (including linear facilities) design, operation, or performance requirements. If a proposed modification results in deletion or change of a condition of certification, or makes changes that would cause the project not to comply with any applicable laws, ordinances, regulations or standards, the petition will be processed as a formal amendment to the Energy Commission's final decision, which requires public notice and review of the BLM-Energy Commission staff analysis, and approval by the full Energy Commission. The petition shall be in the form of a legal brief and fulfill the requirements of Section 1769(a). Upon request, the CPM will provide you with a sample petition to use as a template. The ROW holder shall file an application to amend the BLM ROW grant for any substantial deviation or change in use. The requirements to amend a ROW grant are the same as when filing a new application including paying processing and monitoring fees and rent. Change of Ownership **Change of Ownership** - Change of ownership or operational control also requires that the project owner file a petition pursuant to section 1769(b). This process requires public notice and approval by the full Commission and BLM. The petition shall be in the form of a legal brief and fulfill the requirements of Section 1769(b). Upon request, the CPM will provide you with a sample petition to use as a template. The transfer of ownership of a BLM ROW grant must be through the filing of an application for assignment of the grant. **Insignificant Project Change** - Insignificant Project Change Modifications that do not result in deletions or changes to conditions of certification, and that are compliant with laws, ordinances, regulations and standards may be authorized by BLM's Authorized Officer and the CPM as an insignificant project change pursuant to section 1769(a) (2). This process usually requires minimal time to complete, and it requires a Energy Commission 14-day public review of the Notice of Insignificant Project Change that includes the BLM and Energy Commission staff's intention to approve the modification unless substantive objections are filed. These requests must also be submitted in the form of a "Petition to Amend" as described above. BLM and the Energy Commission intend to integrate a process to jointly approve insignificant project changes to avoid duplication of approval processes and ensure appropriate			X	X	As needed	As needed			

Cultural Resources	CUL-01	The resume of the CRS shall include the names and telephone numbers of contacts familiar with the work of the CRS on referenced projects, and demonstrate that the CRS has the appropriate education and experience to accomplish the cultural resource tasks that must be addressed during ground disturbance, grading, construction, and operation.Prior to the start of ground disturbance (includes "preconstruction site mobilization;" "construction ground disturbance;" and "construction grading, boring, and trenching," as defined in the General Conditions for this project), the project owner shall obtain the services of a Cultural Resources Specialist (CRS), and one or more alternate CRSs, if alternates are needed. The CRS shall manage all consultation, monitoring, mitigation, curation, and reporting activities required in accordance with the Conditions of Certification (Conditions). The CRS may elect to obtain the services of Cultural Resource Monitors (CRMs) and other technical specialists, if needed, to assist in monitoring, mitigation, and curation activities. The project owner shall ensure that the CRS makes recommendations regarding the eligibility to the National Register of Historic Places (NRHP) and the California Register of Historical Resources (CRHR) of any cultural resources that are newly discovered or that may be affected in an unanticipated manner. No ground disturbance shall occur prior to CPM approval of the CRS, unless specifically approved by the BLM's Authorized Officer and the CPM. Approval of a CRS may be denied or revoked for non-compliance on this or other projects.	1. At least 45 days prior to the start of ground disturbance, the project owner shall submit the resume for the CRS, and alternate(s), if desired, to the BLM's Authorized Officer and the CPM for review and approval. 2. At least 10 days prior to a termination or release of the CRS, or within 10 days after the resignation of a CRS, the project owner shall submit the resume of the proposed new CRS to the BLM's Authorized Officer and the CPM for review and approval. At the same time, the project owner shall also provide to the approved new CRS the AFC and all cultural documents, field notes, photographs, and other cultural materials generated by the project. If there is no alternate CRS in place to conduct the duties of the CRS, a previously approved monitor may serve in place of a CRS so that construction may continue up to a maximum of 3 days without a CRS. If cultural resources are discovered, then construction will remain halted until there is a CRS or alternate CRS to make a recommendation regarding significance. 3. At least 20 days prior to ground disturbance, the CRS shall provide a letter naming anticipated CRMs for the project and stating that the identified CRMs meet the minimum qualifications for cultural resource monitoring required by this Condition. If additional CRMs are obtained during the project, the CRS shall provide additional letters to the BLM's Authorized Officer and the CPM identifying the CRMs and attesting to the qualifications of the CRMs, at least five days prior to the CRMs beginning on-site duties. 4. At least 10 days prior to beginning tasks, the resume(s) of any additional technical specialists shall be provided to the BLM's Authorized Officer and the CPM for review and approval. 5. At least 10 days prior to the start of ground disturbance, the project owner shall confirm in writing to the BLM's AuthorizedOfficer and the CPM that the approved CRS will be available for onsite work and is prepared to implement the cultural resources Conditions.	X			6/11/2010	Approved	6/11/2010	10/7/2010	
Cultural Resources	CUL-01 (Continued)	CULTURAL RESOURCES SPECIALIST. The resumes for the CRS and alternate(s) shall include information demonstrating to the satisfaction of the BLM's Authorized Officer and the CPM that their training and background conform to the U.S. Secretary of Interior Guidelines, as published in the Code of Federal Regulations, 36 CFR Part 61. In addition, the CRS shall have the following qualifications: 1. The CRS's qualifications shall be appropriate to the needs of the project and shall include a background in anthropology, archaeology, history, architectural history, or a related field; and 2. At least three years of rchaeological or historic, as appropriate, resource mitigation and field experience in California. CULTURAL RESOURCES MONITORS CRMs shall have the following qualifications: 1. a BS or BA degree in anthropology, archaeology, historical archaeology or a related field and one year experience monitoring in California; or 2. an AS or AA degree in anthropology, archaeology, historical archaeology or a related field, and four years experience monitoring in California; or 3. enrollment in upper division classes pursuing a degree in the fields of anthropology, archaeology, historical archaeology or a related field, and two years of monitoring experience in California. CULTURAL RESOURCES TECHNICAL SPECIALISTS The resume(s) of any additional technical specialists, e.g., historical archaeologist, historian, architectural historian, and/or physical anthropologist, shall be submitted to the BLM's Authorized Officer and the CPM for approval.	1. At least 45 days prior to the start of ground disturbance, the project owner shall submit the resume for the CRS, and alternate(s), if desired, to the BLM's Authorized Officer and the CPM for review and approval. 2. At least 10 days prior to a termination or release of the CRS, or within 10 days after the resignation of a CRS, the project owner shall submit the resume of the proposed new CRS to the BLM's Authorized Officer and the CPM for review and approval. At the same time, the project owner shall also provide to the approved new CRS the AFC and all cultural documents, field notes, photographs, and other cultural materials generated by the project. If there is no alternate CRS in place to conduct the duties of the CRS, a previously approved monitor may serve in place of a CRS so that construction may continue up to a maximum of 3 days without a CRS. If cultural resources are discovered, then construction will remain halted until there is a CRS or alternate CRS to make a recommendation regarding significance. 3. At least 20 days prior to ground disturbance, the CRS shall provide a letter naming anticipated CRMs for the project and stating that the identified CRMs meet the minimum qualifications for cultural resource monitoring required by this Condition. If additional CRMs are obtained during the project, the CRS shall provide additional letters to the BLM's Authorized Officer and the CPM identifying the CRMs and attesting to the qualifications of the CRMs, at least five days prior to the CRMs beginning on-site duties. 4. At least 10 days prior to beginning tasks, the resume(s) of any additional technical specialists shall be provided to the BLM's Authorized Officer and the CPM for review and approval. 5. At least 10 days prior to the start of ground disturbance, the project owner shall confirm in writing to the BLM's AuthorizedOfficer and the CPM that the approved CRS will be available for onsite work and is prepared to implement the cultural resources Conditions.	X			6/11/2010	Approved	6/11/2010	10/7/2010	
Cultural Resources	CUL-02	Prior to the start of ground disturbance, if the CRS has not previously worked on the project, the project owner shall provide the CRS with copies of the AFC, data responses, and confidential cultural resources reports for the project. The project owner shall also provide the CRS, the BLM's Authorized Officer, and the CPM with maps and drawings showing the footprint of the power plant and all linear facilities. Maps shall include the appropriate USGS quadrangles and a map at an appropriate scale (e.g., 1:2000 or 1" = 200') for plotting cultural features or materials. If the CRS requests enlargements or strip maps for linear facility routes, the project owner shall provide copies to the CRS and CPM. The BLM's Authorized Officer and the CPM shall review submittals and, in consultation with the CRS, approve those that are appropriate for use in cultural resources planning activities. No ground disturbance shall occur prior to CPM approval of maps and drawings, unless specifically approved by the BLM's Authorized Officer and the CPM.	1. At least 40 days prior to the start of ground disturbance, the project owner shall provide the AFC, data responses, and confidential cultural resource documents to the CRS, if needed, and the subject maps and drawings to the CRS and CPM. The BLM's Authorized Officer and the CPM will review submittals in consultation with the CRS and approve maps and drawings suitable for cultural resources planning activities. 2. If there are changes to any project related-footprint, revised maps and drawings shall be provided at least 15 days prior to start of ground disturbance and construction for those changes. 3. If project construction is phased, if not previously provided, the project owner shall submit the subject maps and drawings 15 days prior to each phase. 4. On a weekly basis during ground disturbance, a current schedule of anticipated project activity shall be provided to the CRS and CPM by letter, email, or fax. 5. Within five days of identifying changes, the project owner shall provide written	X	X		7/26/2010	Approved	7/30/2010	10/7/2010	
Cultural Resources	CUL-02 (Continued)	If construction of the project would proceed in phases, maps and drawings, not previously provided, shall be submitted prior to the start of each phase. Written notification identifying the proposed schedule of each project phase shall be provided to the CRS and CPM.At a minimum, the CRS shall consult weekly with the project construction manager to confirm area(s) to be worked during the next week, until ground disturbance is completed, and the project owner shall ensure that the project construction manager is available for such weekly consultations. The project owner shall notify the CRS and CPM of any changes to the scheduling of the construction phases. No ground disturbance shall occur prior to CPM approval of maps and drawings, unless specifically approved by the BLM's Authorized Officer and the CPM.	1. At least 40 days prior to the start of ground disturbance, the project owner shall provide the AFC, data responses, and confidential cultural resource documents to the CRS, if needed, and the subject maps and drawings to the CRS and CPM. The BLM's Authorized Officer and the CPM will review submittals in consultation with the CRS and approve maps and drawings suitable for cultural resources planning activities. 2. If there are changes to any project related-footprint, revised maps and drawings shall be provided at least 15 days prior to start of ground disturbance and construction for those changes. 3. If project construction is phased, if not previously provided, the project owner shall submit the subject maps and drawings 15 days prior to each phase. 4. On a weekly basis during ground disturbance, a current schedule of anticipated project activity shall be provided to the CRS and CPM by letter, email, or fax. 5. Within five days of identifying changes, the project owner shall provide written	X	X		7/26/2010	Approved	7/30/2010	10/7/2010	

Cultural Resources	CUL-03	Prior to the start of ground disturbance, the project owner shall submit the Cultural Resources Monitoring and Mitigation Plan (CRMMP), as prepared by or under the direction of the CRS, to the BLM's Authorized Officer and the CPM for review and approval. The CPM shall provide the project owner with a model CRMMP to adapt for project use. The CRMMP shall identify general and specific measures to minimize potential impacts to sensitive cultural resources. Implementation of the CRMMP shall be the responsibility of the CRS and the project owner. Copies of the CRMMP shall reside with the CRS, alternate CRS, each monitor, and the project owner's on-site construction manager. No ground disturbance shall occur prior to CPM approval of the CRMMP, unless specifically approved by the BLM's Authorized Officer and the CPM. The CRMMP shall include, but not be limited to, the following elements and measures: 1. The following statement included in the Introduction: "Any discussion, summary, or paraphrasing of the Conditions in this CRMMP is intended as general guidance and as an aid to the user in understanding the Conditions and their implementation. The Conditions, as written in the Commission Decision, shall supersede any summarization, description, or interpretation of the Conditions in the CRMMP. The Cultural Resources Conditions of Certification from the Commission Decision are contained in Appendix A."	1. Upon approval of the CRS proposed by the project owner, the CPM will provide to the CRS an electronic copy of the model CRMMP. 2. At least 30 days prior to the start of ground disturbance, the project owner shall submit the subject CRMMP to the BLM's Authorized Officer and the CPM for review and approval. Ground disturbance may not commence until the CRMMP is approved, unless specifically approved by the BLM's Authorized Officer and the CPM. 3. At least 30 days prior to the start of ground disturbance, a letter shall be provided to the BLM's Authorized Officer and the CPM indicating that the project owner agrees to pay curation fees for any materials collected as a result of the archaeological investigations (survey, testing, data recovery).	X			8/13/2010	Approved	8/13/2010	11/4/2010	
Cultural Resources	CUL-03 (Continued)	2. A proposed general research design that includes a discussion of archaeological research questions and testable hypotheses specifically applicable to the local prehistory and history of the project area, and a discussion of artifact collection, retention/disposal, and curation policies as related to the research questions formulated in the research design. The research design shall specify that the preferred treatment strategy for any buried archaeological deposits is avoidance. A mitigation plan shall be prepared for any NRHP-eligible resource (as determined by the BLM's Authorized Officer) or any CRHR-eligible resource (as determined by the CPM), impacts to which cannot be avoided. A prescriptive treatment plan may be included in the CRMMP for limited data types. 3. Specification of the implementation sequence and the estimated time frames needed to accomplish all project-related tasks during the ground disturbance and post-ground–disturbance analysis phases of the project. 4. Identification of the person(s) expected to perform each of the tasks, their responsibilities, and the reporting relationships between project construction management and the mitigation and monitoring team.	1. Upon approval of the CRS proposed by the project owner, the CPM will provide to the CRS an electronic copy of the model CRMMP. 2. At least 30 days prior to the start of ground disturbance, the project owner shall submit the subject CRMMP to the BLM's Authorized Officer and the CPM for review and approval. Ground disturbance may not commence until the CRMMP is approved, unless specifically approved by the BLM's Authorized Officer and the CPM. 3. At least 30 days prior to the start of ground disturbance, a letter shall be provided to the BLM's Authorized Officer and the CPM indicating that the project owner agrees to pay curation fees for any materials collected as a result of the archaeological investigations (survey, testing, data recovery).	X			8/13/2010	Approved	8/13/2010	11/4/2010	
Cultural Resources	CUL-03 (Continued)	6. A description of all impact avoidance measures (such as flagging or fencing), to prohibit or otherwise restrict access to sensitive resource areas that may be found during construction and/or operation and may subsequently need to be avoided, and identification of the areas where these measures are to be implemented. The description shall address how these measures would be implemented and how long they would be needed to protect the resources from project-related effects. 7. A statement that all cultural resources encountered shall be recorded on a DPR form 523 and mapped and photographed. In addition, all archaeological materials collected as a result of the archaeological investigations (survey, testing, and data recovery) shall be curated in accordance with the State Historical Resources Commission's "Guidelines for the Curation of Archaeological Collections," into a retrievable storage collection in a public repository or museum. 8. A statement that the project owner will pay all curation fees for artifacts recovered and for related documentation produced during cultural resources investigations conducted for the project. The project owner shall identify three possible curation facilities that could accept cultural resources materials resulting from project activities. 9. A statement that the CRS has access to equipment and supplies necessary for site mapping, photographing, and recovering any cultural resource materials that are encountered during ground disturbance and that cannot be treated prescriptively.	1. Upon approval of the CRS proposed by the project owner, the CPM will provide to the CRS an electronic copy of the model CRMMP. 2. At least 30 days prior to the start of ground disturbance, the project owner shall submit the subject CRMMP to the BLM's Authorized Officer and the CPM for review and approval. Ground disturbance may not commence until the CRMMP is approved, unless specifically approved by the BLM's Authorized Officer and the CPM. 3. At least 30 days prior to the start of ground disturbance, a letter shall be provided to the BLM's Authorized Officer and the CPM indicating that the project owner agrees to pay curation fees for any materials collected as a result of the archaeological investigations (survey, testing, data recovery).	X			8/13/2010	Approved	8/13/2010	11/4/2010	
Cultural Resources	CUL-04	The project owner shall submit the Cultural Resources Report (CRR) to the BLM's Authorized Officer and the CPM for approval. The CRR shall be written by or under the direction of the CRS and shall be provided in the ARMR format. The CRR shall report on all field activities related to the implementation of the CRMMP including dates, times and locations, findings, samplings, and analyses. All survey reports, Department of Parks and Recreation (DPR) 523 forms, and additional research reports not previously submitted to the California Historic Resource Information System (CHRIS) and the State Historic Preservation Officer (SHPO) shall be included as an appendix to the CRR. If the project owner requests a suspension of ground disturbance and/or construction activities, then a draft CRR that covers all cultural resources activities associated with the project shall be prepared by the CRS and submitted to the BLM's Authorized Officer and the CPM for review and approval on the same day as the suspension/extension request. The draft CRR shall be retained at the project site in a secure facility until ground disturbance and/or construction resumes or the project is withdrawn. If the project is withdrawn, then a final CRR shall be submitted to the BLM's Authorized Officer and the CPM for review and approval at the same time as the withdrawal request.	1. Within 90 days after completion of ground disturbance (including landscaping), the project owner shall submit the CRR to the BLM's Authorized Officer and the CPM for review and approval. If any reports have previously been sent to the CHRIS, then receipt letters from the CHRIS or other verification of receipt shall be included in an appendix. 2. Within 90 days after completion of ground disturbance (including landscaping), the project owner shall provide to the BLM's Authorized Officer and the CPM a copy of an agreement with, or other written commitment from, a curation facility that meets the standards stated in the California State Historical Resources Commission's Guidelines for the Curation of Archaeological Collections, to accept cultural materials, if any, from this project. Any agreements concerning curation will be retained and available for audit for the life of the project. 3. Within 10 days after CPM approval of the CRR, the project owner shall provide documentation to the BLM's Authorized Officer and the CPM that copies of the CRR have been provided to the SHPO, the CHRIS, the curating institution, if archaeological materials were collected, and to the Chairperson(s) of any Native American groups requesting copies of project-related reports. 4. Within 30 days after requesting a suspension of construction activities, the project owner shall submit a draft CRR to the BLM's Authorized Officer and the CPM for review and approval.		X	X	Q1 2013	Not yet started			
Cultural Resources	CUL-05	Prior to and for the duration of ground disturbance, the project owner shall provide Worker Environmental Awareness Program (WEAP) training to all new workers within their first week of employment at the project site and on the linear facilities. The training shall be prepared by the CRS, may be conducted by any member of the archaeological team, and may be presented in the form of a video. The CRS shall be available (by telephone or in person) to answer questions posed by employees. The training may be discontinued when ground disturbance, including landscaping, is completed. The training shall include: 1. A discussion of applicable laws and penalties under the law; 2. Samples or visuals of artifacts that might be found in the project vicinity; 3. A discussion of what such artifacts may look like when partially buried, or wholly buried and then freshly exposed; 4. A discussion of what prehistoric and historical archaeological deposits look like at the surface and when exposed during construction, and the range of variation in the appearance of such	1. At least 30 days prior to the beginning of ground disturbance, the CRS shall provide the training program draft text and graphics and the informational brochure to the BLM's Authorized Officer and the CPM for review and approval, and the CPM will provide to the project owner a WEAP Training Acknowledgement form for each WEAP-trained worker to sign. 2. On a monthly basis, the project owner shall provide in the Monthly Compliance Report (MCR) the WEAP Training Acknowledgement forms of persons who have completed the training in the prior month and a running total of all persons who have completed training to date.	X	X		7/2/2010	Approved	7/6/2010	10/7/2010	

Cultural Resources	CUL-05 (Continued)	5. Instruction that the CRS, alternate CRS, and CRMs have the authority to halt construction in the area of a discovery to an extent sufficient to ensure that the resource is protected from further impacts, as determined by the CRS; 6. Instruction that employees are to halt work on their own in the vicinity of a potential cultural resources discovery and shall contact their supervisor and the CRS or CRM, and that redirection of work would be determined by the construction supervisor and the CRS; 7. An informational brochure that identifies reporting procedures in the event of a discovery; 8. An acknowledgement form signed by each worker indicating that they have received the training; and 9. A sticker that shall be placed on hard hats indicating that environmental training has been completed. No ground disturbance shall occur prior to implementation of the WEAP program, unless such	1. At least 30 days prior to the beginning of ground disturbance, the CRS shall provide the training program draft text and graphics and the informational brochure to the BLM's Authorized Officer and the CPM for review and approval, and the CPM will provide to the project owner a WEAP Training Acknowledgement form for each WEAP-trained worker to sign. 2. On a monthly basis, the project owner shall provide in the Monthly Compliance Report (MCR) the WEAP Training Acknowledgement forms of persons who have completed the training in the prior month and a running total of all persons who have completed training to date.	X	X		7/2/2010	Approved	7/6/2010	10/7/2010	
Cultural Resources	CUL-06	The project owner shall ensure that construction is immediately halted should anyone discover buried archaeological materials on the project site or linear facilities (Discovery). Archaeological materials may include, but are not limited to, such items as whole or fragmentary flaked or ground stone tools, stone flaking debris, discolored, fire-altered rock, animal bone, charcoal, ash, discolored, burned earth, rocks and minerals not common to the project site, and fragments of ceramic, glass, or metal. In the event of such a Discovery, the project owner shall ensure the immediate notification of the CRS, who shall either evaluate the NRHP and CRHR eligibility of the Discovery, in person, on the project site, or supervise the evaluations that a CRM or an appropriate cultural resources technical specialist would make of the historical significance of the Discovery, also in person, on the project. The recommendations of significance shall be substantiated by and reported to the BLM's Authorized Officer and the CPM by the CRS. Redirection of ground disturbance shall be accomplished under the direction of the construction supervisor, in a manner agreed to by the CRS. In the event cultural resources that are over 50 years of age or that may be considered NRHP- or CRHR-eligible are found, or impacts to such resources can be anticipated, construction shall be halted or redirected inthe immediate vicinity of the Discovery sufficient to ensure that the resource is protected from further impacts. The halting or redirection of construction shall remain in effect until either the CRS, a CRM, orappropriate cultural resources technical specialist has made evaluations of the historical significance of the Discovery, and all of the following have	1. At least 30 days prior to the start of ground disturbance, the project owner shall provide the BLM's Authorized Officer, the CPM, and the CRS with a letter confirming that the CRS, alternate CRS, and CRMs have the authority to halt construction activities in the vicinity of a cultural resources Discovery, and that the project owner shall ensure that the CRS notifies the BLM's Authorized Officer and the CPM within 24 hours of a Discovery, or by Monday morning if the cultural resources Discovery occurs between 8:00 AM on Friday and 8:00 AM on Sunday morning. 2. Completed DPR form 523s shall be submitted to the BLM's Authorized Officer and the CPM for review and approval no later than 24 hours following the notification of the BLM's Authorized Officer and the CPM, or 48 hours following the completion of data recordation/recovery, whichever is more appropriate for the subject cultural material.	X	X		8/20/2010	Approved	8/23/2010	9/2/2010	
Cultural Resources	CUL-06 (Continued)	1. The CRS has notified the project owner, and the BLM's Authorized Officer and the CPM have been notified within 24 hours of the Discovery, or by Monday morning if the cultural resources Discovery occurs between 8:00 AM on Friday and 8:00 AM on Sunday morning, including a description of the Discovery (or changes in character or attributes), the action taken (i.e. work stoppage or redirection), recommendations of eligibility, and recommendations for mitigation of any cultural resources Discoveries, whether or not a determination of significance has been made. 2. The CRS has ensured completion of field notes, measurements, and photography for a DPR 523 primary form. The "Description" entry of the 523 form shall include a recommendation on the significance of the find. The project owner shall submit completed forms to the BLM's Authorized Officer and the CPM. 3. The CRS, the project owner, and the BLM's Authorized Officer and the CPM have conferred, and the BLM's Authorized Officer and the CPM have concurred with the recommended eligibility of the Discovery and approved the CRS's proposed data recovery, if any, including the curation of the artifacts, or other appropriate mitigation; and any necessary data recovery and mitigation have been completed. 4. The CRS, the BLM's Authorized Officer, and the CPM have conferred, and the BLM's Authorized Officer and the CPM have determined whether the Discovery reveals new information about the subsurface archaeological character of the project site that warrants the initiation of monitoring for portions of the project site. 5. When the BLM's Authorized Officer and the CPM make a determination that a Discovery does	1. At least 30 days prior to the start of ground disturbance, the project owner shall provide the BLM's Authorized Officer, the CPM, and the CRS with a letter confirming that the CRS, alternate CRS, and CRMs have the authority to halt construction activities in the vicinity of a cultural resources Discovery, and that the project owner shall ensure that the CRS notifies the BLM's Authorized Officer and the CPM within 24 hours of a Discovery, or by Monday morning if the cultural resources Discovery occurs between 8:00 AM on Friday and 8:00 AM on Sunday morning. 2. Completed DPR form 523s shall be submitted to the BLM's Authorized Officer and the CPM for review and approval no later than 24 hours following the notification of the BLM's Authorized Officer and the CPM, or 48 hours following the completion of data recordation/recovery, whichever is more appropriate for the subject cultural material.	X	X		8/20/2010	Approved	8/23/2010	9/2/2010	
Cultural Resources	CUL-07	If there is a discovery of archaeological material, and after the BLM's Authorized Officer and the CPM notify the project owner and the CRS that the initiation of monitoring is necessary for portions of the project site or linear facilities, the project owner shall ensure that the CRS, alternate CRS, or CRMs shall monitor full time on the portions of the project site and linear facilities which the BLM's Authorized Officer and the CPM may specify, and ground disturbance full time on the portions of the laydown areas or other ancillary areas which the BLM's Authorized Officer and the CPM may also specify, to ensure there are no impacts to further undiscovered resources and to ensure that newly found resources are not further impacted in an unanticipated manner. Full-time archaeological monitoring for this project shall be the archaeological monitoring of all earth-moving activities on the portions of the construction site or the linear facility routes which the BLM's Authorized Officer and the CPM may specify for as long as the activities are ongoing. Full-time archaeological monitoring shall require one monitor per active earthmoving machine working in archaeologically sensitive areas, as determined by the CRS in consultation with the BLM's Authorized Officer and the CPM. If an excavation area is too large for one monitor to effectively observe the soil removal, one or more additional monitors shall be retained to observe the area. In the event that the CRS determines that the current level of monitoring is not appropriate in certain locations, a letter or e-mail detailing the justification for changing the level of monitoring shall be provided to the BLM's Authorized Officer and the CPM for review and approval prior to any change in	1. At least 30 days prior to the start of ground disturbance, the CPM will provide to the CRS an electronic copy of the form to be used as a daily monitoring log. 2. Daily, the CRS shall provide a statement that "no cultural resources over 50 years of age were discovered" to the BLM's Authorized Officer and the CPM as an e-mail or in some other form acceptable to the BLM's Authorized Officer and the CPM. If the CRS concludes that daily reporting is no longer necessary, a letter or e-mail providing a detailed justification for the decision to reduce or end daily reporting shall be provided to the BLM's Authorized Officer and the CPM for review and approval at least 24 hours prior to reducing or ending daily reporting. 3. On a monthly basis, while monitoring is on-going, the project owner shall include in each **MCR** a copy of the monthly summary report of cultural resources-related monitoring prepared by the CRS. Copies of daily logs shall be retained by the project owner and made available for audit by the BLM's Authorized Officer and the CPM. 4. At least 24 hours prior to implementing a proposed change in monitoring level, documentation justifying the change shall be submitted to the BLM's Authorized Officer and the CPM for review and approval.	X	X		8/20/2010	Approved	8/13/2010	9/2/2010	
Cultural Resources	CUL-07 (continued)	On forms provided by the CPM, CRMs shall keep a daily log of any monitoring and other cultural resource activities and any instances of non-compliance with the Conditions and/or applicable LORS. Copies of the daily logs shall be provided to the BLM's Authorized Officer and the CPM by the CRS as directed by the BLM's Authorized Officer and the CPM. The CRS shall use these logs to compile a monthly summary report on the progress or status of cultural resources-related activities. If there are no monitoring activities, the summary report shall specify why monitoring has been suspended. The CRS or alternate CRS shall report daily to the BLM's Authorized Officer and the CPM on the status of cultural resources-related activities at the project site, unless reducing or ending daily reporting is requested by the CRS and approved by the BLM's Authorized Officer and the CPM. The CRS, at his or her discretion, or at the request of the BLM's Authorized Officer or the CPM, may informally discuss cultural resource monitoring and mitigation activities with Energy Commission technical staff.	1. At least 30 days prior to the start of ground disturbance, the CPM will provide to the CRS an electronic copy of the form to be used as a daily monitoring log. 2. Daily, the CRS shall provide a statement that "no cultural resources over 50 years of age were discovered" to the BLM's Authorized Officer and the CPM as an e-mail or in some other form acceptable to the BLM's Authorized Officer and the CPM. If the CRS concludes that daily reporting is no longer necessary, a letter or e-mail providing a detailed justification for the decision to reduce or end daily reporting shall be provided to the BLM's Authorized Officer and the CPM for review and approval at least 24 hours prior to reducing or ending daily reporting. 3. On a monthly basis, while monitoring is on-going, the project owner shall include in each **MCR** a copy of the monthly summary report of cultural resources-related monitoring prepared by the CRS. Copies of daily logs shall be retained by the project owner and made available for audit by the BLM's Authorized Officer and the CPM. 4. At least 24 hours prior to implementing a proposed change in monitoring level,	X	X		8/20/2010	Approved	8/13/2010	9/2/2010	

Cultural Resources	CUL-07 (continued)	Cultural resources monitoring activities are the responsibility of the CRS. Any interference with monitoring activities, removal of a monitor from duties assigned by the CRS, or direction to a monitor to relocate monitoring activities by anyone other than the CRS shall be considered non-compliance with these Conditions. Upon becoming aware of any incidents of non-compliance with the Conditions and/or applicable LORS, the CRS and/or the project owner shall notify the BLM's Authorized Officer and the CPM by telephone or e-mail within 24 hours. The CRS shall also recommend corrective action to resolve the problem or achieve compliance with the Conditions. When the issue is resolved, the CRS shall write a report describing the issue, the resolution of the issue, and the effectiveness of the resolution measures. This report shall be provided in the next **MCR** for the review of the BLM's Authorized Officer and the CPM. A Native American monitor shall be obtained to monitor ground disturbance in areas where Native American artifacts may be discovered. Informational lists of concerned Native Americans and Guidelines for monitoring shall be obtained from the Native American Heritage Commission. Preference in selecting a monitor	1. At least 30 days prior to the start of ground disturbance, the CPM will provide to the CRS an electronic copy of the form to be used as a daily monitoring log. 2. Daily, the CRS shall provide a statement that "no cultural resources over 50 years of age were discovered" to the BLM's Authorized Officer and the CPM as an e-mail or in some other form acceptable to the BLM's Authorized Officer and the CPM. If the CRS concludes that daily reporting is no longer necessary, a letter or e-mail providing a detailed justification for the decision to reduce or end daily reporting shall be provided to the BLM's Authorized Officer and the CPM for review and approval at least 24 hours prior to reducing or ending daily reporting. 3. On a monthly basis, while monitoring is on-going, the project owner shall include in each **MCR** a copy of the monthly summary report of cultural resources-related monitoring prepared by the CRS. Copies of daily logs shall be retained by the project owner and made available for audit by the BLM's Authorized Officer and the CPM. 4. At least 24 hours prior to implementing a proposed change in monitoring level, documentation justifying the change shall be submitted to the BLM's Authorized Officer and the CPM	X	X		8/20/2010	Approved	8/13/2010	9/2/2010	
Cultural Resources	CUL-08	Prior to the dismantling, by any party, of any portion of the Hoover Dam-to-San Bernardino transmission line (CA-SBR-10315H) located with the boundaries of the project site, the project owner shall obtain the services of an architectural historian. The project owner shall provide the BLM's Authorized Officer and the CPM with the name and resume of the architectural historian. No ground disturbance shall occur prior to CPM approval of the architectural historian, unless specifically approved by the BLM's Authorized Officer and the CPM. The resume for the architectural historian shall include names and telephone numbers of contacts familiar with the architectural historian's work and all information needed to demonstrate that the architectural historian has the following qualifications: 1. meets the Secretary of Interior's Professional Standards for architectural history; 2. has at least three years experience in recording twentieth-century industrial structures; and 3. has completed at least one recordation project within the past five years involving coordination with the National Park Service's Heritage Documentation Program (HDP).	1. At least 90 days prior to the dismantling of any portion of the Hoover Damto-San Bernardino transmission line located within the boundaries of the project site, the project owner shall submit the name and resume of the selected architectural historian to the BLM's Authorized Officer and the CPM for review and approval. 2. At least 75 days prior to the dismantling of any portion of the Hoover Dam-to-San Bernardino transmission line located within the boundaries of the project site, the project owner shall confirm in writing to the BLM's Authorized Officer and the CPM that the approved architectural historian is available for onsite work and provide a date by which the architectural historian will undertake the HAER-type documentation of the tower types and the cabling system of the portion of the Hoover Dam-to-San Bernardino transmission line located within the boundaries of the project site.		X		TBD	Not yet started			
Cultural Resources	CUL-09	Prior to the dismantling, by any party, of any portion of the Hoover Dam-to-San Bernardino transmission line (CA-SBR-10315H) located within the boundaries of the project site, the project owner shall ensure that the approved architectural historian prepares HAER-type documentation of the historic context and historic setting of the resource, and recordation of those physical parts of the Hoover Dam-to-San Bernardino transmission line that are located within the boundaries of the project site. The project owner shall ensure that the architectural historian consults with the HABS/HAER Coordinator in the Pacific West Regional Office of the HDP, in Oakland, and complies with the Coordinator's guidance on the extent and content of documentation appropriate for the Hoover Dam-to-San Bernardino transmission line, as a historical resource under CEQA and as a resource eligible for inclusion in the National Register of Historic Places, and on the format and materials to be used in the documentation. No dismantling of the Hoover Dam-to-San Bernardino transmission line located within the boundaries of the project area shall occur prior to the completion, by the architectural historian, of the recording, in the field, of the historic setting and the portion of the line located within the boundaries of the project site, and the submission to and approval by the BLM's Authorized Officer and the CPM of the draft HAER-type documentation of the Hoover Dam-to-San Bernardino transmission line, unless specifically allowed by the BLM's Authorized Officer and the CPM.	1. At least 60 days prior to the dismantling, by any party, of any portion of the Hoover Dam-to-San Bernardino transmission line located within the boundaries of the project site, the project owner shall submit to the BLM's Authorized Officer and the CPM a letter or memorandum from the architectural historian detailing the scope of the HDP-recommended documentation of the resource. 2. At least 30 days prior to the dismantling, by any party, of any portion of the Hoover Dam-to-San Bernardino transmission line located within the boundaries of the project site, the project owner shall provide a copy of the draft HAER-type documentation of the resource to the BLM's Authorized Officer and the CPM for review and approval. 3. Within 90 days after completion of ground disturbance (including landscaping) the project owner shall include in an appendix to the CRR copies of the transmittal letters for the submission of copies of the final HAER-type documentation of the portion of the Hoover Dam-to-San Bernardino transmission line located within the boundaries of the project site to the California State Library and to at least two local libraries in San Bernardino County, and a copy of the letter of acceptance of the final HAER documentation by the Library of Congress, if accepted by that repository. 4. Alternately, at least 150 days prior to the dismantling, by any party, of any portion of the Hoover Dam-to-San Bernardino transmission line located within the boundaries of the project site, the project owner may submit to the BLM's Authorized Officer and the CPM, for review		X		TBD	Not yet started			
Cultural Resources	CUL-10	If fill soils must be acquired from a non-commercial borrow site or disposed of to a non-commercial disposal site, unless less-than-five-year-old surveys of these sites for archaeological resources are documented to and approved by the BLM's Authorized Officer and the CPM, the CRS shall survey the borrow and/or disposal site(s) for cultural resources and record on DPR 523 forms any that are identified. When the survey is completed, the CRS shall convey the results and recommendations for further action to the project owner, the BLM's Authorized Officer, and the CPM, who will determine what, if any, further action is required. If the BLM's Authorized Officer and the CPM determine that significant archaeological resources that cannot be avoided are present at the borrow site, all these conditions of certification shall apply. The CRS shall report on the methods and results of these surveys in the CRR.	1. As soon as the project owner knows that a non-commercial borrow site and/or disposal site will be used, he/she shall notify the CRS and CPM and provide documentation of previous archaeological survey, if any, dating within the past five years, for CPM approval. 2. In the absence of documentation of recent archaeological survey, at least 30 days prior to any soil borrow or disposal activities on the noncommercial borrow and/or disposal sites, the CRS shall survey the site/s for archaeological resources. The CRS shall notify the project owner, the BLM's Authorized Officer, and the CPM of the results of the cultural resources survey, with recommendations, if any, for further action.		X		As needed	Ongoing			
Facility Design	ELEC-1	Prior to the start of any increment of electrical construction for all electrical equipment and systems 480 volts or higher (see a representative list, below), with the exception of underground duct work and any physical layout drawings and drawings not related to code compliance and life safety, the project owner shall submit, for CBO design review and approval, the proposed final design, specifications, and calculations (2007 CBC, Appendix Chapter 1, section 106.1, Submittal Documents). Upon approval, the above-listed plans, together with design changes and design change notices, shall remain on the site or at another accessible location for the operating life of the project. The project owner shall request that the CBO inspect the installation to ensure compliance with the requirements of applicable LORS (2007 CBC, Appendix Chapter 1, section 109.6, Approval Required; section 109.5, Inspection Requests). All transmission facilities (lines, switchyards, switching stations, and substations) are handled in "Conditions of Certification" in the Transmission System Engineering section of this document. A. Final plant design plans shall include: 1. One-line diagrams for the 13.8-kV, 4.16-kV, and 480-volt systems; and 2. System grounding drawings. B. Final plant calculations must establish: 1. Short-circuit ratings of plant equipment; 2. Ampacity of feeder cables; 3. Voltage drop in feeder cables; 4. System grounding requirements; 5. Coordination study calculations for fuses, circuit breakers and protective relay settings for the 13.8-kV, 4.16-kV, and 480-volt systems; 6. System grounding requirements; and 7. Lighting energy calculations. C. The following activities shall be reported to BLM's Authorized Officer and the CPM in the monthly compliance report: 1. Receipt or delay of major electrical equipment; 2. Testing or energization of major electrical equipment; and 3. A signed statement by the registered electrical engineer certifying that the proposed final design	At least 30 days (or within a project owner- and CBO-approved alternative time frame) prior to the start of each increment of electrical construction, the project owner shall submit to the CBO for design review and approval the above-listed documents. The project owner shall include in this submittal a copy of the signed and stamped statement from the responsible electrical engineer attesting compliance with the applicable LORS and shall send BLM's Authorized Officer and the CPM a copy of the transmittal letter in the next monthly compliance report.		X		2011	Ongoing includes multiple submittals			

Facility Design	GEN-1	The project owner shall design, construct, and inspect the project in accordance with the 2007 California Building Standards Code (CBSC), also known as Title 24, California Code of Regulations, which encompasses the California Building Code (CBC), California Administrative Code, California Electrical Code, California Mechanical Code, California Plumbing Code, California Energy Code, California Fire Code, California Code for Building Conservation, California Reference Standards Code, and all other applicable engineering LORS in effect at the time initial design plans are submitted to the chief building official (CBO) for review and approval (the CBSC in effect is the edition that has been adopted by the California Building Standards Commission and published at least 180 days previously). The project owner shall ensure that all the provisions of the above applicable codes are enforced during the construction, addition, alteration, moving, demolition, repair, or maintenance of the completed facility (2007 CBC, Appendix Chapter 1, section 101.2, Scope). All transmission facilities (lines, switchyards, switching stations, and substations) are covered in the Conditions of Certification in the Transmission System Engineering section of this document. In the event that the initial engineering designs are submitted to the CBO when the successor to the 2007 CBSC is in effect, the 2007 CBSC provisions shall be replaced with the applicable successor provisions. Where, in any specific case, different sections of the code specify different materials, methods of construction, or other requirements, the most restrictive shall govern.Where there is a conflict between a general requirement and a specific requirement, the specific requirement shall govern. The project owner shall ensure that all contracts with contractors, subcontractors, and suppliers clearly	Within 30 days following receipt of the certificate of occupancy, the project owner shall submit to BLM's Authorized Officer and the Compliance Project Manager (CPM) a statement of verification, signed by the responsible design engineer, attesting that all designs, construction, installation, and inspection requirements of the applicable LORS and the Energy Commission's decision have been met in the area of facility design. The project owner shall provide BLM's Authorized Officer and the CPM a copy of the certificate of occupancy within 30 days of receipt from the CBO (2007 CBC, Appendix Chapter 1, section 110, Certificate of Occupancy). Once the certificate of occupancy has been issued, the project owner shall inform BLM's Authorized Officer and the CPM at least 30 days prior to any construction, addition, alteration, moving, demolition, repair, or maintenance to be performed on any portion(s) of the completed facility that requires CBO approval for compliance with the above codes. BLM's Authorized Officer and the CPM will then determine if the CBO needs to approve the work.			X	2013	Not yet started			
Facility Design	GEN-2	Before submitting the initial engineering designs for CBO review, the project owner shall furnish BLM's Authorized Officer, the CPM and the CBO with a schedule of facility design submittals and master drawing and master specifications lists. The schedule shall contain a list of proposed submittal packages of designs, calculations, and specifications for major structures and equipment. To facilitate audits by BLM's Authorized Officer and/or Energy Commission staff, the project owner shall provide specific packages to BLM's Authorized Officer and/or the CPM upon request.	At least 60 days (or within a project owner- and CBO-approved alternative time frame) prior to the start of rough grading, the project owner shall submit to the CBO, BLM's Authorized Officer and to the CPM the schedule, the master drawing and master specifications lists of documents to be submitted to the CBO for review and approval. These documents shall be the pertinent design documents for the major structures and equipment listed in **Facility Design Table 1**, below. Major structures and equipment shall be added to or deleted from the table only with BLM's Authorized Officer and CPM approval. The project owner shall provide schedule updates in the monthly compliance report. **Structures and Equipment List** **Equipment/System — Quantity (Plant)** Turbine Generator Foundation and Connections — 3 Boiler Structure, Foundation and Connections — 10 Air Cooled Condenser Structure, Foundation & Connections — 3 Feed Water Preheater Structure, Foundation & Connections — 3 Deaerator Structure, Foundation and Connections — 3 Steam Distributor Structure, Foundation and Connections — 3 Water Treatment Plant, Administration and Electrical Building Structure,Foundation and Connections — 4 Water Storage Tanks Structure, Foundation and Connections — 3 Maintenance Wing Structure, Foundation and Connections — 3 Turbine Lubrication System Foundation and Connections — 3 Emergency Generator Foundation and Connections — 3 Diesel Fire Pump Foundation and Connections — 3 Reheat Tower Structure, Foundation and Connections — 3 Emergency Generator Exhaust Structure, Foundation and Connections — 3 Pipe Bridge Structure, Foundation and Connections — 3 Solar Fields and Towers Structures, Foundations and Connections — 3 Lots Evaporation Pits b — 3 Lots Drainage Systems (including sanitary drain and waste) — 3 Lots High Pressure and Large Diameter Piping and Pipe Racks — 3 Lots HVAC and Refrigeration Systems — 3 Lots Temperature Control and Ventilation Systems (including water and sewer connections) — 3 Lots	X	X		7/12/2010	Approved	7/16/2010	9/2/2010	
Facility Design	GEN-3	The project owner shall make payments to the CBO for design review, plan checks, and construction inspections, based upon a reasonable fee schedule to be negotiated between the project owner and the CBO. These fees may be consistent with the fees listed in the 2007 CBC (2007 CBC, Appendix Chapter 1, section 108, Fees; Chapter 1, section 108.4, Permits, Fees, Applications and Inspections), adjusted for inflation and other appropriate adjustments; may be based on the value of the facilities reviewed; may be based on hourly rates; or may be otherwise	The project owner shall make the required payments to the CBO in accordance with the agreement between the project owner and the CBO. The project owner shall send a copy of the CBO's receipt of payment to BLM's Authorized Officer and the CPM in the next monthly compliance report indicating that applicable fees have been paid.		X		Monthly	Ongoing			
Facility Design	GEN-4	Prior to the start of rough grading, the project owner shall assign a California registered architect, structural engineer, or civil engineer, as the resident engineer (RE) in charge of the project (2007 California Administrative Code, section 4-209, Designation of Responsibilities). All transmission facilities (lines, switchyards, switching stations, and substations) are addressed in the conditions of certification in the Transmission System Engineering section of this document. The RE may delegate responsibility for portions of the project to other registered engineers. Registered mechanical and electrical engineers may be delegated responsibility for mechanical and electrical portions of the project, respectively. A project may be divided into parts, provided that each part is clearly defined as a distinct unit. Separate assignments of general responsibility may be made for each designated part. The RE shall: 1. Monitor progress of construction work requiring CBO design review and inspection to ensure compliance with LORS; 2. Ensure that construction of all facilities subject to CBO design review and inspection conforms in every material respect to applicable LORS, these conditions of certification, approved plans, and specifications; 3. Prepare documents to initiate changes in approved drawings and specifications when either directed by the project owner or as required by the conditions of the project; 4. Be responsible for providing project inspectors and testing agencies with complete and up-to-date sets of stamped drawings, plans, specifications, and any other required documents; 5. Be responsible for the timely submittal of construction progress reports to the CBO from the project inspectors, the contractor, and other engineers who have been delegated responsibility for portions of the project; and 6. Be responsible for notifying the CBO of corrective action or the disposition of items noted on laboratory	At least 30 days (or within a project owner- and CBO-approved alternative time frame) prior to the start of rough grading, the project owner shall submit to the CBO for review and approval, the resume and registration number of the RE and any other delegated engineers assigned to the project. The project owner shall notify BLM's Authorized Officer and the CPM of the CBO's approvals of the RE and other delegated engineer(s) within 5 days of the approval. If the RE or the delegated engineer(s) is subsequently reassigned or replaced, the project owner has 5 days to submit the resume and registration number of the newly assigned engineer to the CBO for review and approval. The project owner shall notify BLM's Authorized Officer and the CPM of the CBO's approval of the new engineer within 5 days of the approval.	X			8/7/2010	Approved	8/7/2010	8/13/2010	

Facility Design	GEN-5	Prior to the start of rough grading, the project owner shall assign at least one of each of the following California registered engineers to the project: a civil engineer; a soils, geotechnical, or civil engineer experienced and knowledgeable in the practice of soils engineering; and an engineering geologist. Prior to the start of construction, the project owner shall assign at least one of each of the following California registered engineers to the project: a design engineer who is either a structural engineer or a civil engineer fully competent and proficient in the design of power plant structures and equipment supports; a mechanical engineer; and an electrical engineer. (California Business and Professions Code section 6704 et seq., and sections 6730, 6731, and 6736 require state registration to practice as a civil engineer or structural engineer in California.) All transmission facilities (lines, switchyards, switching stations, and substations) are handled in "Conditions of Certification" in the Transmission System Engineering section of this Decision. The tasks performed by the civil, mechanical, electrical, or design engineers may be divided between two or more engineers, as long as each engineer is responsible for a particular segment of the project (for example, proposed earthwork, civil structures, power plant structures, equipment support). No segment of the	At least 30 days (or within a project owner- and CBO-approved alternative time frame) prior to the start of rough grading, the project owner shall submit to the CBO for review and approval, resumes and registration numbers of the responsible civil engineer, soils (geotechnical) engineer, and engineering geologist assigned to the project. At least 30 days (or within a project owner- and CBO-approved alternative time frame) prior to the start of construction, the project owner shall submit to the CBO for review and approval, resumes and registration numbers of the responsible design engineer, mechanical engineer, and electrical engineer assigned to the project. The project owner shall notify BLM's Authorized Officer and the CPM of the CBO's approvals of the responsible engineers within 5 days of the approval. If the designated responsible engineer is subsequently reassigned or replaced, the project owner has 5 days in which to submit the resume and registration number of the newly assigned engineer to the CBO for review and approval. The project owner shall notify BLM's Authorized Officer and	X			5/28/2010	Approved	5/28/2010	9/2/2010	
Facility Design	GEN-5 (Continued)	The project owner shall submit, to the CBO for review and approval, the names, qualifications, and registration numbers of all responsible engineers assigned to the project (2007 CBC, Appendix Chapter 1, section 104, Duties and Powers of Building Official). If any one of the designated responsible engineers is subsequently reassigned or replaced, the project owner shall submit the name, qualifications and registration number of the newly assigned responsible engineer to the CBO for review and approval. The project owner shall notify BLM's Authorized Officer and the CPM of the CBO's approval of the new engineer. A. The civil engineer shall: 1. Review the foundation investigations, geotechnical, or soils reports prepared by the soils engineer, the geotechnical engineer, or by a civil engineer experienced and knowledgeable in the practice of soils engineering; 2. Design (or be responsible for the design of), stamp, and sign all plans,calculations, and specifications for proposed site work, civil works, and related facilities requiring design review and inspection by the CBO. At a minimum, these include: grading, site preparation, excavation, compaction, construction of secondary containment, foundations, erosion and sedimentation control structures, drainage facilities, underground	At least 30 days (or within a project owner- and CBO-approved alternative time frame) prior to the start of rough grading, the project owner shall submit to the CBO for review and approval, resumes and registration numbers of the responsible civil engineer, soils (geotechnical) engineer, and engineering geologist assigned to the project. At least 30 days (or within a project owner- and CBO-approved alternative time frame) prior to the start of construction, the project owner shall submit to the CBO for review and approval, resumes and registration numbers of the responsible design engineer, mechanical engineer, and electrical engineer assigned to the project. The project owner shall notify BLM's Authorized Officer and the CPM of the CBO's approvals of the responsible engineers within 5 days of the approval. If the designated responsible engineer is subsequently reassigned or replaced, the project owner has 5 days in which to submit the resume and registration number of the newly assigned engineer to the CBO for review and approval. The project owner shall notify BLM's Authorized Officer and the CPM of the	X			5/28/2010	Approved	5/28/2010	9/2/2010	
Facility Design	GEN-5 (Continued)	B. The soils engineer, geotechnical engineer, or civil engineer experienced and knowledgeable in the practice of soils engineering, shall: 1. Review all the engineering geology reports; 2. Prepare the foundation investigations, geotechnical, or soils reports containing field exploration reports, laboratory tests, and engineering analysis detailing the nature and extent of the soils that could be susceptible to liquefaction, rapid settlement, or collapse when saturated under load (2007 CBC, Appendix J, section J104.3, Soils Report; Chapter 18, section 1802.2, Foundation and Soils Investigations); 3. Be present, as required, during site grading and earthwork to provide consultation and monitor compliance with requirements set forth in the 2007 CBC, Appendix J, section J105, Inspections, and the 2007 California Administrative Code, section 4-211, Observation and Inspection of Construction (depending on the site conditions, this may be the responsibility of either the soils engineer, the engineering geologist, or both); and 4. Recommend field changes to the civil engineer and RE. This engineer shall be authorized to halt earthwork and to require changes if site conditions are unsafe or do not conform to the predicted conditions	At least 30 days (or within a project owner- and CBO-approved alternative time frame) prior to the start of rough grading, the project owner shall submit to the CBO for review and approval, resumes and registration numbers of the responsible civil engineer, soils (geotechnical) engineer, and engineering geologist assigned to the project. At least 30 days (or within a project owner- and CBO-approved alternative time frame) prior to the start of construction, the project owner shall submit to the CBO for review and approval, resumes and registration numbers of the responsible design engineer, mechanical engineer, and electrical engineer assigned to the project. The project owner shall notify BLM's Authorized Officer and the CPM of the CBO's approvals of the responsible engineers within 5 days of the approval. If the designated responsible engineer is subsequently reassigned or replaced, the project owner has 5 days in which to submit the resume and registration number of the newly assigned engineer to the CBO	X			5/28/2010	Approved	5/28/2010	9/2/2010	
Facility Design	GEN-5 (Continued)	C. The engineering geologist shall: 1. Review all the engineering geology reports and prepare a final soils grading report; and 2. Be present, as required, during site grading and earthwork to provide consultation and monitor compliance with the requirements set forth in the 2007 California Administrative Code, section 4-211, Observation and Inspection of Construction (depending on the site conditions, this may be the responsibility of either the soils engineer, the engineering geologist, or both). D. The design engineer shall: 1. Be directly responsible for the design of the proposed structures and equipment supports; 2. Provide consultation to the RE during design and construction of the project; 3. Monitor construction progress to ensure compliance with engineering LORS; 4. Evaluate and recommend necessary changes in design; and 5. Prepare and sign all major building plans, specifications, and calculations. E. The mechanical engineer shall be responsible for, and sign and stamp a statement with, each mechanical submittal to the CBO, stating that the proposed final design plans, specifications, and calculations conform to all of the mechanical engineering design requirements set forth in BLM's Right-of-Way Decision and the Energy Commission's decision. F. The electrical engineer shall: 1. Be responsible for the electrical design of the project; and	At least 30 days (or within a project owner- and CBO-approved alternative time frame) prior to the start of rough grading, the project owner shall submit to the CBO for review and approval, resumes and registration numbers of the responsible civil engineer, soils (geotechnical) engineer, and engineering geologist assigned to the project. At least 30 days (or within a project owner- and CBO-approved alternative time frame) prior to the start of construction, the project owner shall submit to the CBO for review and approval, resumes and registration numbers of the responsible design engineer, mechanical engineer, and electrical engineer assigned to the project. The project owner shall notify BLM's Authorized Officer and the CPM of the CBO's approvals of the responsible engineers within 5 days of the approval. If the designated responsible engineer is subsequently reassigned or replaced, the project owner has 5 days in which to submit the resume and registration number of the newly assigned engineer to the CBO for review and approval. The project owner shall notify BLM's Authorized Officer and the CPM of the CBO's approval of the new engineer within 5 days of the approval.	X			5/28/2010	Approved	5/28/2010	9/2/2010	
Facility Design	GEN-6	Prior to the start of an activity requiring special inspection, the project owner shall assign to the project a qualified and certified special inspector(s) who shall be responsible for the special inspections required by the 2007 CBC, Chapter 17, section 1704, Special Inspections; Chapter 17A, section 1704A, Special Inspections; and Appendix Chapter 1, Section 109, Inspections. All transmission facilities (lines, switchyards, switching stations, and substations) are handled in "Conditions of Certification" in the Transmission System Engineering section of this document. A certified weld inspector, certified by the American Welding Society (AWS), and/or American Society of Mechanical Engineers (ASME) as applicable, shall inspect welding performed on site requiring special inspection (including structural, piping, tanks, and pressure vessels). The special inspector shall: 1. Be a qualified person who shall demonstrate competence, to the satisfaction of the CBO, for inspection of the particular type of construction requiring special or continuous inspection; 2. Observe the work assigned for conformance with the approved design drawings and specifications; 3. Furnish inspection reports to the CBO and RE. All discrepancies shall be brought to the immediate attention of the RE for correction, then, if uncorrected, to the CBO, BLM's Authorized Officer and the CPM for corrective action (2007 CBC, Chapter 17, section 1704.1.2, Report Requirements); and	At least 15 days (or within a project owner- and CBO-approved alternative time frame) prior to the start of an activity requiring special inspection, the project owner shall submit to the CBO for review and approval, with a copy to BLM's Authorized Officer and the CPM, the name(s) and qualifications of the certified weld inspector(s) or other certified special inspector(s) assigned to the project to perform one or more of the duties set forth above. The project owner shall also submit to BLM's Authorized Officer and the CPM a copy of the CBO's approval of the qualifications of all special inspectors in the next monthly compliance report. If the special inspector is subsequently reassigned or replaced, the project owner has 5 days in which to submit the name and qualifications of the newly assigned special inspector to the CBO for approval. The project owner shall notify BLM's Authorized Officer and the CPM of the CBO's approval of the newly assigned inspector within 5 days of the approval.		X		As needed	As needed			
Facility Design	GEN-7	If any discrepancy in design and/or construction is discovered in any engineering work that has undergone CBO design review and approval, the project owner shall document the discrepancy and recommend required corrective actions (2007 CBC, Appendix Chapter 1, section 109.6, Approval Required; Chapter 17, section 1704.1.2, Report Requirements). The discrepancy documentation shall be submitted to the CBO for review and approval. The discrepancy documentation shall reference this condition of certification and, if appropriate, applicable sections of the CBC and/or other LORS	The project owner shall transmit a copy of the CBO's approval of any corrective action taken to resolve a discrepancy to BLM's Authorized Officer and the CPM in the next monthly compliance report. If any corrective action is disapproved, the project owner shall advise BLM's Authorized Officer and the CPM, within 5 days, of the reason for disapproval and the revised corrective action to obtain CBO's approval.		X		As needed	As needed			

Facility Design	GEN-8	The project owner shall obtain the CBO's final approval of all completed work that has undergone CBO design review and approval. The project owner shall request the CBO to inspect the completed structure and review the submitted documents. The project owner shall notify BLM's Authorized Officer and the CPM after obtaining the CBO's final approval. The project owner shall retain one set of approved engineering plans, specifications, and calculations (including all approved changes) at the project site or at an alternative site approved by BLM's Authorized Officer and the CPM during the operating life of the project (2007 CBC, Appendix Chapter 1, section 106.3.1, Approval of Construction Documents). Electronic copies of the approved plans, specifications, calculations, and marked-up as-builts shall be provided to the CBO for retention by BLM's Authorized Officer and the CPM.	Within 15 days of the completion of any work, the project owner shall submit to the CBO, with a copy to BLM's Authorized Officer and the CPM, in the next monthly compliance report, (a) a written notice that the completed work is ready for final inspection, and (b) a signed statement that the work conforms to the final approved plans. After storing the final approved engineering plans, specifications, and calculations described above, the project owner shall submit to BLM's Authorized Officer and the CPM a letter stating both that the above documents have been stored and the storage location of those documents. Within 90 days of the completion of construction, the project owner shall provide to the CBO three sets of electronic copies of the above documents at the project owner's expense. These are to be provided in the form of "read only" (Adobe .pdf 6.0) files, with restricted (password-protected) printing privileges, on archive quality		X		As needed	Ongoing			
Geology & Paleontology	GEO-1	The Soils Engineering Report required by Section 1802A of the 2007 CBC should specifically include laboratory test data, associated geotechnical engineering analyses, and a thorough discussion of the potential for liquefaction; settlement due to compressible soils, subsidence associated with shrinkage of clay soils, hydrocompaction, or dynamic compaction; and the presence of expansive clay soils. The report should also include recommendations for ground improvement and/or foundation systems necessary to mitigate these potential geologic hazards, if present.	The project owner shall include in the application for a grading permit a copy of the Soils Engineering Report which addresses the potential for liquefaction; settlement due to compressible soils, groundwater withdrawal, hydrocompaction, or dynamic compaction; and the possible presence of expansive clay soils, and a summary of how the results of the analyses were incorporated into the project foundation and grading plan design for review and comment by the Chief Building Official (CBO). A copy of the Soils Engineering Report, application for grading permit and any comments by the CBO are to be provided to BLM's Authorized Officer and the CPM at least 30 days prior to start of ground disturbance activities	X	X		8/20/2010 (Unit 1 and CLA) 9/3/2010 (Unit 2) 9/17/2010 (Unit 3)	Unit 1 & CLA - Approved; Unit 2 - Submitted; Unit 3 - Submitted	Unit 1 & CLA - 10/4/2010; Unit 2 - 2/9/2011; Unit 3 - 3/29/2011	Unit 1 & CLA - 10/7/2010	
Hazardous Materials	HAZ-1	The project owner shall not use any hazardous materials not listed in Hazardous Materials Appendix A, below, or in greater quantities than those identified by chemical name in Hazardous Materials Appendix A, unless approved in advance by the BLM's Authorized Officer and Compliance Project Manager (CPM).	The project owner shall provide to BLM's Authorized Officer and the CPM in the Annual Compliance Report, a list of hazardous materials contained at the facility.			X	Annually	Ongoing			
Hazardous Materials	HAZ-2	The project owner shall concurrently provide a Hazardous Materials Business Plan to the Hazardous Materials Division of the County of San Bernardino Fire Department, BLM's Authorized Officer and the CPM for review. After receiving comments from the Hazardous Materials Division of the County of San Bernardino Fire Department, BLM's Authorized Officer and the CPM, the project owner shall reflect all received recommendations in the final documents. If no comments are received from the county within 30 days of submittal, the project owner may proceed with preparation of final documents upon receiving comments from BLM's Authorized Officer and the CPM. . Copies of the final Hazardous Materials Business Plan shall then be provided to the Hazardous Materials Division of the County of San Bernardino Fire Department for information and to the BLM's Authorized Officer and CPM for approval.	At least 60 days prior to receiving any hazardous material on the site for commissioning or operations, the project owner shall provide a copy of a final Hazardous Materials Business Plan to BLM's Authorized Officer and the CPM for approval.			X	TBD	As needed			
Hazardous Materials	HAZ-3	The project owner shall develop and implement a Safety Management Plan for delivery of liquid hazardous materials. The plan shall include procedures, protective equipment requirements, training and a checklist. It shall also include a section describing all measures to be implemented to prevent mixing of incompatible hazardous materials. This plan shall be applicable during construction, commissioning, and operation of the power plant.	At least sixty (60) days prior to the delivery of any liquid hazardous material to the facility, the project owner shall provide a Safety Management Plan as described above to BLM's Authorized Officer and the CPM for review and approval		X	X	6/11/2010	Approved	7/9/2010	10/7/2010	
Hazardous Materials	HAZ-4	Prior to commencing construction, a site-specific Construction Site Security Plan for the construction phase shall be prepared and made available to BLM's Authorized Officer and the CPM for review and approval.	At least thirty (30) days prior to commencing construction, the project owner shall notify BLM's Authorized Officer and the CPM that a site-specific Construction Security Plan is available for review and approval. The Construction Security Plan shall include the following: 1. Perimeter security consisting of fencing enclosing the construction area; 2. Security guards; 3. Site access control consisting of a check-in procedure or tag system for construction personnel and visitors; 4. Written standard procedures for employees, contractors and vendors when encountering suspicious objects or packages on-site or off-site; 5. Protocol for contacting law enforcement, BLM's Authorized Officer and the CPM in the event of suspicious activity or emergency; and	X			8/13/2010	Approved	8/13/2010	10/7/2010	
Hazardous Materials	HAZ-5	The project owner shall prepare a site-specific Operation Security Plan for the operational phase, which shall be made available to BLM's Authorized Officer and the CPM for review and approval. The project owner shall implement site security measures addressing physical site security and hazardous materials storage.	At least 30 days prior to the initial receipt of hazardous materials onsite, the project owner shall notify BLM's Authorized Officer and the CPM that a sitespecific Operations Site Security Plan is available for review and approval. In the Annual Compliance Report, the project owner shall include a statement that all current project employee and appropriate contractor background investigations have been performed, and updated certification statements are appended to the Operations Security Plan. In the Annual Compliance Report, the project owner shall include a statement that the Operations Security Plan includes all current hazardous materials transport vendor certifications for security plans and employee background investigations. The level of security to be implemented shall not be less than that described below (as per NERC 2002). The Operations Security Plan shall include the following: 1. Permanent full perimeter fence or wall, at least eight feet high around the Solar Field; Ivanpah Solar Electric Generating System Page 15 07-AFC-5 2. Main entrance security gate, either hand operable or motorized; 3. Evacuation procedures; 4. Protocol for contacting law enforcement, BLM's Authorized Officer and the CPM in the event of suspicious activity or emergency or conduct endangering the facility, its employees, or contractors; and 5. Written standard procedures for employees, contractors and vendors when encountering suspicious objects or packages on-site or off-site; a. A statement (refer to sample, attachment "A") signed by the project owner certifying that background investigations have been conducted on all project personnel. Background investigations shall be restricted to ascertain the accuracy of employee identity and employment history, and shall be conducted in accordance with state and federal law regarding security and privacy; b. A statement(s) (refer to sample, attachment "B") signed by the contractor or authorized representative(s) for any permanent contractors or other technical contractors (as determined by BLM's Authorized Officer and the CPM after consultation with the project owner) that are present at any time on the site to repair, maintain, investigate, or conduct any other technical duties involving critical components (as determined by BLM's Authorized Officer and the CPM after consultation with the project owner) certifying that background investigations have been conducted on contractor personnel that visit the project site. Background investigations shall be restricted to ascertain the accuracy of employee identity and employment history, and shall be conducted in accordance with state and federal law regarding security and		X	X	TBD	As needed			

Hazardous Materials	HAZ-5 (continued)		8. Closed Circuit TV (CCTV) monitoring system, recordable, and viewable in the power plant control room and security station (if separate from the control room) capable of viewing, at a minimum, the main entrance gate; and 9. Additional measures to ensure adequate perimeter security consisting of either: a. Security guard present 24 hours per day, seven days per week, OR b. Power plant personnel on-site 24 hours per day, seven days per week and all of the following: 1) The CCTV monitoring system required in number 8 above shall include cameras that are able to pan, tilt, and zoom (PTZ), have Ivanpah Solar Electric Generating System Page 16 07-AFC-5 low-light capability, are recordable, and are able to view 100% of the perimeter fence, the outside entrance to the control room, and the front gate from a monitor in the power plant control room; AND 2) Perimeter breach detectors or on-site motion detectors. The project owner shall fully implement the security plans and obtain BLM's Authorized Officer and CPM approval of any substantive modifications to the security plans. BLM's Authorized Officer and the CPM may authorize modifications to these measures, or may require additional measures, such as protective barriers for critical power plant components (e.g., transformers, gas lines, compressors, etc.) depending on circumstances unique to the facility or in response to industry-related standards, security concerns, or additional guidance provided by the		X	X	TBD	As needed			
Hazardous Materials	HAZ-6	The holder (project owner) shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder(s) shall comply with the Toxic Substances Control Act of 1976, as amended (15 U.S.C. 2601, et seq.) with regard to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant. (See 40 CFR, Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR, Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation and Liability Act of 1980, Section 102b	A copy of any report required or requested by any Federal agency or State government entity as a result of a reportable release or spill of any toxic substances shall be furnished to BLM's Authorized Officer and the CPM concurrent with the filing of the reports with the Federal or State governmental entity.		X	X	TBD	As needed			
Land Use	LAND-1	The project owner shall obtain a Right-of-Way Grant (ROW Grant) from the Bureau of Land Management (BLM). Among the conditions for obtaining the ROW grant, the applicant shall provide the following: A. Prior to issuance of any right of way grant, the project owner shall submit a final Plan(s) of Development that describes in detail the construction, operation, maintenance, and termination of the right-of-way and its associated improvements and/or facilities. The project owner shall construct, operate, and maintain the facilities, improvements, and structures within this right-of-way in strict conformity with the final approved Plan of Development. The degree and scope of these plans will vary depending upon (1) the complexity of the right-of-way or its associated improvements and/or facilities, (2) the anticipated conflicts that require mitigation, and (3) additional technical information required by BLM's Authorized Officer and the CPM. The plans will be reviewed, and if appropriate, modified by the project owner until acceptable, and approved by BLM's Authorized Officer and the CPM. B. A bond, acceptable to BLM's Authorized Officer, shall be furnished by the owner prior to the issuance of a Notice to Proceed with construction or at such earlier date as may be specified by BLM's Authorized	At least 30 days prior to the start of construction and prior to any Notice to Proceed with construction issued by BLM's Authorized Officer and the CPM, the project owner shall provide BLM's Authorized Officer and the CPM with documentation of the following: A. BLM's ROW Grant and final approved Plan of Development; B. The bond satisfactory to BLM's Authorized Officer; C. Certification that the project owner acknowledges that the ISEGS development and all related construction, operation, maintenance and closure activities are to be conducted in conformance with the approved Plan of Development and within the approved ROW boundaries for the life of the project.	X			9/17/2010	Approved	10/4/2010	10/7/2010	
Land Use	LAND-2	Project Owner shall allow a setback between the (1) security and tortoise exclusion fence, and (2) the proposed ROW boundary. Once the fencing is constructed, all inspection, monitoring, and maintenance activities required outside of the fencing will occur on lands included within this setback area.	At least thirty (30) days prior to the start of construction, the project owner shall provide BLM's Authorized Officer and the CPM with a revised project description and construction plans specifying the inclusion of a setback area. The setback area shall be a minimum 20 feet wide within the ROW boundaries between the tortoise fence and the ROW boundary on the upslope boundary of the ROW, and a minimum 8-12 foot wide between the tortoise fence and ROW boundary on side and downslope boundaries. The project owner shall also provide BLM's Authorized Officer and the CPM with certification acknowledging that the ISEGS development and all related construction, operation, maintenance and closure activities are to be conducted within the ROW boundaries for the life of the project.	X			7/9/2010	Approved	7/16/2010	10/7/2010	
Land Use	LAND-3	Prior to the start of commercial operations of the first ISEGS power plant to be constructed, the project owner shall prepare plans for a Solar / Ecological Interpretive Center to be developed to in the vicinity of the ISEGS project. The project owner in consultation with the County shall propose a location on-site or off-site that provides a vantage point to observe as many features as is possible of the ISEGS project without compromising safety or security. The project owner's plans for the Solar / Ecological Interpretive Center may be coordinated with San Bernardino County. The Solar / Ecological Interpretive Center shall include or make accessible to the public the following features: 1. surfaced public parking 2. information kiosks describing ISEGS solar energy technology; 3. picnic area with tables, 4. garbage cans; 5. interpretive signs identifying local landmarks and ecological features; 6. a contained restroom facility (or reasonable access to a facility with flush toilets and sinks should the Solar / Ecological Interpretive Center be constructed adjacent to another facility having a restroom)	At least 30 days prior to commercial operation of the first power plant of the ISEGS development, the project owner shall submit plans to BLM's Authorized Officer and the CPM for review and approval for a Solar / Ecological Interpretive Center to be developed in the ISEGS vicinity in coordination with San Bernardino County. Within 6 months of approval of the proposed Solar /Ecological Interpretive Center plans (1) by the Commission and the BLM, for an on-site Center, or (2) by the County of San Bernardino, for an off-site Center, being final and no longer subject to administrative or judicial review, the project owner shall commence construction of the Center and shall to the extent feasible complete construction within one year following the start of construction if the Center is located off of the ISEGS site. If located onsite, then construction of the Center shall follow the completion of all ISEGS construction. Upon completion the project owner shall submit notice to BLM and the Energy Commission that it has completed construction of the Solar / Ecological Interpretive Center. In each Annual Compliance Report, the project owner shall provide a summary of			X	2013	Not yet started			

Facility Design	MECH-1	The project owner shall submit, for CBO design review and approval, the proposed final design, specifications, and calculations for each plant major piping and plumbing system listed in Facility Design Table 2, Condition of Certification GEN-2, above. Physical layout drawings and drawings not related to code compliance and life safety need not be submitted. The submittal shall also include the applicable QA/QC procedures. Upon completion of construction of any such major piping or plumbing system, the project owner shall request the CBO's inspection approval of that construction (2007 CBC, Appendix Chapter 1, section 106.1, Submittal Documents; section 109.5, Inspection Requests; section 109.6, Approval Required; 2007 California Plumbing Code, section 301.1.1, Approvals). The responsible mechanical engineer shall stamp and sign all plans, drawings, and calculations for the major piping and plumbing systems, subject to CBO design review and approval, and submit a signed statement to the CBO when the proposed piping and plumbing systems have been designed, fabricated, and installed in accordance with all of the applicable laws, ordinances, regulations and industry standards (2007 CBC, Appendix Chapter 1, section 106.3.4, Design Professional in Responsible Charge), which may include, but are not limited to: • American National Standards Institute (ANSI) B31.1 (Power Piping Code); • ANSI B31.2 (Fuel Gas Piping Code); • ANSI B31.3 (Chemical Plant and Petroleum Refinery Piping Code); • ANSI B31.8 (Gas Transmission and Distribution Piping Code); • Title 24, California Code of Regulations, Part 5 (California Plumbing Code); • Title 24, California Code of Regulations, Part 6 (California Energy Code, for building energy conservation systems and temperature control and ventilation systems); • Title 24, California Code of Regulations, Part 2 (California Building Code); and • San Bernardino County codes. The CBO may deputize inspectors to carry out the functions of the code enforcement agency (2007 CBC, Appendix Chapter 1, section 103.3, Deputies).	At least 30 days (or within a project owner- and CBO-approved alternative time frame) prior to the start of any increment of major piping or plumbing construction listed in Facility Design Table 1, Condition of Certification GEN-2, above, the project owner shall submit to the CBO for design review and approval the final plans, specifications, and calculations, including a copy of the signed and stamped statement from the responsible mechanical engineer certifying compliance with applicable LORS, and shall send BLM's Authorized Officer and the CPM a copy of the transmittal letter in the next monthly compliance report. The project owner shall transmit to BLM's Authorized Officer and the CPM, in the monthly compliance report following completion of any inspection, a copy of the transmittal letter conveying the CBO's inspection approvals.		X		2011	Ongoing Multiple submittals required			
Facility Design	MECH-2	For all pressure vessels installed in the plant, the project owner shall submit to the CBO and California Occupational Safety and Health administration (Cal/OSHA), prior to operation, the code certification papers and other documents required by applicable LORS. Upon completion of the installation of any pressure vessel, the project owner shall request the appropriate CBO and/or Cal/OSHA inspection of that installation (2007 CBC, Appendix Chapter 1, section 109.5, Inspection Requests). The project owner shall: 1. Ensure that all boilers and fired and unfired pressure vessels are designed, fabricated, and installed in accordance with the appropriate section of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, or other applicable code. Vendor certification, with identification of applicable code, shall be submitted for prefabricated vessels and tanks; and 2. Have the responsible design engineer submit a statement to the CBO that the proposed final design plans, specifications, and calculations conform to all of the requirements set forth in the appropriate ASME Boiler and Pressure Vessel Code or other applicable codes.	At least 30 days (or within a project owner- and CBO-approved alternative time frame) prior to the start of on-site fabrication or installation of any pressure vessel, the project owner shall submit to the CBO for design review and approval the above-listed documents, including a copy of the signed and stamped engineer's certification, with a copy of the transmittal letter to BLM's Authorized Officer and the CPM. The project owner shall transmit to BLM's Authorized Officer and the CPM, in the monthly compliance report following completion of any inspection, a copy of the transmittal letter conveying the CBO's and/or Cal/OSHA inspection approvals.		X		TBD	Not yet started			
Facility Design	MECH-3	The project owner shall submit to the CBO for design review and approval the design plans, specifications, calculations, and quality control procedures for any heating, ventilating, air conditioning (HVAC), or refrigeration system. Packaged HVAC systems, where used, shall be identified with the appropriate manufacturer's data sheets.	The project owner shall design and install all HVAC and refrigeration systems within buildings and related structures in accordance with the CBC and other applicable codes. Upon completion of any increment of construction, the project owner shall request the CBO's inspection and approval of that construction. The final plans, specifications, and calculations shall include approved criteria, assumptions, and methods used to develop the design. In addition, the responsible mechanical engineer shall sign and stamp all plans, drawings, and calculations and submit a signed statement to the CBO that the proposed final design plans, specifications, and calculations conform with the applicable LORS (2007 CBC, Appendix Chapter 1, section 109.3.7, Energy Efficiency Inspections; section 106.3.4, Design Professionals in Responsible Charge). At least 30 days (or within a project owner- and CBO-approved alternative time frame) prior to the start of construction of any HVAC or refrigeration system, the project owner shall submit to the CBO the required HVAC and refrigeration calculations, plans, and specifications, including a copy of the signed and stamped statement from the responsible mechanical engineer		X		2011	Ongoing Multiple submittals required			
Noise & Vibration	NOISE-1	Prior to the start of ground disturbance, the project owner shall notify the operator of the Primm Valley Golf Course, by mail or other effective means, of the commencement of project construction. At the same time, the project owner shall establish a telephone number for use by the public to report any undesirable noise conditions associated with the construction and operation of the project and include that telephone number in the above notice. If the telephone is not staffed 24 hours per day, the project owner shall include an automatic answering feature, with date and time stamp recording, to answer calls when the phone is unattended. This telephone number shall be posted at the project site during construction in a manner visible to passersby. This telephone	At least 15 days prior to ground disturbance, the project owner shall transmit to BLM's Authorized Officer and the Compliance Project Manager (CPM) a statement, signed by the project owner's project manager, stating that the above notification has been performed and describing the method of that notification, verifying that the telephone number has been established and posted at the site, and giving that telephone number.	X			10/7/2010	Approved	10/7/2010	10/7/2010	
Noise & Vibration	NOISE-2	Throughout the construction (including steam blow activities) and operation of the ISEGS, the project owner shall document, investigate, evaluate, and attempt to resolve all project related noise complaints. The project owner or authorized agent shall: • Use the Noise Complaint Resolution Form (below), or a functionally equivalent procedure acceptable to BLM's Authorized Officer and the CPM, to document and respond to each noise complaint; • Attempt to contact the person(s) making the noise complaint within 24 hours; • Conduct an investigation to determine the source of noise related to the complaint; • Take all feasible measures to reduce the noise at its source if the noise is project related; and • Submit a report documenting the complaint and the actions taken. The report shall include: a complaint summary, including final results of noise reduction efforts, and if obtainable, a signed	Within 5 days of receiving a noise complaint, the project owner shall file a copy of the Noise Complaint Resolution Form with BLM's Authorized Officer and the CPM, documenting the resolution of the complaint. If mitigation is required to resolve a complaint, and the complaint is not resolved within a 3-day period, the project owner shall submit an updated Noise Complaint Resolution Form when the mitigation is implemented.		X	X	TBD	As needed			
Noise & Vibration	NOISE-3	The project owner shall submit to BLM's Authorized Officer and the CPM for review and approval a noise control program and a statement, signed by the project owner's project manager, verifying that the noise control program will be implemented throughout construction of the project. The noise control program shall be used to reduce employee exposure to high noise levels during construction and also to comply with applicable OSHA and Cal/OSHA standards.	At least 30 days prior to the start of ground disturbance, the project owner shall submit to BLM's Authorized Officer and the CPM the noise control program and the project owner's project manager's signed statement. The project owner shall make the program available to Cal/OSHA upon request.	X			8/13/2010	Approved	8/11/2010	10/7/2010	

Noise & Vibration	NOISE-4	The project design and implementation shall include appropriate noise mitigation measures adequate to ensure that operation of the project will not cause noise complaints from residents of Primm, Nevada, or from the operator of the Primm Valley Golf Course or from visitors from the Mojave National Preserve. If legitimate project-related noise complaints are received from residents of Primm, the project owner shall perform a noisesurvey to demonstrate that noise levels due to plant operation do not exceed an average of 45 dBA Leq measured at the nearest residence of the community of Primm, Nevada. If legitimate project-related noise complaints are received from the operator of the Primm Valley Golf Course, or the visitors from the Mojave National Preserve, the project owner shall perform a noise survey to demonstrate that noise levels due to plant operation do not exceed an average of 55 dBA Leq measured at the nearest boundary of the golf course, or the nearest boundary of the Mojave National Preserve, respectively. No new project components creating pure-tone noises will be added to the project unless they are balanced by other plant features. No single piece of equipment shall be allowed to stand out as a source of noise that draws legitimate complaints. A. The measurement of power plant noise for the purposes of demonstrating compliance with this condition of certification may alternatively be made at a location, acceptable to BLM's Authorized Officer and the CPM, closer to the plant (e.g., 400 feet from the plant boundary) and this measured level then	The survey shall take place within 30 days of the receipt of the noise complaint, unless the complaint has been resolved to the complaining party's satisfaction. Within 15 days after completing the survey, the project owner shall submit a summary report of the survey to BLM's Authorized Officer and the CPM. Included in the survey report will be a description of additional mitigation measures (if any) necessary to achieve compliance with the above-listed noise limit and a schedule, subject to BLM's Authorized Officer and CPM approval, for implementing these measures. When these measures are in place, the project owner shall repeat the noise survey. Within 15 days of completion of the new survey, the project owner shall submit to BLM's Authorized Officer and the CPM a summary report of the new noise survey, performed as described above and showing compliance with this condition.		X	X	TBD	As needed			
Noise & Vibration	NOISE-5	Following each phase (Ivanpah 1, Ivanpah 2, and Ivanpah 3) of the project's first achieving a sustained output of 80 percent or greater of rated capacity, the project owner shall conduct an occupational noise survey to identify the noise hazardous areas in the facility. The surveys shall be conducted by a qualified person in accordance with the provisions of Title 8, California Code of Regulations sections 5095–5099 and Title 29, Code of Federal Regulations section 1910.95. The survey results shall be used to determine the magnitude of employee noise exposure. The project owner shall prepare reports of the survey results and, if necessary, identify proposed mitigation measures that will be employed to comply with the applicable California and federal regulations	Within 30 days after completing each survey, the project owner shall submit the noise survey report to BLM's Authorized Officer and the CPM. The project owner shall make the reports available to OSHA and Cal/OSHA upon request.		X	X	TBD	As needed			
Noise & Vibration	NOISE-6	Noisy construction work or heavy equipment operation that causes offsite annoyance as evidenced by the filing of a legitimate noise complaint shall be restricted to 7:00 am to 7:00 pm time period. Haul trucks shall be operated in accordance with posted speed limits. Truck engine exhaust brake	Prior to ground disturbance, the project owner shall transmit to BLM's Authorized Officer and the CPM a statement acknowledging that the above restrictions will be observed throughout the construction of the project.	X			8/13/2010	Approved	7/28/2010	9/2/2010	
Noise & Vibration	NOISE-7	If a high-pressure steam blow is employed, the project owner shall equip steam blow piping with a temporary silencer or take other effective measures that quiet the noise of steam blows to no greater than 60 dBA measured at the Primm Valley Golf Club to no greater than 55 dBA measured at any affected residential locations in Primm, NV and to no greater thatn 55 dBA measured at the nearest boundary of the Mojave national Preserve. The project owner shall conduct high-pressure steam blows only during the hours of 7:00 a.m. to 7:00 p.m. If a low-pressure continuous steam blow is employed, the project owner shall limit the noise of steam blows to no greater than 45 dBA measured at any affected residential location in Primm, NV. In lieu of specifying the level of silencing above, the project owner may alternatively submit an analysis to the BLM's Authorized Officer and the CPM that documents that during either high or low pressure steam blows, steam blow noise levels would not exceed 60 dBA at the Primm Valley Golf Club (daytime), or 55 dBA (daytime)/45 dBA (nighttime) at the nearest residential location in Primm.	At least fifteen (15) days prior to the first high pressure steam blow, the project owner shall submit to BLM's Authorized Officer and the CPM drawings or other information describing the temporary steam blow silencer or other noise attenuating measures to be taken, the noise levels expected and a description of the steam blow schedule. At least fifteen (15) days prior to any low-pressure continuous steam blow, the project owner shall submit to BLM's Authorized Officer and the CPM drawings or other information describing the process, including the noise levels expected and the projected time schedule for execution of the process.		X		TBD	Not yet started			
Geology & Paleontology	PAL-1	The project owner shall provide BLM's Authorized Officer and the Compliance Project Manager (CPM) with the resume and qualifications of its PRS for review and approval. If the approved PRS is replaced prior to completion of project mitigation and submittal of the Paleontological Resources Report, the project owner shall obtain BLM's Authorized Officer and CPM approval of the replacement PRS. The project owner shall keep resumes on file for qualified Paleontological Resource Monitors (PRMs). If a PRM is replaced, the resume of the replacement PRM shall also be provided to BLM's Authorized Officer and the CPM. The PRS resume shall include the names and phone numbers of references. The resume shall also demonstrate to the satisfaction of BLM's Authorized Officer and the CPM the appropriate education and experience to accomplish the required paleontological resource tasks. As determined by BLM's Authorized Officer and the CPM, the PRS shall meet the minimum qualifications for a vertebrate paleontologist as described in the Society of Vertebrate Paleontology (SVP) guidelines of 1995. The experience of the PRS shall include the following: 1. Institutional affiliations, appropriate credentials, and college degree; 2. Ability to recognize and collect fossils in the field; 3. Local geological and biostratigraphic expertise; 4. Proficiency in identifying vertebrate and invertebrate fossils; and 5. At least three years of paleontological resource mitigation and field experience in California and at least one year of experience leading paleontological resource mitigation and field activities. The project owner shall ensure that the PRS obtains qualified paleontological resource monitors to monitor as he or she deems necessary on the project. Paleontological Resource Monitors (PRMs) shall have the equivalent of the	(1) At least 60 days prior to the start of ground disturbance, the project owner shall submit a resume and statement of availability of its designated PRS for onsite work. (2) At least 20 days prior to ground disturbance, the PRS or project owner shall provide a letter with resumes naming anticipated monitors for the project, stating that the identified monitors meet the minimum qualifications for paleontological resource monitoring required by the condition. If additional monitors are obtained during the project, the PRS shall provide additional letters and resumes to BLM's Authorized Officer and the CPM. The letter shall be provided to BLM's Authorized Officer and the CPM no later than one week prior to the monitor's beginning on-site duties. (3) Prior to the termination or release of a PRS, the project owner shall submit the resume of the proposed new PRS to BLM's Authorized Officer and the CPM for review and approval.	X			6/11/2010	Approved	6/11/2010	10/7/2010	
Geology & Paleontology	PAL-2	The project owner shall provide to the PRS, BLM's Authorized Officer and the CPM, for approval, maps and drawings showing the footprint of the power plants, construction lay down areas, and all related facilities. Maps shall identify all areas of the project where ground disturbance is anticipated. If the PRS requests enlargements or strip maps for linear facility routes, the project owner shall provide copies to the PRS, BLM's Authorized Officer and CPM. The site grading plan and plan and profile drawings for the utility lines would be acceptable for this purpose. The plan drawings should show the location, depth, and extent of all ground disturbances and be at a scale of 1 inch = 40 feet to 1 inch = 100 feet range. If the footprint of the project or its linear facilities change, the project owner shall provide maps and drawings reflecting those changes to the PRS, BLM's Authorized Officer and CPM. If construction of the ISEGS project proceeds in phases, maps and drawings may be submitted prior to the start of each power plant. A letter identifying the proposed schedule of each project power plant shall be provided to the PRS, BLM's Authorized Officer and CPM. Before work commences on affected power plants, the project owner shall notify the PRS, BLM's Authorized Officer and CPM of any construction phase scheduling changes. At a minimum, the project owner shall ensure that the PRS or PRM consults weekly with the project superintendent or construction field manager to confirm area(s) to be worked the following week, and until ground disturbance is completed.	(1) At least 30 days prior to the start of ground disturbance for each phase of the project, the project owner shall provide the maps and drawings to the PRS, BLM's Authorized Officer and CPM. (2) If there are changes to the footprint of the project, revised maps and drawings shall be provided to the PRS, BLM's Authorized Officer and CPM at least 15 days prior to the start of ground disturbance for each phase of the project. (3) If there are changes to the scheduling of the construction phases of each power plant, the project owner shall submit a letter to BLM's Authorized Officer and the CPM within 5 days of identifying the changes.	X			8/2/2010	Approved	7/30/2010	9/2/2010	

Geology & Paleontology	PAL-3	If after review of the plans provided pursuant to PAL-2, the PRS determines that materials with moderate, high, or unknown paleontological sensitivity could be impacted, the project owner shall ensure that the PRS prepares, and the project owner submits to BLM's Authorized Officer and the CPM for review and approval, a paleontological resources monitoring and mitigation plan (PRMMP) to identify general and specific measures to minimize potential impacts to paleontological resources. Approval of the PRMMP by BLM's Authorized Officer and the CPM shall occur prior to any ground disturbance. The PRMMP shall function as the formal guide for monitoring, collecting, and sampling activities, and may be modified with BLM's Authorized Officer and CPM approval. This document shall be used as the basis of discussion when on-site decisions or changes are proposed. Copies of the PRMMP shall reside with the PRS, each monitor, the project owner's on-site manager, BLM's Authorized Officer and the CPM. The PRMMP shall be developed in accordance with the guidelines of the Society of Vertebrate Paleontology (SVP 1995) and shall include, but not be limited, to the following: 1. Assurance that the performance and sequence of project-related tasks, such as any literature searches, pre-construction surveys, worker environmental training, fieldwork, flagging or staking, construction monitoring, mapping and data recovery, fossil preparation and collection, identification and inventory, preparation of final reports, and transmittal of materials for curation will be performed according to PRMMP procedures; 2. Identification of the person(s) expected to assist with each of the tasks identified within the PRMMP	At least 30 days prior to ground disturbance, the project owner shall provide a copy of the PRMMP to BLM's Authorized Officer and the CPM. The PRMMP shall include an affidavit of authorship by the PRS, and acceptance of the PRMMP by the project owner evidenced by a signature.	X			8/13/2010	Approved	8/20/2010	9/30/2010	
Geology & Paleontology	PAL-3 (Conintued)	3. A thorough discussion of the anticipated geologic units expected to be encountered, the location and depth of the units relative to the project when known, and the known sensitivity of those units based on the occurrence of fossils either in that unit or in correlative units; 4. An explanation of why, how, and how much sampling is expected to take place and in what units. Include descriptions of different sampling procedures that shall be used for fine-grained and coarse-grained units; 5. A discussion of the locations of where the monitoring of project construction activities is deemed necessary, and a proposed plan for monitoring and sampling; 6. A discussion of procedures to be followed in the event of a fossil discovery, halting construction, resuming construction, and how notifications will be performed; 7. A discussion of equipment and supplies necessary for collection of fossil materials and any specialized equipment needed to prepare, remove, load, transport, and analyze large-sized fossils or extensive fossil deposits; 8. Procedures for inventory, preparation, and delivery for curation into a retrievable storage collection in a public repository or museum, which meet the Society of Vertebrate Paleontology's standards and requirements for the curation of paleontological resources; 9. Identification of the institution that has agreed to receive data and fossil materials collected, requirements or specifications for materials delivered for curation, and how they will be met, and the name and	At least 30 days prior to ground disturbance, the project owner shall provide a copy of the PRMMP to BLM's Authorized Officer and the CPM. The PRMMP shall include an affidavit of authorship by the PRS, and acceptance of the PRMMP by the project owner evidenced by a signature.	X			8/13/2010	Approved	8/20/2010	9/30/2010	
Geology & Paleontology	PAL-4	If after review of the plans provided pursuant to PAL-2, the PRS determines that materials with moderate, high, or unknown paleontological sensitivity could be impacted then, prior to ground disturbance and for the duration of construction activities involving ground disturbance, the project owner and the PRS shall prepare and conduct weekly BLM Authorized Officer- and CPM approved training for the following workers: project managers, construction supervisors, foremen and general workers involved with or who operate ground-disturbing equipment or tools. Workers shall not excavate in sensitive units prior to receiving BLM Authorized Officer- and CPM-approved worker training. Worker training shall consist of an initial in-person PRS training during the project kick-off, for those mentioned above. Following initial training, a CPM-approved video or in-person training may be used for new employees. The training program may be combined with other training programs prepared for cultural and biological resources, hazardous materials, or other areas of interest or concern. No ground disturbance shall occur prior to BLM's Authorized Officer and CPM approval of the Worker Environmental Awareness Program (WEAP), unless specifically approved by the CPM. The WEAP shall address the possibility of encountering paleontological resources in the field, the sensitivity and importance of these resources, and legal obligations to preserve and protect those resources. The training shall include: 1. A discussion of applicable laws and penalties under the law; 2. Good quality photographs or physical examples of vertebrate fossils for project sites containing units of high paleontological sensitivity; 3. Information that the PRS or PRM has the authority to halt or redirect construction in the event of a discovery or unanticipated impact to a paleontological resource; 4. Instruction that employees are to halt or redirect work in the vicinity of a find and to contact their supervisor and the PRS or PRM; 5. An informational brochure that identifies reporting procedures in the event of a discovery; 6. A WEAP certification of completion form signed by each worker indicating that he/she has received the training; and	1) At least 30 days prior to ground disturbance, the project owner shall submit to the BLM's Authorized Officer and the CPM the proposed WEAP, including the brochure, with the set of reporting procedures for workers to follow. (2) At least 30 days prior to ground disturbance, the project owner shall submit the script and final video to BLM's Authorized Officer and the CPM for approval if the project owner is planning to use a video for interim training. (3) If the owner requests an alternate paleontological trainer, the resume and qualifications of the trainer shall be submitted to BLM's Authorized Officer and the CPM for review and approval prior to installation of an alternate trainer. Alternate trainers shall not conduct training prior to BLM's Authorized Officer and CPM authorization. (4) In the monthly compliance report (MCR, the project owner shall provide copies of the WEAP certification of completion forms with the names of those trained and the trainer or type of training (in-person or video) offered that month. The MCR shall also include a running total of all persons who have completed the training to date.	X	X		7/2/2010	Approved	7/6/2010	9/30/2010	

Geology & Paleontology	PAL-5	The project owner shall ensure that the PRS and PRM(s) monitor consistent with the PRMMP all construction-related grading, excavation, trenching, and augering in areas where potential fossil-bearing materials have been identified, both at the site and along any constructed linear facilities associated with the project. In the event that the PRS determines full-time monitoring is not necessary in locations that were identified as potentially fossil-bearing in the PRMMP, the project owner shall notify and seek the concurrence of BLM's Authorized Officer and the CPM. The project owner shall ensure that the PRS and PRM(s) have the authority to halt or redirect construction if paleontological resources are encountered. The project owner shall ensure that there is no interference with monitoring activities unless directed by the PRS. Monitoring activities shall be conducted as follows: 1. Any change of monitoring from the accepted schedule in the PRMMP shall be proposed in a letter or email from the PRS and the project owner to BLM's Authorized Officer and will be included in the monthly compliance report. The letter or email shall include the justification for the change in monitoring and be submitted to BLM's Authorized Officer and the CPM for review and approval. 2. The project owner shall ensure that the PRM(s) keep a daily monitoring log of paleontological resource activities. The PRS may informally discuss paleontological resource monitoring and mitigation activities with BLM's Authorized Officer and the CPM at any time. 3. The project owner shall ensure that the PRS notifies BLM's Authorized Officer and the CPM within 24 hours of the occurrence of any incidents of non-compliance with any paleontological resources conditions of certification. The PRS shall recommend corrective action to resolve the issues or achieve compliance with the conditions of certification. 4. For any paleontological resources encountered, either the project owner or the PRS shall notify BLM's Authorized Officer and the CPM within 24 hours, or Monday morning in the case of a weekend event where construction has been halted because of a paleontological find. The project owner shall ensure that the PRS prepares a summary of monitoring and other paleontological activities placed in the monthly compliance reports. The summary will include the name(s) of PRS or PRM(s) active during the month, general descriptions of training and monitored construction activities,	The project owner shall ensure that the PRS submits the summary of monitoring and paleontological activities in the MCR. When feasible, BLM's Authorized Officer and the CPM shall be notified 10 days in advance of any proposed changes in monitoring different from the plan identified in the PRMMP. If there is any unforeseen change in monitoring, the notice shall be given as soon as possible prior to implementation of the change.		X		Monthly	Ongoing			
Geology & Paleontology	PAL-6	The project owner, through the designated PRS, shall ensure that all components of the PRMMP are adequately performed including collection of fossil materials, preparation of fossil materials for analysis, analysis of fossils, identification and inventory of fossils, the preparation of fossils for curation, and the delivery for curation of all paleontological resource materials encountered and collected during project construction.	The project owner shall maintain in his/her compliance file copies of signed contracts or agreements with the designated PRS and other qualified research specialists. The project owner shall maintain these files for a period of three years after project completion and approval of BLM Authorized Officer- and CPM-approved paleontological resource report (see PAL-7). The project owner shall be responsible for paying any curation fees charged by the museum for fossils collected and curated as a result of paleontological mitigation. A copy of the letter of transmittal submitting the fossils to the curating institution shall be provided to BLM's Authorized		X	X	As needed	As needed			
Geology & Paleontology	PAL-7	The project owner shall ensure preparation of a Paleontological Resources Report (PRR) by the designated PRS. The PRR shall be prepared following completion of the ground-disturbing activities. The PRR shall include an analysis of the collected fossil materials and related information, and submit it to the CPM for review and approval. The report shall include, but is not limited to, a description and inventory of recovered fossil materials; a map showing the location of paleontological resources encountered; determinations of sensitivity and significance; and a statement by the PRS that project impacts to paleontological resources have been mitigated below the level of significance.	Within 90 days after completion of ground-disturbing activities, including landscaping, the project owner shall submit the PRR under confidential cover to BLM's Authorized Officer and the CPM.		X	X	2013	Not yet started			
Recreation	REC-1	Prior to the start of construction and in conformance with § 25529 of the Warren-Alquist Act, the project owner shall prepare plans for a Solar / Ecological Interpretive Center to be developed in the ISEGS Construction Logistics Area and submit them to BLM's Authorized Officer and the CPM for review and approval. The plans shall propose a location that if possible provides a vantage point to observe as many features as is possible of the ISEGS project without compromising ISEGS security requirements. The Solar / Ecological Interpretive Center shall include the following features: 1. surfaced public parking for 12 vehicles (4 of which would allow vehicles with trailers); 2. information kiosks describing ISEGS solar energy technology; 3. picnic area with 8 shaded tables; 4. garbage cans; 5. interpretive signs identifying local landmarks and ecological features; 6. a two stall contained restroom facility (or a facility with flush toilets and sinks); 7. a drinking fountain; and 8. native plant landscaping with plant identification labels. Prior to commercial operation of the first constructed power plant of the ISEGS development, the project owner shall complete construction of the Solar / Ecological Interpretive Center and request final approval	Verification: At least 30 days prior to construction of the first power plant of the ISEGS development, the project owner shall submit plans for a Solar / Ecological Interpretive Center to be developed in the ISEGS Construction Logistics Area and submit them to BLM's Authorized Officer and the CPM for review and approval. Prior to commercial operation, the project owner shall submit notice to BLM and the Energy Commission that it has completed construction of the Solar / Ecological Interpretive Center and shall request final approval by both BLM's Authorized Officer and the CPM.After commercial operation and in each Annual Compliance Report for the life of the ISEGS project, the project owner shall provide a summary of estimated public utilization of the Solar / Ecological Interpretive Center and summarize any issues associated with operating and maintenance activities.		X	X	2011	Not yet started			
Recreation	REC-2	The applicant shall allow and be required to afford public access to the routes for which BLM grants a right of way, as noted above. **Effectiveness:** By allowing public access to the routes that are redirected around the project perimeter, the current level of public access to recreational areas would be maintained.	No Verification: see Effectiveness		X	X	N/A	N/A			

Soil & Water	S&W-1	Prior to site mobilization, the project owner shall obtain both BLM's Authorized Officer and the CPM's approval for a site specific DESCP that ensures protection of water quality and soil resources of the project site and all linear facilities for both the construction and operation phases of the project. This plan shall address appropriate methods and actions, both temporary and permanent, for the protection of water quality and soil resources, demonstrate no increase in off-site flooding potential, and identify all monitoring and maintenance activities. The project owner shall complete all engineering plans, reports, and documents necessary for both LM's Authorized Officer and the CPM to conduct a review of the proposed project and provide a written evaluation as to whether the proposed grading, drainage improvements, and flood management activities comply with all requirements presented herein. The plan shall be consistent with the grading and drainage plan as required by Condition of Certification CIVIL-1 and shall contain the following elements: **Vicinity Map:** A map shall be provided indicating the location of all project elements with depictions of all major geographic featuers to include watercourses, washes, irrigation and canals, major utilities, roads, and drainage facilities. Adjacent property owners shall be identified on the plan maps. All maps shall be presented at a ledgible scale. **Site Delineation:** The site and all project elements shall be delineated showing boundary lines of all construction areas and the location of all existing and proposed structures, underground utilities, roads, and drainage facilities. Adjacent property owners shall be identified on the plan maps. All maps shall be presented at a legible scale **Drainage:** The DESCP shall include the following elements: a. Topography. Topography for offsite areas are required to define the existing upstream tributary areas to the site and downstream to provide enough definition to map the existing storm water flow and flood hazard. Spot elevations shall be required where relatively flat conditions exist. b. Proposed Grade. Proposed grade contours shall be shown at a scale appropriate for delineation of onsite ephemeral washes, drainage ditches, and tie-ins to the existing topography. c. Hydrology. Existing and proposed hydrologic calculations for onsite areas and offsite areas that drain to the site; include maps showing the drainage area boundaries and sizes in acres, topography and typical overland flow directions, and show all existing, interim, and proposed drainage infrastructure and their intended direction of flow. d. Hydraulics. Provide hydraulic calculations to support the selection and sizing of the onsite drainage network, diversion facilities and BMPs.	The DESCP shall be consistent with the grading and drainage plan as required by Condition of Certification CIVIL-1, and relevant portions of the DESCP shall be submitted to the chief building official (CBO) for review and approval. In addition, the project owner shall do all of the following: a. No later than ninety (90) days prior to start of site mobilization, the project owner shall submit a copy of the DESCP to the County of San Bernardino and the RWQCB for review and comment. Both BLM's Authorized Officer and the CPM shall consider comments received from San Bernardino County and RWQCB and approve the DESCP. b. During construction, the project owner shall provide an analysis in the monthly compliance report on the effectiveness of the drainage-, erosion- and sedimentcontrol measures and the results of monitoring and maintenance activities. c. Once operational, the project owner shall provide in the annual compliance report information on the results of storm water BMP monitoring and maintenance activities. d. Provide BLM's Authorized Officer and the CPM with two (2) copies each of all monitoring or compliance reports.	X	X	X	7/1/2010	DESCP (Phase 1) Approved; (Phase 2) Submitted; (Phase 3) Submitted	DESCP (Phase 1) 6/18/2010; (Phase 2) 1/28/2011; (Phase 3) 4/18/2011	DESCP (Phase 1) 10/4/2010	
Soil & Water	S&W-1 (continued)	**Site Delineation:** The site and all project elements shall be delineated showing boundary lines of all construction areas and the location of all existing and proposed structures, underground utilities, roads, and drainage facilities. Adjacent property owners shall be identified on the plan maps. All maps shall be presented at a legible scale **Drainage:** The DESCP shall include the following elements: a. Topography. Topography for offsite areas are required to define the existing upstream tributary areas to the site and downstream to provide enough definition to map the existing storm water flow and flood hazard. Spot elevations shall be required where relatively flat conditions exist. b. Proposed Grade. Proposed grade contours shall be shown at a scale appropriate for delineation of onsite ephemeral washes, drainage ditches, and tie-ins to the existing topography. c. Hydrology. Existing and proposed hydrologic calculations for onsite areas and offsite areas that drain to the site; include maps showing the drainage area boundaries and sizes in acres, topography and typical overland flow directions, and show all existing, interim, and proposed drainage infrastructure and their intended direction of flow. d. Hydraulics. Provide hydraulic calculations to support the selection and sizing of the onsite drainage network, diversion facilities and BMPs. **Watercourses and Critical Areas:** The DESCP shall show the location of all onsite and nearby watercourses	The DESCP shall be consistent with the grading and drainage plan as required by Condition of Certification CIVIL-1, and relevant portions of the DESCP shall be submitted to the chief building official (CBO) for review and approval. In addition, the project owner shall do all of the following: a. No later than ninety (90) days prior to start of site mobilization, the project owner shall submit a copy of the DESCP to the County of San Bernardino and the RWQCB for review and comment. Both BLM's Authorized Officer and the CPM shall consider comments received from San Bernardino County and RWQCB and approve the DESCP. b. During construction, the project owner shall provide an analysis in the monthly compliance report on the effectiveness of the drainage-, erosion- and sedimentcontrol measures and the results of monitoring and maintenance activities. c. Once operational, the project owner shall provide in the annual compliance report information on the results of storm water BMP monitoring and maintenance activities. d. Provide BLM's Authorized Officer and the CPM with two (2) copies each of all monitoring or compliance reports.	X	X	X	7/1/2010	Approved	6/18/2010	10/4/2010	
Soil & Water (Continued)	S&W-1 (continued)	**Clearing and Grading:** The plan shall provide a delineation of all areas to be cleared of vegetation, areas to be preserved, and areas where vegetation would be cut to allow clear movement of the heliostats. The plan shall provide elevations, slopes, locations, and extent of all proposed grading as shown by contours, cross-sections, cut/fill depths or other means. The locations of any disposal areas, fills, or other special features shall also be shown. Existing and proposed topography tying in proposed contours with existing topography shall be illustrated. The DESCP shall include a statement of the quantities of material excavated at the site, whether such excavations or fill is temporary or permanent, and the amount of such material to be imported or exported or a statement explaining that there would be no clearing and/or grading conducted for each element of the project. Areas of no disturbance shall be properly identified and delineated on the plan maps. **Soil Wind and Water Erosion Control:** The plan shall address exposed soil treatments to be used during construction and operation of the proposed project for both road and non-road surfaces including specifically identifying all chemical based dust palliatives, soil bonding, and weighting agents appropriate for use at the proposed project site that would not cause adverse effects to vegetation; BMPs shall include measures designed to prevent wind and water erosion including application of chemical dust palliatives after rough grading to limit water use. All dust palliatives, soil binders, and weighting agents shall be	The DESCP shall be consistent with the grading and drainage plan as required by Condition of Certification CIVIL-1, and relevant portions of the DESCP shall be submitted to the chief building official (CBO) for review and approval. In addition, the project owner shall do all of the following: a. No later than ninety (90) days prior to start of site mobilization, the project owner shall submit a copy of the DESCP to the County of San Bernardino and the RWQCB for review and comment. Both BLM's Authorized Officer and the CPM shall consider comments received from San Bernardino County and RWQCB and approve the DESCP. b. During construction, the project owner shall provide an analysis in the monthly compliance report on the effectiveness of the drainage-, erosion- and sedimentcontrol measures and the results of monitoring and maintenance activities. c. Once operational, the project owner shall provide in the annual compliance report information on the results of storm water BMP monitoring and maintenance activities. d. Provide BLM's Authorized Officer and the CPM with two (2) copies each of all monitoring or compliance reports.	X	X	X	7/1/2010	Approved	6/18/2010	10/4/2010	
Soil & Water	S&W-1 (continued)	**Best Management Practices:** The DESCP shall show the location, timing, and maintenance schedule of all erosion- and sediment-control BMPs to be used prior to initial grading, during project element excavation and construction, during final grading/stabilization, and after construction. BMPs shall include measures designed to control dust and stabilize construction access roads and entrances. The maintenance schedule shall include post-construction maintenance of treatment-control BMPs applied to disturbed areas following construction. **Erosion Control Drawings:** The erosion-control drawings and narrative shall be designed, stamped and sealed by a professional engineer or erosion control specialist. **Agency Comments:** The DESCP shall include copies of recommendations from the County of San Bernardino, California Department of Fish and Game (CDFG), and Lahontan Regional Water Quality Control Board (RWQCB). **Monitoring Plan**: Monitoring activities shall include routine measurement of the volume of accumulated sediment in the onsite drainage ditches, and storm water diversions and the requirements specified in Appendix B, C,and D.	The DESCP shall be consistent with the grading and drainage plan as required by Condition of Certification CIVIL-1, and relevant portions of the DESCP shall be submitted to the chief building official (CBO) for review and approval. In addition, the project owner shall do all of the following: a. No later than ninety (90) days prior to start of site mobilization, the project owner shall submit a copy of the DESCP to the County of San Bernardino and the RWQCB for review and comment. Both BLM's Authorized Officer and the CPM shall consider comments received from San Bernardino County and RWQCB and approve the DESCP. b. During construction, the project owner shall provide an analysis in the monthly compliance report on the effectiveness of the drainage-, erosion- and sedimentcontrol measures and the results of monitoring and maintenance activities. c. Once operational, the project owner shall provide in the annual compliance report information on the results of storm water BMP monitoring and maintenance activities.	X	X	X	7/1/2010	Approved	6/18/2010	10/4/2010	

Soil & Water	S&W-2	The project owner shall comply with the requirements specified in Appendix B, C, and D for dredge and fill, wastewater, and storm water discharges associated with construction and industrial activity. These requirements relate to discharges, or potential discharges, of waste that could affect the quality of waters of the state, and were developed in consultation with staff of the State Water Resources Control Board and/or the applicable California Regional Water Quality Control Board (hereafter "Water Boards"). It is the Commission's intent that these requirements be enforceable by both the Commission and the Water Boards. In furtherance of that objective, the Commission hereby delegates the enforcement of these requirements, and associated monitoring, inspection and annual fee collection authority, to the Water Boards. Accordingly, the Commission and the Water Board shall confer with each other and coordinate, as needed, in the enforcement of the requirements. The project owner shall pay the annual waste discharge permit fee associated with this facility to the Water Boards. In addition, the Water Boards may "prescribe" these requirements as waste discharge requirements pursuant to Water Code Section 13263 solely for the purposes of enforcement, monitoring, inspection, and the assessment of annual fees, consistent with Public Resources Code	At least sixty (60) days prior to construction, the project owner shall submit to both BLM's Authorized Officer and the CPM a copy of the construction SWPPP for construction of the project for review and approval. At least sixty (60) days prior to commercial operation, the project owner shall submit to both BLM's Authorized Officer and the CPM a copy of the Industrial SWPPP for operation of the project for review and approval prior to commercial operation. The project owner shall retain a copy on site. The project owner shall submit copies to both BLM's Authorized Officer and the CPM of all correspondence between the project owner and the Lahotan RWQCB regarding the WDRs for discharge of storm water associated with construction and industrial activity within ten (10) days of its receipt or submittal. .	X	X		7/19/2010	Approved; Annual Report No. 1 Filed 9.1.2011	7/16/2010	9/30/2010	
Soil & Water	S&W-3	Pre-Well Installation. The project owner shall construct and operate up to two onsite groundwater wells that produce water from the IVGB. The project owner shall ensure that the wells are completed in accordance with all applicable state and local water well construction permits and requirements, including the San Bernardino County's Desert Groundwater Management Ordinance. Prior to initiation of well construction activities, the project owner shall submit for review and comment a well construction packet to the County of San Bernardino, in accordance with the County of San Bernardino Code Title 2, Division 3, Chapter 6, Article 5, containing the documentation, plans, and fees normally required for the county's well permit, with copies to both BLM's Authorized Officer and the CPM. The project shall not construct a well or extract and use groundwater until both BLM's Authorized Officer and the CPM provides approval to construct and operate the well. Post-Well Installation. The project owner shall provide documentation to both BLM's Authorized Officer and the CPM that the well has been properly completed. In accordance with California's Water Code section 13754, the driller of the well shall submit to the DWR a Well Completion Report for each well installed.	The project owner shall ensure the Well Completion Reports are submitted and shall ensure compliance with all county water well standards and requirements for the life of the wells. The project owner shall do all of the following: 1. No later than 180 days prior to the construction of the onsite groundwater wells, the project owner shall submit a Groundwater Monitoring and Management Plan to the County of San Bernardino for review and comment (see Condition of Certification Soil & Water - 6) 2. No later than sixty (60) days prior to the construction of the onsite groundwater wells, the project owner shall submit to both BLM's Authorized Officer and the CPM a copy of the water well construction packet submitted to the County of San Bernardino for review and comment. 3. No later than thirty (30) days prior to the construction of the onsite water supply wells, the project owner shall submit a copy of any written comments received from the County of San Bernardino indicating whether the proposed well construction activities comply with all county well requirements and meet the requirements established by the county's water well permit program. 4. No later than sixty (60) days after installation of each well at the project site, the project owner shall provide to both BLM's Authorized Officer and the CPM copies of the Well Completion Reports submitted to the DWR by the well driller. The project owner shall submit to the CPM with the Well Completion Report a copy of well drilling logs, water quality analyses, and any inspection reports. 5. During well construction and for the operational life of the well, the project owner shall submit two (2) copies each to BLM's Authorized Officer and the CPM for review and approval any proposed well construction or operation changes. 6. The project owner shall provide BLM's authorized officer and the CPM with (2) two copies		X		9/23/2010	Approved; 7/14/2011 Well Completion Report Filed	11/1/2010	11/5/2010	
Soil & Water	S&W-4	The proposed project's use of groundwater during each year of construction shall not exceed an average of 200 acre-feet per year over the forty-three (43) month construction period. Groundwater use for operations activities shall not exceed 100 acre-feet per year. Prior to the use of groundwater for construction, the project owner shall install and maintain metering devices as part of the water supply and distribution system to document project water use and to monitor and record in gallons per day the total volume(s) of water supplied to the project from this water source. The metering devices shall be operational for the life of the project.	Beginning six (6) months after the start of construction, the project owner shall prepare a semi-annual summary of amount of water used for construction purposes. The summary shall include the monthly range and monthly average of daily water usage in gallons per day. At least sixty (60) days prior to the start of construction of the proposed project, the project owner shall submit to both BLM's Authorized Officer and the CPM a copy of evidence that metering devices have been installed and are operational. The project owner shall prepare an annual summary, which will include daily usage, monthly range and monthly average of daily water usage in gallons per day, and total water used on a monthly and annual basis in acre-feet. For years subsequent to the initial year of operation, the annual summary will also include the yearly range and yearly average water use by source. For calculating the total water use, the term "year" will		X		2011	Ongoing	Semi Annual Water Usage Calcs filed on 5/9/2011; 10/7/2011; 4/20/2012		
Soil & Water	S&W-5	The project owner shall ensure that the heliostats are designed and installed to withstand storm water scour as a result of a 100-year storm event. The analysis of the storm event and resulting heliostat stability will be provided within a Pylon Insertion Depth and Heliostat Stability Report to be completed by the applicant. This analysis will incorporate results from site-specific geotechnical stability testing, as well as hydrologic and hydraulic stormwater modeling performed by the applicant. The modeling will be completed using methodology and assumptions approved by the CPM and BLM's Authorized Officer.	The basis for determination of pylon embedment depths shall employ a step-by-step D150 as identified below and approved by both the BLM's Authorized Officer and the CPM: A. Determination of peak storm water flow within each sub-watershed from a 100-year event: • Use of San Bernardino County (SBC) Hydrology Manual to specify hydrologic parameters to use in calculations; and • HEC -1 and Flo-2D models will be developed to calculate storm flows from the mountain watersheds upstream of the project site, and flood flows at the project site, based upon hydrologic parameters from SBC. B. Determination of potential total pylon scour depth: • Potential channel erosion depths will be determined using the calculated design flows, as determined in A above, combined with the methodology presented in "FAN, An Alluvial Fan Flooding Computer Program, FEMA, 1990." • Potential local scour will be determined using the calculated design flows, as determined in A above, combined with the Federal Highway Administration (FHWA) equation for local bridge pier scour from the FHWA 2001 report, "Evaluating Scour at Bridges." C. The results of the scour depth calculations and pylon stability testing will be used to determine the minimum necessary pylon embedment depth within the active portions of the alluvial fans. In the inactive portions of the alluvial fans that are not subject to channel erosion and local scour, the minimum pylon embedment depths will be based on the results of the pylon stability testing. Active versus	X			9/24/2010	Approved	9/24/2010	10/7/2010	

Soil & Water	S&W-5 (Continued)		The Storm Water Damage Monitoring and Response Plan shall be submitted to both the BLM's authorized office and CPM for review and approval and shall include the following: • Detailed maps showing the installed location of all heliostats within each project phase; • Description of the method of removing all soil spoils should any be generated; • Each heliostat should be identified by a unique ID number marked to show initial ground surface at its base, and the depth of the pylon below ground; • Minimum Depth Stability Threshold to be maintained of pylons to meet long-term stability for applicable wind, water and debris loading effects; • Above and below ground construction details of a typical installed heliostat; • BMPs to be employed to minimize the potential impact of broken mirrors to soil resources; • Methods and response time of mirror cleanup and measures that may be used to mitigate further impact to soil resources from broken mirror fragments; and • Monitoring, documenting, and restoring the Ivanpah playa surface when impacted by sedimentation or broken mirror shards. A plan to monitor and inspect periodically, before first seasonal and after every storm event: • Security and Tortoise Exclusion Fence: Inspect for damage and buildup of sediment or debris • Heliostats within Drainages or subject to drainage overflow: Inspect for tilting, mirror damage, depth of scour compared to pylon depth below ground and the Minimum Depth Stability Threshold, collapse, and downstream transport. • Drainage Channels: Inspect for substantial migration or changes in depth, and transport of broken glass. • Constructed Diversion Channels: Inspect for scour and structural integrity issues caused by erosion, and for sediment and debris buildup. • Ivanpah Playa Surface: Inspect for changes in the surface texture and quality from sediment		X		2013	Not yet started			
Soil & Water	S&W-5 (Continued)		• Drainage Channels: no short-term response necessary unless changes indicate risk to facility structures. • Constructed Diversion Channels: repair damage, maintain erosion control measures and remove built-up sediment and debris. Long-Term Design-Based Response: • Propose operation/BMP modifications to address ongoing issues. Include proposed changes to monitoring and response procedures, frequency, or standards. • Replace/reinforce pylons no longer meeting the Minimum Depth Stability Threshold or remove the mirrors to avoid exposure for broken glass. • Propose design modifications to address ongoing issues. This may include construction of active storm water management diversion channels and/or detention ponds. • Inspection, short-term incident response, and long-term design-based response may include activities both inside and outside of the approved right-of-way. For activities outside of the approved right-of-way, the applicant will notify BLM and acquire environmental review and approval before field activities begin. At least sixty (60) days prior to construction, the project owner shall submit to both BLM's Authorized Officer and the CPM a copy of the Pylon Insertion Depth and Heliostat Stability Report for review and approval prior to construction. At least sixty (60) days prior to commercial operation, the project owner shall submit to both BLM's Authorized		X		2013	Not yet started			
Soil & Water	S&W-6	The project owner shall submit a Groundwater Level Monitoring and Reporting Plan to both BLM's Authorized Officer and the CPM for review and approval and to San Bernardino County for review and comment regarding consistency with the County of San Bernardino Code Title 2, Division 3, Chapter 6, Article 5 (Desert Groundwater Management Ordinance). The Groundwater Level Monitoring and Reporting Plan shall provide a description of the methodology for monitoring background and site groundwater levels. Monitoring shall include pre-construction, construction, and project operation water use. The primary objective for the monitoring is to establish pre-construction and project related groundwater level-that can be quantitatively compared against observed and simulated levels near the project pumping well and near potentially impacted existing wells. Prior to project construction, monitoring shall commence to establish preconstruction base-line conditions and shall incorporate the existing monitoring and reporting data collected for the Primm Valley Golf Club. The monitoring network shall be designed to incorporate the ongoing monitoring and reporting program established for the Primm Valley Golf Course. The monitoring plan and network may make use of existing wells in the basin that would satisfy the requirements for the monitoring program.	The project owner shall complete the following: 1. At least three (3) months prior to construction, a Groundwater Level Monitoring and Reporting Plan shall be submitted to the County of San Bernardino for review and comment before completion of Condition of Certification Soil & Water -3, and a copy of the County's comments and the plan shall be submitted to both BLM's Authorized Officer and the CPM for review and approval. The plan shall include a scaled map showing the site and vicinity, existing well locations, and proposed monitoring locations (both existing wells and new monitoring wells proposed for construction). The map shall also include relevant natural and manmade features (existing and proposed as part of this project). The plan also shall provide: (1) well construction information and borehole lithology for each existing well proposed for use as a monitoring well; (2) description of proposed drilling and well installation methods; (3) proposed monitoring well design; and, (4) schedule for completion of the work. 2. At least two (2) months prior to construction, a Well Monitoring Installation and Groundwater Level Network Report shall be submitted to both BLM's Authorized Officer and the CPM. The report shall include a scaled map showing the final monitoring well network. It shall document the drilling methods employed, provide individual well construction as-builds, borehole lithology recorded from the drill cuttings, well development, and well survey results. The well survey shall measure the location and elevation of the top of the well casing and reference point for all water level measurements, and shall include the coordinate system and datum for the survey measurements. Additionally, the report shall describe the water level monitoring equipment employed in the wells and document their deployment and use. 3. As part of the monitoring well network development, all newly constructed monitoring wells shall be permitted and constructed consistent with San Bernardino County and State specifications. 4. At least two (2) months prior to project construction, all water level monitoring data shall be provided to both BLM's Authorized Officer and the CPM. The data transmittal shall include an assessment of pre-project water level trends, a summary of available climatic information (monthly average temperature and rainfall records from the nearest weather station), and a	X	X	X	8/18/2010	Approved	7/16/2010	11/5/2010	
Soil & Water	S&W-7	The project owner shall recycle and reuse all process wastewater streams to the extent practicable. Prior to transport and disposal of any facility operation wastewaters that are not suitable for treatment and reuse onsite, the project owner shall test and classify the stored wastewater to determine proper management and disposal requirements. The project manager shall ensure that the wastewater is transported and disposed of in accordance with the wastewater's characteristics and classification and all applicable LORS (including any CCR Title 22 Hazardous Waste and Title 23 Waste Discharges to Land requirements).	Prior to transport and disposal of any facility operation wastewaters that are not suitable for treatment and reuse onsite, the project owner shall test and classify the stored wastewater to determine proper management and disposal requirements. The project manager shall ensure that the wastewater is transported and disposed of in accordance with the wastewater's characteristics and classification and all applicable LORS (including any CCR Title 22 Hazardous Waste and Title 23 Waste Discharges to Land requirements).		X		TBD	As needed			
Soil & Water	S&W-8	Prior to the start of construction of the sanitary waste system, the project owner shall submit to the County of San Bernardino for review and comment, and to both the BLM's authorized officer and CPM for review and approval, plans for the construction and operation of the project's proposed sanitary waste septic system and leach field. These plans shall comply with the requirements set forth in County of San Bernardino codes and Appendices B, C, and D. Project construction shall not proceed until both BLM's Authorized Officer and the CPM have approved the plans. The project owner shall remain in compliance with the San Bernardino County code requirements for the life of the project.	Sixty (60) days prior to the start of commercial operations, the project owner shall submit to the County of San Bernardino appropriate fees and plans for review and comment for the construction and operation of the project's sanitary waste septic system and leach field. A copy of these plans shall be submitted to both the BLM's authorized officer and CPM for review and approval. The plans shall demonstrate compliance with the sanitary waste disposal facility requirements of County of San Bernardino and Appendices B, C, and D.		X		2013	Not yet started			
Sociology	SOCIO-1	The project owner shall pay a statutory school development fee of at least $3,195 to the Baker Valley Unified School District as required by Education Code Section 17620. Socioeconomics 10	At least 30 days prior to start of project construction, the project owner shall provide the Compliance Project Manager (CPM) proof of payment of the statutory		X		10/1/2010	Approved	10/5/2010	10/7/2010	

Facility Design	STRUCT-1	Prior to the start of any increment of construction of any major structure or component listed in Facility Design Table 2 of Condition of Certification GEN-2, above, the project owner shall submit to the CBO for design review and approval the proposed lateral force procedures for project structures and the applicable designs, plans, and drawings for project structures. Proposed lateral force procedures, designs, plans, and drawings shall be those for the following items (from Table 2, above): 1. Major project structures; 2. Major foundations, equipment supports, and anchorage; and 3. Large field-fabricated tanks. Construction of any structure or component shall not begin until the CBO has approved the lateral force procedures to be employed in designing that structure or component. The project owner shall: 1. Obtain approval from the CBO of lateral force procedures proposed for project structures;	At least 60 days (or within a project owner- and CBO-approved alternative time frame) prior to the start of any increment of construction of any structure or component listed in Facility Design Table 2 of Condition of Certification GEN-2, above, the project owner shall submit to the CBO the above final design plans, specifications, and calculations, with a copy of the transmittal letter to BLM's Authorized Officer and the CPM. The project owner shall submit to BLM's Authorized Officer and the CPM, in the next monthly compliance report, a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and comply with the requirements set forth in applicable engineering LORS.		X		2011	Ongoing Mulitiple submittals required			
Facility Design	STRUCT-1 (Continued)	2. Obtain approval from the CBO for the final design plans, specifications, calculations, soils reports, and applicable quality control procedures. If there are conflicting requirements, the more stringent shall govern (for example, highest loads, or lowest allowable stresses shall govern). All plans, calculations, and specifications for foundations that support structures shall be filed concurrently with the structure plans, calculations, and specifications (2007 CBC, Appendix Chapter 1, section 109.6, Approval Required); 3. Submit to the CBO the required number of copies of the structural plans, specifications, calculations, and other required documents of the designated major structures prior to the start of on-site fabrication and installation of each structure, equipment support, or foundation (2007 California Administrative Code, section 4-210, Plans, Specifications, Computations and Other Data); 4. Ensure that the final plans, calculations, and specifications clearly reflect the inclusion of approved criteria, assumptions, and methods used to develop the design. The final designs, plans, calculations, and specifications shall be signed and stamped by the responsible design engineer (2007 CBC, Appendix Chapter 1, section 106.3.4, Design Professional in Responsible Charge); and 5. Submit to the CBO the responsible design engineer's signed statement that the final design plans	At least 60 days (or within a project owner- and CBO-approved alternative time frame) prior to the start of any increment of construction of any structure or component listed in Facility Design Table 2 of Condition of Certification GEN-2, above, the project owner shall submit to the CBO the above final design plans, specifications, and calculations, with a copy of the transmittal letter to BLM's Authorized Officer and the CPM. The project owner shall submit to BLM's Authorized Officer and the CPM, in the next monthly compliance report, a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and comply with the requirements set forth in applicable engineering LORS.		X		8/20/2010	Approved	8/20/2010	9/2/2010	
Facility Design	STRUCT-2	The project owner shall submit to the CBO the required number of sets of the following documents related to work that has undergone CBO design review and approval: 1. Concrete cylinder strength test reports (including date of testing, date sample taken, design concrete strength, tested cylinder strength, age of test, type and size of sample, location and quantity of concrete placement from which sample was taken, and mix design designation and parameters); 2. Concrete pour sign-off sheets; 3. Bolt torque inspection reports (including location of test, date, bolt size, and recorded torques); 4. Field weld inspection reports (including type of weld, location of weld, inspection of non-destructive testing [NDT] procedure and results, welder qualifications, certifications, qualified procedure description or number [ref: AWS]); and 5. Reports covering other structural activities requiring special inspections shall be in accordance with the 2007 CBC, Chapter 17, section 1704, Special Inspections, and Section 1709.1, Structural Observations.	If a discrepancy is discovered in any of the above data, the project owner shall, within 5 days, prepare and submit an NCR describing the nature of the discrepancies and the proposed corrective action to the CBO, with a copy of the transmittal letter to BLM's Authorized Officer and the CPM (2007 CBC, Chapter 17, section 1704.1.2, Report Requirements). The NCR shall reference the condition(s) of certification and the applicable CBC chapter and section. Within 5 days of resolution of the NCR, the project owner shall submit a copy of the corrective action to the CBO and the CPM. The project owner shall transmit a copy of the CBO's approval or disapproval of the corrective action to BLM's Authorized Officer and the CPM within 15 days. If disapproved, the project owner shall advise BLM's Authorized Officer and the CPM, within 5 days, the reason for disapproval, and the revised corrective action to obtain CBO's approval.		X		As needed	As needed			
Facility Design	STRUCT-3	The project owner shall submit to the CBO design changes to the final plans required by the 2007 CBC, including the revised drawings, specifications, calculations, and a complete description of, and supporting rationale for, the proposed changes and shall give to the CBO prior notice of the intended filing (2007 CBC, Appendix Chapter 1, section 106.1, Submittal Documents; section 106.4, Amended Construction Documents; 2007 California Administrative Code, section 4-215, Changes in Approved Drawings and Specifications)	On a schedule suitable to the CBO, the project owner shall notify the CBO of the intended filing of design changes and shall submit the required number of sets of revised drawings and the required number of copies of the other abovementioned documents to the CBO, with a copy of the transmittal letter to BLM's Authorized Officer and the CPM. The project owner shall notify BLM's Authorized Officer and the CPM, via the monthly compliance report, when the CBO has approved the		X		As needed	As needed			
Facility Design	STRUCT-4	Tanks and vessels containing quantities of toxic or hazardous materials exceeding amounts specified in the 2007 CBC, Chapter 3, Table 307.1(2),shall, at a minimum, be designed to comply with the requirements of that chapter.	At least 30 days (or within a project owner- and CBO-approved alternate time frame) prior to the start of installation of the tanks or vessels containing the above-specified quantities of toxic or hazardous materials, the project owner shall submit to the CBO for design review and approval final design plans, specifications, and calculations, including a copy of the signed and stamped engineer's certification. The project owner shall send copies of the CBO approvals of plan checks to BLM's Authorized Officer and the CPM in the following monthly compliance report. The project owner shall also transmit a copy of the CBO's inspection approvals to BLM's Authorized Officer and the CPM in the monthly compliance report following		X		TBD	Not yet started			
Traffic & Transport.	TRANS-1	Prior to start of construction of the ISEGS, the project owner shall prepare and implement a Traffic Control Plan (TCP) for ISEGS construction and operation traffic. The TCP shall address the movement of workers, vehicles, and materials, including arrival and departure schedules, and designated workforce and delivery routes. The project owner shall consult with the County of San Bernardino and the Caltrans District 8 office in the preparation and implementation of the Traffic Control Plan and shall submit the proposed Traffic Control Plan to the County of San Bernardino and the Caltrans District 8 office in sufficient time for review and comment and to BLM's Authorized Officer and the Energy Commission Compliance Project Manager (CPM) for review and approval prior to the proposed start of construction and implementation of the plan. BLM's Authorized Officer and the CPM shall review and approve the TCP or identify any material deficiencies within thirty (30) days of receipt. The project owner shall provide a copy of any written comments from the County of San Bernardino and the Caltrans District 8 office and any changes to the Traffic Control Plan to BLM's Authorized Officer and the CPM prior to the proposed start of construction.	At least 90 calendar days prior to the start of construction, including any grading or site remediation on the power plant site or its associated easements, the project owner shall submit the proposed traffic control plan to the County of San Bernardino and the Caltrans District 8 office for review and comment and to BLM's Authorized Officer and the CPM for review and approval. The project owner shall also provide BLM's Authorized Officer and the CPM with a copy of the transmittal letter to the County of San Bernardino and the Caltrans District 8 office requesting review and comment. At least 30 calendar days prior to the start of construction, the project owner shall provide copies of any comment letters received from either the County of San Bernardino and the Caltrans District 8 office, along with any changes to the proposed traffic control plan to BLM's Authorized Officer and the CPM for review and approval. The Traffic Control Plan shall include: • providing an incentive program to encourage construction workers to use van or bus service; • limiting truck deliveries to the project site on Fridays to mornings only so they occur before 12:00 noon ; • redirection of construction traffic with a flag person as necessary to ensure traffic safety and minimize interruptions to non-construction related traffic flow; • signage, lighting, and traffic control device placement at the project construction site and laydown areas; • signage along eastbound and westbound Yates Well Road and at the entrance of each of the I-15 northbound and southbound off-ramps at Yates Well Road notifying drivers of construction traffic	X			6/16/2010	Approved	6/18/2010	10/7/2010	
Traffic & Transport.	TRANS-2	The project owner shall restore all public roads, easements, and rights-of-way that have been damaged due to project-related construction activities to original or near-original condition in a timely manner, as directed by the BLM's Authorized Officer and CPM. The project owner's use of Yates Well Road shall not diminish the rights or use of the road by other BLM authorized users. Repairs and restoration of access roads may be required at any time during the construction phase of the project to assure safe ingress and egress. Prior to the start of site mobilization, the project owner shall consult with the County of San Bernardino and Caltrans District 8 and notify them of the proposed schedule for project construction. The purpose of this notification is to request that the County of San Bernardino and Caltrans consider postponement of public right-of-way repair or improvement activities in areas affected by project construction until construction is completed and to coordinate with the project owner regarding any concurrent construction related activities that are planned or in progress and cannot be postponed.	At least 30 days prior to the start of mobilization, the project owner shall photograph or videotape all affected public roads, easements, and right-of-way segment(s) and/or intersections and shall provide BLM's Authorized Officer, the CPM, the affected local jurisdiction(s) and Caltrans (if applicable) with a copy of these images. The project owner shall rebuild, repair and maintain all public roads, easements, rights of-way in a usable condition throughout the construction phase of the project. Prior to the start of site mobilization, the project owner shall consult with the County of San Bernardino and Caltrans District 8 and notify them of the proposed schedule for project construction. The purpose of this notification is to request that the County of San Bernardino and Caltrans consider postponement of public right-of-way repair or improvement activities in areas affected by project construction until construction is completed and to coordinate with the project owner regarding any concurrent construction-related activities that are planned or in progress and cannot be postponed. Within 60 calendar days after completion of construction, the project owner shall meet with BLM's Authorized Officer and the CPM, the County of San Bernardino and Caltrans District 8 to identify sections of public right-of-way to be repaired. At that time, the project owner shall	X			8/10/2010	Approved	6/24/2010	9/2/2010	

Traffic & Transport.	TRANS-3	The project owner shall prepare a Heliostat Positioning Plan that would avoid potential for human health and safety hazards from solar radiation exposure.	Within 90 days before commercial operation of any of the three ISEGS power plants, the project owner shall submit the Heliostat Positioning Plan to BLM's Authorized Officer and the CPM for review and approval. The project owner shall also submit the plan to CalTrans, FAA, San Bernardino County, the San Bernardino Associated Governments (the transportation planning agency for San Bernardino County) and the Clark County Department of Aviation for review and comment and forward any comments received to BLM's Authorized Officer and the CPM. The Heliostat Positioning Plan shall accomplish the following: 1. Identify the heliostat movements and positions (including reasonably possible malfunctions) that could result in potential exposure of observers at various locations including in aircraft, motorists, pedestrians and hikers in the Clark Mountains to reflected solar radiation from heliostats; 2. Describe within the HPP how programmed heliostat operation would avoid potential for human health and safety hazards at locations of observers as attributable to momentary solar radiation exposure greater than the Maximum Permissible Exposure of 10 kw/m^2 (for a period of 0.25 second or less). 3. Prepare a monitoring plan that would: a) obtain field measurements in response to legitimate complaints; b) verify that the Heliostat Positioning Plan would avoid potential for human health and safety hazards including temporary and permanent blindness at locations of observers; and		X		2013	Not yet started			
Traffic & Transport.	TRANS-4	The project owner shall prepare a Power Tower Luminance Monitoring Plan to provide procedures to conduct periodic monitoring and to document, investigate and resolve complaints regarding distraction effects to aviation, vehicular and pedestrian traffic associated with the power towers.	Within 60 days prior to commercial operation of the first ISEGS power plant to become operational, the project owner shall provide a Power Tower Luminance Monitoring Plan applicable for the ISEGS Project for review and approval by BLM's Authorized Officer and the CPM. The plan shall specify procedures to document, investigate and resolve complaints regarding glare, and report these to BLM's Authorized Officer and the CPM within 10 days of receiving a complaint. The project owner shall evaluate the effects of the intensity of the luminance of light reflected from the power tower receivers for the following scenarios: A. Within 90 days following commercial operation; B. After the initial 5 years of operation; C. If a major design change is implemented that results in an increase of the reflective luminance of the power towers for each of the three ISEGS power plants (Ivanpah 1, 2 and 3); and D. After receiving a legitimate complaint regarding a distraction associated with the power towers. The Power Tower Luminance Monitoring Plan shall include provisions for the following: 1. Coordination of luminance evaluations with the FAA, U.S. Department of the Navy, CalTrans, CHP, and with Clark County Department of Aviation in relation to the proposed Southern Nevada Supplemental Airport; 2. Reporting within 30 days after completing luminance measurements required under this plan; the project owner shall submit a summary report to FAA, U.S. Department of the Navy, CalTrans, San Bernardino County, SANBAG, CHP and Clark County Department of Aviation for review and comment, and to BLM's Authorized Officer and the CPM for review and approval. 3. Measurement of luminance at the locations where any distraction effects have been reported and at the locations nearest the power towers from the four sides of the power plant boundaries, and the nearest public road, which		X		2013	Not yet started			
Traffic & Transport.	TRANS-4 (continued)		5. Provisions for identifying and implementing appropriate mitigation measures if reported distraction is determined to be legitimate and if power tower luminance is determined to be causing a safety concern; The project owner shall consider and propose any reasonable mitigation measures that are technically and financially feasible. The mitigation measures may include surface treatment or material changes to increase absorption and reduce reflectivity of the power tower receivers, road signage, screening or other reasonable measures. 6. Post-mitigation verification; Within 30 days following the implementation of mitigation measures designed to reduce reflectivity of the power towers, the project owner shall repeat the luminance measurements to demonstrate the effectiveness of mitigation measures and prepare a supplemental survey report for review and comment by FAA, U.S. Department of		X		2013	Not yet started			
Traffic & Transport.	TRANS-5	The project owner shall ensure that each power tower is marked and lighted according to the recommendations included in the FAA aeronautical study performed for each tower. Additionally, the project owner shall submit FAA Form 7460-2 Part II, Notice of Actual Construction or Alteration, to the FAA within 5 days of completion of construction of the tower to its greatest height. The project owner shall provide evidence of compliance with FAA Advisory circular 70/7460-1 K Change 2, Obstruction Marking and Lighting by submitting a copy of Form 7460-2 to BLM's Authorized Officer and the CPM for review and approval upon completion of construction or each power tower.	Within 5 days of completion of construction of each of the seven power towers, the project owner shall submit the above referenced evidence to BLM's Authorized Officer and the CPM for review and approval		X		2013	Not yet started			
Traffic & Transport.	TRANS-6	Prior to start-up and testing activities of the plant and all related facilities, the project owner shall coordinate with the FAA to notify all pilots using the airspace in the vicinity of the ISEGS of potential air hazards from turbulence.	At least 60 days prior to start of project operation, the project owner shall submit to BLM's Authorized Officer and the CPM for review a letter from the FAA showing compliance with these measures. The notification activities would include, but not be limited to (1) issuing a notice to airmen (NOTAM) of the identified air hazard, 2) updating all applicable FAA-approved airspace charts to indicate that plume hazards could exist up to an altitude of 1,350 feet above the ground surface, and 3) requesting FAA to require pilots to avoid direct overflight of the ISEGS site at or below this altitude during daylight hours.		X		2013	Not yet started			

Transmission System Engineering	TSE-1	The project owner shall furnish to BLM's Authorized Officer and the Compliance Project Manager (CPM) and to the Chief Building Official (CBO) a schedule of transmission facility design submittals, a Master Drawing List, a Master Specifications List, and a Major Equipment and Structure List. The schedule shall contain a description and list of proposed submittal packages for design, calculations, and specifications for major structures and equipment. To facilitate audits by BLM and Energy Commission staff, the project owner shall provide designated packages to BLM's Authorized Officer and the CPM when requested	At least 60 days prior to the start of construction (or a lesser number of days mutually agreed to by the project owner and the CBO), the project owner shall submit the schedule, a Master Drawing List, and a Master Specifications List to the CBO, BLM's Authorized Officer and to the CPM. The schedule shall contain a description and list of proposed submittal packages for design, calculations, and specifications for major structures and equipment (see a list of major equipment in Table 1: Major Equipment List below). Additions and deletions shall be made to the table only with CPM, BLM's Authorized Officer and CBO approval. The project owner shall provide schedule updates in the Monthly Compliance Report. **TRANSMISSION SYSTEM ENGINEERING Table 1** **Major Equipment List** Breakers Step-Up Transformer Switchyard Busses Surge Arrestors Disconnects Take Off Facilities Electrical Control Building Switchyard Control Building Transmission Pole/Tower Grounding System	X	X		8/13/2010	Approved	7/16/2010	9/2/2010	
Transmission System Engineering	TSE-2	Prior to the start of construction, the project owner shall assign an electrical engineer and at least one of each of the following to the project: A) a civil engineer; B) a geotechnical engineer or a civil engineer experienced and knowledgeable in the practice of soils engineering; C) a design engineer who is either a structural engineer or a civil engineer fully competent and proficient in the design of power plant structures and equipment supports; or D) a mechanical engineer. (Business and Professions Code Sections 6704 et seq. require state registration to practice as a civil engineer or structural engineer in California. The tasks performed by the civil, mechanical, electrical, or design engineers may be divided between two or more engineers, as long as each engineer is responsible for a particular segment of the project (e.g., proposed earthwork, civil structures, power plant structures, equipment support). No segment of the project shall have more than one responsible engineer. The transmission line may be the responsibility of a separate California-registered electrical engineer.	At least 30 days prior to the start of rough grading (or a lesser number of days mutually agreed to by the project owner and the CBO), the project owner shall submit to the CBO for review and approval, the names, qualifications, and registration numbers of all the responsible engineers assigned to the project. The project owner shall notify BLM's Authorized Officer and the CPM of the CBO's approvals of the engineers within five days of the approval. If the designated responsible engineer is subsequently reassigned or replaced, the project owner has five days in which to submit the name, qualifications, and registration number of the newly assigned engineer to the CBO for review and approval. The project owner shall notify BLM's Authorized Officer and the CPM of the CBO's approval of the new engineer within five days of the approval.	X			9/15/2010	Approved	5/28/2010	9/2/2010	
Transmission System Engineering	TSE-2 (Continued)	The project owner shall submit to the CBO for review and approval, the names, qualifications, and registration numbers of all engineers assigned to the project. If any one of the designated engineers is subsequently reassigned or replaced, the project owner shall submit the name, qualifications, and registration number of the newly assigned engineer to the CBO for review and approval. The project owner shall notify BLM's Authorized Officer and the CPM of the CBO's approval of the new engineer. This engineer shall be authorized to halt earthwork and to require changes if site conditions are unsafe or do not conform with predicted conditions used as a basis for design of earthwork or foundations. The electrical engineer shall: 1. Be responsible for the electrical design of the power plant switchyard, outlet and termination	At least 30 days prior to the start of rough grading (or a lesser number of days mutually agreed to by the project owner and the CBO), the project owner shall submit to the CBO for review and approval, the names, qualifications, and registration numbers of all the responsible engineers assigned to the project. The project owner shall notify BLM's Authorized Officer and the CPM of the CBO's approvals of the engineers within five days of the approval. If the designated responsible engineer is subsequently reassigned or replaced, the project owner has five days in which to submit the name, qualifications, and registration number of the newly assigned engineer to the CBO for review and approval. The project owner shall notify BLM's Authorized Officer and the CPM of	X			9/15/2010	Approved	5/28/2010	9/2/2010	
Transmission System Engineering	TSE-3	If any discrepancy in design and/or construction is discovered in any engineering work that has undergone CBO design review and approval, the project owner shall document the discrepancy and recommend corrective action (California Building Code, 1998, Chapter 1, Section 108.4, Approval Required; Chapter 17, Section 1701.3, Duties and Responsibilities of the Special Inspector; Appendix Chapter 33, Section 3317.7, Notification of Noncompliance). The discrepancy documentation shall become a controlled document and shall be submitted to the CBO for review and approval and shall reference this condition of certification	The project owner shall submit a copy of the CBO's approval or disapproval of any corrective action taken to resolve a discrepancy to BLM's Authorized Officer and the CPM within 15 days of receipt. If disapproved, the project owner shall advise BLM's Authorized Officer and the CPM, within five days, the reason for disapproval, and the revised corrective action required obtaining the CBO's approval. -		X		As needed	As needed			
Transmission System Engineering	TSE-4	For the power plant switchyard, outlet line, and termination, the project owner shall not begin any increment of construction until plans for that increment have been approved by the CBO. These plans, together with design changes and design change notices, shall remain on the site for one year after completion of construction. The project owner shall request that the CBO inspect the installation to ensure compliance with the requirements of applicable LORS. The following activities shall be reported in the Monthly Compliance Report: - Receipt or delay of major electrical equipment; - Testing or energization of major electrical equipment; and - The number of electrical drawings approved, submitted for approval, and still to be submitted	At least 30 days prior to the start of each increment of construction (or a lesser number of days mutually agreed to by the project owner and the CBO), the project owner shall submit to the CBO for review and approval the final design plans, specifications, and calculations for equipment and systems of the power plant switchyard, outlet line, and termination, including a copy of the signed and stamped statement from the responsible electrical engineer attesting to compliance with the applicable LORS, and send BLM's Authorized Officer and the CPM a copy of the transmittal letter in the next Monthly Compliance Report.		X		2011	Not yet started			
Transmission System Engineering	TSE-5	The project owner shall ensure that the design, construction, and operation of the proposed transmission facilities will conform to all applicable LORS, including the requirements listed below. The project owner shall submit the required number of copies of the design drawings and calculations as determined by the CBO. A. The Ivanpah 1 will be interconnected to the SCE grid via a 115 kV segment of approximately 5,800 feet long single circuit. The Ivanpah #2 will be interconnected to the SCE grid via a 115 kV single circuit segment approximately 3900 feet long single circuit and an approximately 1400 feet long double circuit 115 kV generator tie-line. The Ivanpah #3 115 kV generator tie line would be approximately 14,100 feet long which would merge into a 115kV double circuit with the Ivanpah #2 generator tie line. The proposed Ivanpah substation would use a double bus breaker- and a half configuration with 3-bays and 5 positions or other configuration as may be approved by SCE.. B. The power plant outlet line shall meet or exceed the electrical, mechanical, civil, and structural requirements of General Order 98 or National Electric Safety Code (NESC), Title 8 of the California Code and Regulations (Title 8), Articles 35, 36, and 37 of CPUC General Order 95the "High Voltage Electric Safety Orders", California ISO standards, National Electric Code (NEC), and related industry standards. C. Breakers and busses in the power plant switchyard and other switchyards,where applicable, shall be sized to comply with a short-circuit analysis. D. Outlet line crossings and line parallels with transmission and distributionfacilities shall be coordinated with the transmission line owner and comply with the owner's standards. E. The project conductors shall be sized to accommodate the full output from the project. F. Termination facilities shall comply with applicable SCE interconnection standards. G. The project owner shall provide to BLM's Authorized Officer and the CPM:	At least 60 days prior to the start of construction of transmission facilities (or a lessor number of days mutually agree to by the project owner and CBO),the project owner shall submit to the CBO for approval: 1.Design drawings, specifications, and calculations conforming with CPUC General Order 95 and General Order 98 or NESC; Title 8, California Code of Regulations, Articles 35, 36, and 37 of the "High Voltage Electric Safety Orders"; NEC; applicable interconnection standards, and related industry standards for the poles/towers, foundations, anchor bolts, conductors, grounding systems, and major switchyard equipment. 2. For each element of the transmission facilities identified above, the submittal package to the CBO shall contain the design criteria, a discussion of the calculation method(s), a sample calculation based on "worst-case conditions,"1 and a statement signed and sealed by the registered engineer in responsible charge, or other acceptable alternative verification, that the transmission element(s) will conform with CPUC General Order 95 or NESC; Title 8, California Code of Regulations, Articles 35, 36 and 37 of the "High Voltage Electric Safety Orders"; NEC; applicable interconnection standards, and related industry standards. 3. Electrical one-line diagrams signed and sealed by the registered professional electrical engineer in responsible charge, a route map, and an engineering description of equipment and the configurations covered by requirements TSE-5 1) through 5) above. 1 Worst-case conditions for the foundations would include for instance, a dead-end or angle pole. 4. The final Detailed Facility Study, including a description of facility upgrades, operational mitigation		X		2011	Ongoing Multiple submittals required			
Transmission System Engineering	TSE-6	The project owner shall provide the following Notice to the California Independent System Operator (California ISO) prior to synchronizing the facility with the California transmission system as required in the LGIA:	The project owner shall provide copies of the CAISO notice to BLM's Authorized Officer and the CPM when it is sent to the CAISO. A report of the conversation with the CAISO shall be provided electronically to BLM's Authorized Officer and the CPM one day before synchronizing the facility with the California transmission system for		X		TBD	Not yet started			

Transmission System Engineering	TSE-7	The project owner shall be responsible for the inspection of the transmission facilities during and after project construction, and any subsequent BLM authorized officer, CPM and CBO approved changes thereto, to ensure conformance with CPUC GO-95 or NESC; Title 8, CCR, Articles 35, 36 and 37 of the "High Voltage Electric Safety Orders"; applicable interconnection standards; NEC; and related industry standards. In case of non-conformance, the project owner shall inform BLM's Authorized Officer, the CPM and CBO in writing, within 10 days of discovering such non-conformance and describe the corrective actions to be taken.	Within 60 days after first synchronization of the project, the project owner shall transmit to BLM's Authorized Officer, the CPM and CBO: 1. "As built" engineering description(s) and one-line drawings of the electrical portion of the facilities signed and sealed by the registered electrical engineer in responsible charge. A statement attesting to conformance with CPUC GO-95 or NESC; Title 8, California Code of Regulations, Articles 35, 36 and 37 of the "High Voltage Electric Safety Orders"; applicable interconnection standards; NEC; and related industry standards, and these conditions shall be provided concurrently. 2. An "as built" engineering description of the mechanical, structural, and civil portion of the transmission facilities signed and sealed by the registered engineer in responsible charge or acceptable alternative verification. "As built" drawings of the electrical, mechanical, structural, and civil portion of the transmission facilities shall be maintained at the power plant and made available, if requested, for BLM's Authorized Officer or CPM audit as set forth in the "Compliance Monitoring Plan." 3. A summary of inspections of the completed transmission facilities, and identification of any			X	2013	Not yet started			
Transm. Lines	TSLN-1	The project owner shall construct the proposed generation tie lines according to the first point of interconnection requirements of California Public Utility Commission's GO-95, GO-52, GO-131-D, Title 8, and Group 2. High Voltage Electrical Safety Orders, sections 2700 through 2974 of the California Code of Regulations, and Southern California Edison's EMF-reduction guidelines.	At least 30 days before starting the generation tie lines or related structures and facilities, the project owner shall submit to BLM's Authorized Officer and the Compliance Project Manager (CPM) a letter signed by a California registered electrical engineer affirming that the lines will be constructed according to the		X		11/24/2010	Submitted	11/24/2010		
Transm. Lines	TSLN-2	The project owner shall use a qualified individual to measure the strengths of the electric and magnetic fields from the line at the points of maximum intensity along the route for which the applicant provided specific estimates. The measurements shall be made before and after energization according to the American National Standard Institute/Institute of Electrical and Electronic Engineers (ANSI/IEEE) standard procedures. These measurements shall be completed no later than 6 months after the start of operations.	The project owner shall file copies of the pre-and post-energization measurements with BLM's Authorized Officer and the CPM within 60 days after completion of the measurements.		X	X	2013	Not yet started			
Transm. Lines	TSLN-3	The project owner shall ensure that the rights-of-way of the proposed generation tie lines are kept free of combustible material, as required under the provisions of section 4292 of the Public Resources Code and section 1250 of Title 14 of the California Code of Regulations.	During the first 5 years of plant operation, the project owner shall provide a summary of inspection results and any fire prevention activities carried out along the right-of-way and provide such summaries in the Annual Compliance Report to be provided to BLM's Authorized Officer and the CPM.			X	2014	Ongoing - annually			
Transm. Lines	TSLN-4	The project owner shall ensure that all permanent metallic objects within the right-of-way of the project-related generation tie lines are grounded according to industry standards regardless of ownership.	At least 30 days before the lines are energized, the project owner shall transmit to BLM's Authorized Officer and the CPM a letter confirming compliance with this condition.		X		2013	Not yet started			
Visual Resources	VIS-1	The project owner shall treat the surfaces of all project structures and buildings visible to the public, other than surfaces that are included to direct or reflect sunlight, such that a) their colors minimize visual intrusion and contrast by blending with the existing tan and brown color of the surrounding landscape; and b) their colors and finishes do not create excessive glare. The transmission line conductors shall be nonspecular and non-reflective, and the insulators shall be non-reflective and non-refractive. The project owner shall submit for CPM review and approval, a specific Surface Treatment Plan that will satisfy these requirements.	At least 90 days prior to specifying to the vendor the colors and finishes for each set of structures or buildings that are surface treated during manufacture, the project owner shall submit the proposed treatment plan to BLM's Authorized Officer and the CPM for review and approval and simultaneously to San Bernardino County for review and comment. If BLM's Authorized Officer and the CPM determine that the plan requires revision, the project owner shall provide to BLM's Authorized Officer and the CPM a plan with the specified revision(s) for review and approval by BLM's Authorized Officer and the CPM before any treatment is applied. Any modifications to the treatment plan must be submitted to BLM's Authorized Officer and the CPM for review and approval. BLM's Authorized Officer and the CPM shall review and approve the Surface Treatment Plan or identify any material deficiencies within thirty (30) days of receipt. The treatment plan shall include: A. A description of the overall rationale for the proposed surface treatment, including the selection of the proposed color(s) and finishes; B. A list of each major project structure, building, tank, pipe, and wall; the transmission line towers and/or poles; and fencing, specifying the color(s) and finish proposed for each. Colors must be identified by vendor, name, and number; or according to a universal designation system; C. One set of color brochures or color chips showing each proposed color and finish; D. A specific schedule for completion of the treatment; and E. A procedure to ensure proper treatment maintenance for the life of the project. The project owner shall not specify to the vendors the treatment of any buildings or structures treated during manufacture, or perform the final treatment on any buildings or structures treated in the field, until the project owner receives notification of approval of the treatment plan by BLM's Authorized Officer and the CPM. Subsequent modifications to the treatment plan are prohibited without BLM's Authorized Officer and		X		6/9/2010	Approved	6/30/2010; 11/4/2010 (amend. 1 & 2); 12/8/2010 (amend. 3 & 4); 4/5/2011 (amend. 5 & 6); Plan Revision 1 May 27, 2011; Revision 1.2 submitted June 27, 2011; Revision 1.3 submitted September 7, 2011	10/7/2010; 11/23/2010 (amend. 1 & 2); 1/10/2011 (amend. 3 & 4); 4/15/2011 (amend. 5); 5/2/2011 (amend. 6)	11/23/2010 (amend. 1 & 2); 1/10/2011 (amend. 3)

Visual Resources	VIS-2	At the request of, and in consultation with BLM's Authorized Officer, the CPM and the golf course owner, the project owner shall prepare a perimeter landscape screening plan to reduce the visibility of the proposed ISEGS project as seen from the golf course. The purpose of the plan shall be to provide screening of the power project, particularly the mirror fields, while retaining as much of the scenic portion of the overall views of Ivanpah Valley and Clark Mountains as feasible. The design approach shall be developed with prior consultation with the golf course owner, and implemented only at the golf course owner's request. The project owner shall submit to BLM's Authorized Officer and the CPM for review and approval and simultaneously to the golf course owner for review and comment a preliminary conceptual landscaping plan whose objective is to provide an attractive visual screen to views of the ISEGS project mirror fields. Upon approval by BLM's Authorized Officer and the CPM and golf course owner, the project owner shall submit to BLM's Authorized Officer and the CPM for review and approval and simultaneously to the golf course owner for review and comment a landscaping plan whose proper implementation will satisfy these requirements. The plan shall not be implemented until the project owner receives final approval from BLM's Authorized Officer and the CPM.	The landscaping plan shall be submitted to BLM's Authorized Officer and the CPM for review and approval and simultaneously to the golf course owner for review and comment at least 90 days prior to installation of the landscaping. If BLM's Authorized Officer and the CPM determine that the plan requires revision, the project owner shall provide to BLM's Authorized Officer and the CPM and simultaneously to the golf course owner a revised plan for review and approval by BLM's Authorized Officer and the CPM. The plan shall include: A. A detailed landscape, grading, and irrigation plan, at a reasonable scale. The plan shall demonstrate how the requirements stated above shall be met. The plan shall provide a detailed installation schedule demonstrating installation of as much of the landscaping as early in the construction process as is feasible in coordination with project construction. B. A list (prepared by a qualified professional arborist familiar with local growing conditions) of proposed species, specifying installation sizes, growth rates, expected time to maturity, expected size at five years and at maturity, spacing, number, availability, and a discussion of the suitability of the plants for the site conditions and mitigation objectives, with the objective of providing the widest possible range of species from which to choose; C. Maintenance procedures, including any needed irrigation and a plan for routine annual or semi-annual debris removal for the life of the project; D. A procedure for monitoring for and replacement of unsuccessful plantings for the life of the project; and E. One set each for BLM's Authorized Officer and the CPM of 11"x17" color photo simulations of the proposed landscaping at five years and twenty years after planting, as viewed from adjoining segments of I-15 . The plan shall not be implemented until the project owner receives final approval from BLM's Authorized Officer and the CPM. The planting must occur during the first optimal planting season following site mobilization. The project owner		X		TBD	Not yet started			
Visual Resources	VIS-3	The project owner shall revegetate disturbed soil areas to the greatest practical extent, as described in mitigation measures BIO-14 and BIO-27. In order to address specifically visual concerns, the required Closure, Revegetation and Rehabilitation Plan shall include reclamation of the area of disturbed soils used for laydown, project construction, and siting of the substation and other ancillary operation and support structures.	Refer to mitigation measures BIO-14 and BIO-27.				N/A	N/A			
Visual Resources	VIS-4	To the extent feasible, consistent with safety and security considerations, the project owner shall design and install all permanent exterior lighting and all temporary construction lighting such that a) lamps and reflectors are not visible from beyond the project site, including any off-site security buffer areas; b) lighting does not cause excessive reflected glare; c) direct lighting does not illuminate the nighttime sky, except for required FAA aircraft safety lighting; d) illumination of the project and its immediate vicinity is minimized, and e) the plan complies with local policies and ordinances. The project owner shall submit to BLM's Authorized Officer and the CPM for review and approval and simultaneously to the County of San Bernardino for review and comment a lighting mitigation plan.	At least 90 days prior to ordering any permanent exterior lighting or temporary construction lighting, the project owner shall contact BLM's Authorized Officer and the CPM to discuss the documentation required in the lighting mitigation plan. At least 60 days prior to ordering any permanent exterior lighting, the project owner shall submit to BLM's Authorized Officer and the CPM for review and approval and simultaneously to the County of San Bernardino for review and comment a lighting mitigation plan. If BLM's Authorized Officer and the CPM determine that the plan requires revision, the project owner shall provide to BLM's Authorized Officer and the CPM a revised plan for review and approval by BLM's Authorized Officer and the CPM. BLM Authorized Officer and the CPM shall approve or identify any material deficiencies in the Lighting Plan within 30 days following the receipt of the Plan. The Lighting Plan shall include the following: A. Location and direction of light fixtures shall take the lighting mitigation requirements into account; B. Lighting design shall consider setbacks of project features from the site boundary to aid in satisfying the lighting mitigation requirements; C. Lighting shall incorporate fixture hoods/shielding, with light directed downward or toward the area to be illuminated; D. Light fixtures that are visible from beyond the project boundary shall have cutoff angles that are sufficient to prevent lamps and reflectors from being visible beyond the project boundary, except where necessary for security; E. All lighting shall be of minimum necessary brightness consistent with operational safety and security; and F. Lights in high illumination areas not occupied on a continuous basis (such as maintenance platforms) shall have (in addition to hoods) switches, timer switches, or motion detectors so that the lights operate only when the area is occupied. The project owner shall not order any exterior lighting until receiving BLM Authorized Officer and CPM approval		X		11/15/2010	Submitted	11/1/2010; 12/14/2010 (amend. 1)	Amend 1 approved by BLM and CEC on 1/11/2012	
Waste Mgmt	WASTE-1	The project owner shall provide the resume of an experienced and qualified professional engineer or professional geologist, who shall be available for consultation during site characterization (if needed), demolition, excavation, and grading activities, to BLM's Authorized Officer and the CPM for review and approval. The resume shall show experience in remedial investigation and feasibility studies. The professional engineer or professional geologist shall be given authority by the project owner to oversee any earth moving activities that have the potential to disturb contaminated soil and impact public health, safety, and the environment.	At least 30 days prior to the start of site mobilization, the project owner shall submit the resume to BLM's Authorized Officer and the CPM for review and approval.	X			8/9/2010	Approved	7/16/2010	10/7/2010	
Waste Mgmt	WASTE-2	If potentially contaminated soil is identified during site characterization, demolition, excavation, or grading at either the proposed site or linear facilities, as evidenced by discoloration, odor, detection by handheld instruments, or other signs, the professional engineer or professional geologist shall inspect the site, determine the need for sampling to confirm the nature and extent of contamination, and provide a written report to the project owner, representatives of Department of Toxic Substances Control or Regional Water Quality Control Board, BLM's Authorized Officer, and the CPM stating the recommended course of action. Depending on the nature and extent of contamination, the professional engineer or professional geologist shall have the authority to temporarily suspend construction activity at that location for the protection of workers or the public. If, in the opinion of the professional engineer or professional geologist, significant remediation may be required, the project owner shall contact BLM's Authorized Officer and the CPM and representatives of the Department of Toxic Substances Control for or the Regional Water Quality control	The project owner shall submit any final reports filed by the professional engineer or professional geologist to BLM's Authorized Officer and the CPM within 5 days of their receipt. The project owner shall notify BLM's Authorized Officer and the CPM within 24 hours of any orders issued to halt construction.		X		As needed	As needed			

Waste Mgmt	WASTE-3	The project owner shall prepare a Construction Waste Management Plan for all wastes generated during construction of the facility and shall submit the plan to BLM's Authorized Officer and the CPM for review and approval. The plan shall contain, at a minimum, the following: • a description of all construction waste streams, including projections of frequency, amounts generated, and hazard classifications; and • management methods to be used for each waste stream, including temporary on-site storage, housekeeping and best management practices to be employed, treatment methods and companies providing treatment services, waste testing methods to assure correct classification, methods of transportation, disposal requirements and sites, and recycling and waste minimization/source reduction plans.	The project owner shall submit the Construction Waste Management Plan to BLM's Authorized Officer and the CPM for approval no less than 30 days prior to the initiation of construction activities at the site. BLM's Authorized Officer and the CPM shall approve or identify any material deficiencies in the Construction Waste Management Plan within 30 days following receipt of the Plan.	X			6/15/2010	Approved	6/25/2010	10/7/2010	
Waste Mgmt	WASTE-4	The project owner shall obtain a hazardous waste generator identification number from the United States Environmental Protection Agency prior to generating any hazardous waste during project construction and operations.	The project owner shall keep a copy of the identification number on file at the project site and provide documentation of the hazardous waste generation notification and receipt of the number to BLM's Authorized Officer and the CPM in the next scheduled Monthly Compliance Report after receipt of the number. Submittal of the notification and issued number documentation to BLM's Authorized Officer and the CPM is only needed once unless there is a change in ownership, operation, waste generation, or waste characteristics that requires a new notification to USEPA. Documentation of any new or revised hazardous waste generation notifications or changes in identification number shall be provided to BLM's Authorized Officer and		X	X	As needed	Ongoing			
Waste Mgmt	WASTE-5	Upon becoming aware of any impending waste management-related enforcement action by any local, state, or federal authority, the project owner shall notify BLM's Authorized Officer and the CPM of any such action taken or proposed to be taken against the project itself, or against any waste hauler or disposal facility or treatment operator with which the owner contracts.	The project owner shall notify BLM's Authorized Officer and the CPM in writing within 10 days of becoming aware of an impending enforcement action. BLM's Authorized Officer and the CPM shall notify the project owner of any changes that will be required in the way project-related wastes are managed.		X	X	As needed	As needed			
Waste Mgmt	WASTE-6	The project owner shall prepare an Operation Waste Management Plan for all wastes generated during operation of the facility and shall submit the plan to BLM's Authorized Officer and the CPM for review and approval. The plan shall contain, at a minimum, the following: • a detailed description of all operation and maintenance waste streams, including projections of amounts to be generated, frequency of generation, and waste hazard classifications; • management methods to be used for each waste stream, including temporary on-site storage, housekeeping and best management practices to be employed, treatment methods and companies providing treatment services, waste testing methods to assure correct classification, methods of transportation, disposal requirements and sites, and recycling and waste minimization/source reduction plans; • information and summary records of conversations with the local Certified Unified Program Agency and the Department of Toxic Substances Control regarding any waste management requirements necessary for project activities. Copies of all required waste management permits, notices, and/or authorizations shall be included in the plan and updated as necessary; • a detailed description of how facility wastes will be managed and any contingency plans to be employed,	The project owner shall submit the Operation Waste Management Plan to BLM's Authorized Officer and the CPM for approval no less than 30 days prior to the start of project operation. BLM's Authorized Officer and the CPM shall approve or identify any material deficiencies in the Operation Waste Management Plan within 30 days following receipt of the Plan.The project owner shall submit any required revisions to BLM's Authorized Officer and the CPM within 20 days of notification from BLM's Authorized Officer and the CPM that revisions are necessary. The project owner shall also document in each Annual Compliance Report the actual volume of wastes generated and the waste management methods used during the year; provide a comparison of the actual waste generation and management methods used to those proposed in the original Operation Waste Management Plan; and update the Operation Waste Management Plan as necessary to address current waste generation and management practices.		X	X	2013	Not yet started			
Waste Mgmt	WASTE-7	The project owner shall ensure that all spills or releases of hazardous substances, hazardous materials, or hazardous waste are reported, cleanedup, and remediated as necessary, in accordance with all applicable federal, state, and local requirements.	The project owner shall document all unauthorized releases and spills of hazardous substances, materials, or wastes that occur on the project property or related pipeline and transmission corridors. The documentation shall include, at a minimum, the following information: location of release; date and time of release; reason for release; volume released; amount of contaminated soil/material generated; how release was managed and material cleaned up; if the release was reported; to whom the release was reported; release corrective action and cleanup requirements imposed by regulating agencies; level of cleanup achieved and actions taken to prevent a similar release or spill; and disposition of any hazardous wastes and/or contaminated soils and materials that may have been generated by the release. Copies of the unauthorized spill documentation shall be provided to BLM's		X	X	As needed	As needed			
Worker Safety & FP	WS-1	The project owner shall submit to BLM's Authorized Officer and the Compliance Project Manager (CPM) a copy of the Project Construction Safety and Health Program containing the following: • A Construction Personal Protective Equipment Program; • A Construction Exposure Monitoring Program; • A Construction Injury and Illness Prevention Program; • A Construction Emergency Action Plan; and • A Construction Fire Prevention Plan.	At least thirty (30) days prior to the start of construction, the project owner shall submit to BLM's Authorized Officer and the CPM for review and approval a copy of the Project Construction Safety and Health Program. The project owner shall provide a copy of a letter to the BLM's Authorized Officer and CPM from the San Bernardino County Fire Department, if any is received, stating the Fire Department's comments on the Construction Fire Prevention Plan and Emergency Action Plan. The Personal Protective Equipment Program, the Exposure Monitoring Program, and the Injury and Illness Prevention Program shall be submitted to BLM's Authorized Officer and the CPM for review and approval concerning compliance of the program with all applicable Safety Orders. The Construction Emergency Action Plan and the Fire Prevention Plan shall be submitted to the San Bernardino County Fire Department for review and comment prior to submittal to the BLM's Authorized	X			9/8/2010	Approved	9/3/2010	10/7/2010	
Worker Safety & FP	WS-2	The project owner shall submit to BLM's Authorized Officer and the CPM a copy of the Project Operations and Maintenance Safety and Health Program containing the following: • An Operation Injury and Illness Prevention Plan; • An Emergency Action Plan; • Hazardous Materials Management Program; • Fire Prevention Program (8 CCR § 3221); and; • Personal Protective Equipment Program (8 CCR §§ 3401-3411).	At least thirty (30) days prior to the start of first-fire or commissioning, the project owner shall submit to BLM's Authorized Officer and the CPM for approval a copy of the Project Operations and Maintenance Safety and Health Program. The project owner shall provide a copy of a letter to BLM's Authorized Officer and the CPM from the San Bernardino County Fire Department stating the Fire Department's comments on the Operations Fire Prevention Plan and Emergency Action Plan. The Operation Injury and Illness Prevention Plan, Emergency Action Plan, and Personal Protective Equipment Program shall be submitted to BLM's Authorized Officer and the CPM for review and approval concerning compliance of the program with all applicable Safety Orders. The Operation Fire Prevention Plan and the Emergency Action Plan shall also be submitted to the San Bernardino County Fire		X		2013	Not yet started			
Worker Safety & FP	WS-3	The project owner shall provide a site Construction Safety Supervisor (CSS) who, by way of training and/or experience, is knowledgeable of power plant construction activities and relevant laws, ordinances, regulations, and standards, is capable of identifying workplace hazards relating to the construction activities, and has authority to take appropriate action to assure compliance and mitigate hazards. The CSS shall: • Have over-all authority for coordination and implementation of all occupational safety and health practices, policies, and programs; • Assure that the safety program for the project complies with Cal/OSHA and federal regulations related to power plant projects; • Assure that all construction and commissioning workers and supervisors receive adequate safety training; • Complete accident and safety-related incident investigations, emergency response reports for injuries, and inform BLM's Authorized Officer and the CPM of safety-related incidents; and	At least thirty (30) days prior to the start of site mobilization, the project owner shall submit to BLM's Authorized Officer and the CPM the name and contact information for the Construction Safety Supervisor (CSS). The contact information of any replacement (CSS) shall be submitted to BLM's Authorized Officer and the CPM within three business days. The CSS shall submit in the Monthly Compliance Report a monthly safety inspection report to include: • a record of all employees trained for that month (all records shall be kept on site for the duration of the project); • a summary report of safety management actions and safety-related incidents that occurred during the month; • a report of any continuing or unresolved situations and incidents that may pose danger to life or health; and	X	X		8/13/2010	Approved	6/24/2010	9/2/2010	
Worker Safety & FP	WS-4	The project owner shall make payments to the Chief Building Official (CBO) for the services of a Safety Monitor based upon a reasonable fee schedule to be negotiated between the project owner and the CBO. Those services shall be in addition to other work performed by the CBO. The Safety Monitor shall be selected by and report directly to the CBO, and will be responsible for verifying that the Construction Safety Supervisor, as required in WORKER SAFETY-3, implements all applicable Cal/OSHA and Commission safety requirements. The Safety Monitor shall conduct on-site	At least thirty (30) days prior to the start of construction, the project owner shall provide proof of its agreement to fund the Safety Monitor services to BLM's Authorized Officer and the CPM for review and approval.	X			8/20/2010	Approved	8/20/2010	9/2/2010	

Worker Safety & FP	WS-5	The project owner shall ensure that a portable automatic external defibrillator (AED) is located on site during construction and operations and shall implement a program to ensure that workers are properly trained in its use and that the equipment is properly maintained and functioning at all times. During construction and commissioning, the following persons shall be trained in its use and shall be on-site whenever the workers that they supervise are on-site: the Construction Project Manager or delegate, the Construction Safety Supervisor or delegate, and all shift foremen. During operations, all power plant employees shall be trained in its use. The training program shall be submitted to BLM's Authorized Officer and the CPM for review and approval.	At least thirty (30) days prior to the start of site mobilization the project owner shall submit to BLM's Authorized Officer and the CPM proof that a portable AED exists on site and a copy of the training and maintenance program for review and approval.	X			8/13/2010	Approved	8/13/2010	9/2/2010	
Worker Safety & FP	WS-6	The project owner shall prepare and implement a Best Management Practices (BMPs) for the storage and application of herbicides used to control weeds beneath and around the solar array. These plans shall be submitted to BLM's Authorized Officer and the CPM for review and approval.	At least thirty (30) days prior to the start of site mobilization, the project owner shall submit to BLM's Authorized Officer and the CPM for review and approval a copy of the Best Management Practices (BMPs) for the storage and application of herbicides.	X			7/15/2010	Approved	7/7/2010	10/7/2010	
Worker Safety & FP	WS-7	The project owner shall either: (1) Reach an agreement with the San Bernardino County FireDepartment (SBCFD) regarding funding of its project-related share of capital and operating costs to improve fire protection/emergency response infrastructure and provide appropriate equipment as mitigation of project-related impacts on fire protection/emergency response services within the jurisdiction; or (2) If no agreement can be reached, the project owner shall fund a study (the "independent fire needs assessment and risk assessment") conducted by an independent contractor who shall be selected by the project owner and approved by the CEC Compliance Project Manager (CPM), in consultation with San Bernardino County Fire Department, and fulfill all mitigation identified in the independent fire needs assessment and a risk assessment. The study will evaluate the project's proportionate funding responsibility for the above-identified mitigation measures, with particular attention to emergency response and equipment/staffing/location needs.	At least five (5) days before construction of permanent aboveground structures, the project owner shall provide to the CPM: (1) A copy of the individual agreement with the SBCFD or, if the owner joins a power generation industry association, a copy of the group's bylaws and a copy of the group's agreement with the SBCFD; and evidence in each January Monthly Compliance Report that the project owner is in full compliance with the terms of such bylaws and/or agreement; or (2) A protocol, scope and schedule of work for the independent study and the qualifications of proposed contractor(s) for review and approval by the CPM; a copy of the completed study showing the precise amount the project owner shall pay for mitigation; and documentation that the amount has been paid. Annually thereafter, the owner shall provide the CPM with verification of funding to the SBCFD if annual		X		3/1/2011	In progress			
Worker Safety & FP	WS-7 (continued)	Should the project owner pursue option (2), above, the study shall evaluate the following: (a) The project's proportionate (incremental) contribution to potential cumulative impacts on the SBCFD and the project allocated costs of enhanced fire protection/emergency response services including the fire response, hazardous materials spill/leak response, rescue, and emergency medical services necessary to mitigate such impacts; (b) The extent that the project's contribution to local tax revenue will reduce impacts on local fire protection and emergency response services; and (c) Recommend an amount of funding (and corresponding payment plan) that represents the project's proportional payment obligation for the above-identified mitigation measures. Compliance Protocols shall be as follows: (a) The study shall be conducted by an independent consultant selected by the project owner and approved by the CPM after consultation with the SBCFD. The project owner shall provide the CPM with the names of at least three consultants, whether entities or individuals, from which to make a selection, together with statements of qualifications; (b) The study shall be fully funded by the project owner. (c) The project owner shall provide the protocols for conducting the independent study for review and comment by the SBCFD and review and approval by the CPM prior to the independent consultant's commencement of the study; (d) The consultant shall not communicate directly with the project owner or SBCFD without express prior authorization from the CPM. When such approval is given, the CPM shall be copied on any correspondence between or among the project owner, SBCFD, and the consultant (including emails) and included in	At least five (5) days before construction of permanent aboveground structures, the project owner shall provide to the CPM: (1) A copy of the individual agreement with the SBCFD or, if the owner joins a power generation industry association, a copy of the group's bylaws and a copy of the group's agreement with the SBCFD; and evidence in each January Monthly Compliance Report that the project owner is in full compliance with the terms of such bylaws and/or agreement; or (2) A protocol, scope and schedule of work for the independent study and the qualifications of proposed contractor(s) for review and approval by the CPM; a copy of the completed study showing the precise amount the project owner shall pay for mitigation; and documentation that the amount has been paid. Annually thereafter, the owner shall provide the CPM with verification of funding to the SBCFD if annual payments were approved or recommended under either of the above-described funding resolution options.		X		3/1/2011	In progress			
Worker Safety & FP	WS-8	The project owner shall: Provide a $200,000 payment to San Bernardino County Fire Department prior to the start of construction. This funding shall off-set any initial funding required by WORKER SAFETY-7 above until the funds are exhausted. This offset will be based on a full accounting by the San Bernardino County Fire Department regarding the use of these funds.	At least five (5) days prior to the start of construction the project owner shall provide documentation of the payment described above to the CPM. The CPM shall adjust the payments initially required by WORKER SAFETY-7 based upon the accounting provided by the San Bernardino County Fire Department.	X			10/1/2010	Approved	10/4/2010	10/7/2010	

Exhibit 4

Air Quality Monthly Compliance Report
Condition of Certification
AQSC-3, AQSC-4, & AQSC-5

Air Quality Monthly Compliance Report

May 2012

IVANPAH SOLAR ELECTRIC GENERATING SYSTEM

CALIFORNIA ENERGY COMMISSION
DOCKET NUMBER 07-AFC-5

June 15, 2012

Completed by:
Jennifer Wallens
Site Compliance Assistant
BrightSource Energy Inc.
for
Tracie Wheaton, AQCMM

Table of Contents

1. Conditions Satisfied During Reporting Period

The following Conditions of Certification were satisfied during the reporting period:

AQ-SC2 – Implemented the Air Quality Construction Mitigation Plan (AQCMP) as approved on June 2, 2011.

AQ-SC3 – This condition will be continually enforced through implementation of the site AQCMP. The Site Compliance Manager required watering of unpaved and paved roads, and disturbed areas where all site activities took place. Speed limits are being enforced on site in compliance with the AQCMP. The wheel wash station continues to be in operation.

AQ-SC4 - This condition will be continually enforced through implementation of the site AQCMP. The Site Compliance Manager did not require additional dust plume response during the reporting period. Dust plumes were not an issue at the Ivanpah site during the reporting period.

AQ-SC5 - This condition will be continually enforced through implementation of the site AQCMP. The Site Compliance Manager required heavy, diesel fueled equipment to be inspected prior to entering the site. Vehicles logs were obtained from each contractor and compiled into the attached Appendix B, Heavy Equipment List.

Every attempt was made to ensure the use of Tier III equipment on the site for construction diesel engines with a rating of 50 hp or higher during the month of March 2012. There were no Tier 0 or Tier I pieces of equipment used on site during the reporting period and all sub-contractors have been made aware of the site requirements for the use of Tier III equipment. Appendix B has been updated to reflect the replacement or removal of several Tier II pieces of equipment on the site with the required Tier III pieces of equipment. Equipment that has been removed from the site is highlighted in yellow in Appendix B. Equipment that has been introduced to the site during the reporting period is highlighted in green. Appendix B includes detailed information on any Tier II off-road equipment larger than 100 hp listed along with documentation included within Appendix B showing where Tier III equipment was not available within the area.

Evidence of attempting to obtain Tier III equipment from at least two different suppliers to satisfy the "good faith effort" language as stated in this condition has also been included and listed in Appendix B. Appendix B also includes letters from heavy equipment contractors ensuring equipment was in proper working order for each piece of equipment listed within the Heavy Equipment List. Vehicles and their undercarriages were inspected by the Site Compliance Manager and compiled in the attached Appendix E, Vehicle Undercarriage Inspection Log.

Although there is no mirror washing, commercial operations, or boiler operations underway at this time, we have begun to make submittals for some of the conditions included within AQ-SC7 through AQ-SC10 and AQ-1 through AQ-31.

AQ-SC9 – Auxiliary Boiler specifications were submitted on August 28, 2011.

AQ-17 – Specifications for the Emergency Fire Pump hour timer were submitted on June 6, 2011.

AQ-22 – Specifications for the Emergency Fire Pump were submitted on June 6, 2011.

AQ-26 – Specifications for the Emergency Generator hour timer were submitted on September 26, 2011.

AQ-31– Specifications for the Emergency Generator were submitted on June 6, 2011.

An Air Quality Amendment (PTA) was submitted to the CEC, BLM, and MDAQMD on February 29, 2012. The PTA is currently with the agencies for review and approval. No CEC Air Quality COCs (those designated as "AQ-SC") and no Public Health COCs will be changed. The only COCs that will be affected by this PTA are the Air Quality COCs designated as "AQ", as described in Attachment 1 - Revisions to the Authority to Construct for Ivanpah SEGS Project. Specifically, language and emission maximums have been changed in conditions AQ-5 and AQ-6 and daily fuel use in condition AQ-12.

2. Missed Submittal Deadlines

There were no missed submittal deadlines within the May 2012 reporting period.

3. Project Compliance Activities

3.1 AQCMM (AQ-SC1)

The AQCMM and delegate were approved on 10-7-2010 with the project Notices to Proceed from the California Energy Commission and Bureau of Land Management.

3.2 AQCMP (AQ-SC2)

Implemented the Air Quality Construction Mitigation Plan (AQCMP) as approved on June 2, 2011.

3.3 Fugitive Dust (AQ-SC3)

The following actions were taken to maintain compliance with fugitive dust requirements:

- ✓ Main roads were paved or stabilized using water
- ✓ Unpaved roads were stabilized using water
- ✓ Disturbed areas were watered during grading

- ✓ Disturbed areas were stabilized using water
- ✓ Vehicle speed limits were enforced in accordance with the AQCMP
- ✓ Visible speed limit sign was posted at the construction site entrance
- ✓ Construction equipment vehicle tires were inspected to prevent tire track out on paved roadways
- ✓ All unpaved exits from the construction site were treated to prevent track-out to public roadways
- ✓ All construction vehicles entered the construction site through the treated entrance roadways as specified in the SWPPP and DESCP
- ✓ Run-off prevention measures were applied to construction areas adjacent to paved roadways
- ✓ Paved roadways were swept daily or as needed
- ✓ Paved public roadways were swept as needed
- ✓ No soil storage piles or disturbed areas remained inactive for longer than 10 days during the reporting period
- ✓ No vehicles were used to transport solid bulk material off site onto public roadways.
- ✓ Wind erosion control techniques were applied at construction areas
- ✓ Gravel ramps of at least 20 feet in length at the tire washing/cleaning station were implemented as the station construction and required water lines have been developed
- ☐ Other actions were taken (describe).

3.4 Dust Plume Response (AQ-SC4)

The following actions were taken to maintain compliance with dust plume response requirements.

- ☐ The AQCMM directed more intensive application of existing mitigation measures within 15 minutes of making a determination of a visible dust plume having the potential to be transported in accordance with Condition of Certification AQ-SC4.
- ☐ The AQCMM directed implementation of additional methods of dust suppression within 30 minutes of making a determination of a visible dust plume having the potential to be transported in accordance with Condition of Certification AQ-SC4.
- ☐ The AQCMM directed a temporary shutdown of an activity causing a visible dust plume within 1 hour of making a determination of a visible dust plume having the potential to be transported in accordance with Condition of Certification AQ-SC4.
- ☐ Other actions were taken (describe).

3.5 Diesel-Fueled Engine Control Requirements (AQ-SC5)

The following actions were taken to maintain compliance with Diesel-fueled engine control requirements:

- ✓ Visible tags were attached to Diesel-fueled engines used in facility construction
- ✓ All Diesel engines construction diesel engines with a rating of 50 hp or higher introduced to the site were certified Tier III or better

✓ In the event that a Tier III engine was not available for any off-road equipment larger than 100 hp, that equipment was equipped with a Tier II engine, or an engine that is equipped with retrofit controls to reduce exhaust emissions. Tier II engines were introduced to the site, following a

demonstration that no Tier III engines were available. Details can be found within Appendix B for each vehicle.

☐ Tier 0 or Tier I engines were introduced to the site, following a demonstration that a Tier II engine was not available, and use of retrofit device to control emissions was not practical Details can be found within Appendix B for each vehicle.

✓ All heavy earth moving equipment and heavy duty construction trucks were properly maintained and engines were properly tuned. Documentation of proper vehicle maintenance is included in Appendix B for each vehicle.

✓ All diesel heavy construction equipment did not idle for more than five minutes.

☐ Other actions were taken (describe).

☐ Construction equipment will employ electric motors when feasible.

4. Scheduled Compliance Activities

The following project compliance activities are scheduled to occur during the next two months:

Continued documentation and enforcement of Conditions of Certification AQ-SC2, the Ivanpah SEGS Air Quality Construction Mitigation Plan, AQ-SC3, Construction Fugitive Dust Control, AQ-SC4, Dust Plume Response, and AQ-SC5, Diesel-Fueled Engine Control as required.

5. Cumulative Listing of Approved Changes to Conditions of Certification

The following changes have been made to Conditions of Certification:

Condition	Revision	Date of revision
None		

6. Complaints and Compliance Actions (Compliance-6)

There were no formal air quality complaints, notices of violation, official warnings, or citations received on the Ivanpah SEGS project site during the May 2012 reporting period.

6.1 Complaints

No complaints were received during the reporting period.

6.2 Notices of Violation

No notices of violation were received during the reporting period.

6.3 Official Warnings

No official warnings were received during the reporting period.

6.4 Citations

No citations were received during the reporting period.

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Appendix A Key

Events List

KEY EVENTS LIST

Last Updated June 1, 2012

PROJECT/POWER PLANT: Ivanpah SEGS DOCKET #: 07-AFC-5C

BLM'S AUTHORIZED OFFICER: TOM HURSHMAN

COMPLIANCE PROJECT MANAGER: JOSEPH DOUGLAS

EVENT DESCRIPTION	DATE
Certification Date	09/22/2010
Obtain Site Control: ROW Grants Obtained	10/07/2010
Online Date	07/01/2013
POWER PLANT SITE ACTIVITIES	
Start Site Mobilization	10/08/2010
Start Ground Disturbance	10/08/2010
Start Grading	11/11/2010
Start Construction (Heliostat Bldg)	03/02/2011
Begin Pouring Major Foundation Concrete (SRSG Foundation)	04/27/2011
Begin Installation of Major Equipment (SRSG Load Module 1)	11/22/2011
Completion of Installation of Major Equipment (Turnover SRSG)	08/13/2012
First Roll of Steam Turbine	11/19/2012
Obtain Building Occupation Permit (Admin bldg)	03/31/2012
Start Commercial Operation	07/01/2013
Complete All Construction	04/30/2013
GENERATION TIE LINE ACTIVITIES	
Start Generation Tie Line Construction	Construction Ongoing
Synchronization with Grid and Interconnection	TBD
Complete Generation Tie Line Construction	TBD
FUEL SUPPLY LINE ACTIVITIES	
Start Gas Pipeline Construction and Interconnection	Construction Ongoing
Complete Gas Pipeline Construction	TBD
WATER SUPPLY LINE ACTIVITIES	
Start Water Supply Line Construction (Water Wells)	11/22/10
Complete Water Supply Line Construction (Tie-in UG Water Distribution)	03/12/12

Appendix B

Heavy Equipment List

Attachment B

Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
1	420E (Backhoe) , No. 08-536, Model Year 2007; owned by Cashman CAT	Crown Fence Rented	89	Tier II	Tier III engine was not available. See letters from Crown Fence dated 12.9.2010, Cashman CAT dated 12.8.2010 and email from Cashman CAT dated 12.16.2010, however, they are on notice that Crown would like one if one becomes available. In addition, Sunstate equipment rental was also contacted, and per their letter they do not have Tier III machines available.		Arrived at start of job in October 2010 Removed from site February 18, 2011 Returned to site March 2, 2011 Removed from site April 28, 2011
2	D6N (Dozer), No. 07-2001, Model Year 2008; Cashman CAT	Crown Fence Rented	190	Tier III			This equipment was removed from the site at the end of November.
3	585 (Forklift), No. 06-952, Model Year 2006; owned by Cashman CAT	Crown Fence Rented	75	Tier II	Tier III engines was not available. See letters from Crown Fence dated 12.9.2010 and Cashman CAT dated12.8.2010, however, they are on notice that Crown would like one if one becomes available. In addition, Sunstate equipment rental was also contacted, and per their letter they do not have Tier III machines available.		Arrived at start of job in October 2010 Removed from site February 18, 2011
4	185 (Air Compressor), No. CE000563, Model Year 2007; Cashman CAT	Crown Fence Rented	60	Tier III			This equipment was removed from the site at the end of November.
5	185 (Air Compressor), No. 07-1659, Model Year 2007; Cashman CAT	Crown Fence Rented	60	Tier III			This equipment was removed from the site at the end of November.
6	185 (Air Compressor), No. CE000517, Model Year 2007; Cashman CAT	Crown Fence Rented	60	Tier III			This equipment was removed from the site at the end of November.
7	TL1255 (Reachlift) No. 07-1905, Model Year 2007; owned by Cashman CAT	Crown Fence Rented	142	Tier III			Arrived at start of job in October 2010 Removed from site February 18, 2011

Equipment has been removed from the ISEGS site.

Equipment introduced and removed during the current reporting period.

Equipment introduced to the site during the current reporting period.

Attachment B

Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
8	262 (Skid Steer) No. 07-1101, Model Year 2007; owned by Cashman CAT	Crown Fence	74	Tier III			Arrived at start of job in October 2010 Removed from site on December 27, 2010
9	Drill Rig, Jensen Boart Longyear Delta Base 102, Year 2008, owned by Jensen	Engeo	179	Tier III			Arrived the first week in November 2010 Removed from site January 15, 2011
10	Drill Rig, Jensen EGT, MD700, Year 1999, engine replaced with a 2006 Perkins 1006C-E60T	Engeo	215	Tier II	Rigs are provided to them by Jensen. Engeo has requested a replacement that is Tier III, but currently none are available. Equipment supplier is part of the California program that allows him replace his rigs with higher Tier rigs, so all efforts are being made by the equipment supplier to have Tier III available. See ENGEO letter dated 12.8.2010 and its attachment letter from Jensen Drilling Company.		Removed from the site the week of November 29
11	Drill Rig, Jet Drilling Registration 145158, Deutz model TCD914L06	Engeo	174	Tier III, CEPA registered Rig			Removed from site at the end of November
12	Loader, Kawasaki 95Z, Year 2002	LVP 305092	360	Does not meet Tier II			Up to date EPA Tier information could not be obtained for this piece of equipment and it was therefore promptly removed from the site. The contractor is currently looking for a Tier III replacement.
13	Scrapper, Caterpillar 631G, Year 2006, LVP owned	LVP 325148	526	Tier III			Arrived at start of job in October 2010 Removed from site December 2, 2010
14	Scrapper, Caterpillar 631G, Year 2006, LVP owned	LVP 325154	526	Tier III			Arrived at start of job in October 2010 Removed from site May 1, 2011

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Attachment B

Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
15	Scrapper, Caterpillar 631, Year 2006, LVP owned	LVP 325156	526	Tier III			Arrived at start of job in October 2010 Removed from site November 01, 2011
16	Scrapper, Caterpillar 631G, Year 2006, LVP owned	LVP 325157	526	Tier III			Arrived at start of job in October 2010 Removed from site August 15, 2011
17	Paddle wheel scrapper, Caterpillar, 623G, Year 2006, LVP owned	LVP 335113	330	Tier III			Arrived at start of job in October 2010 Still on site
18	Dozer, Caterpillar D10T, Year 2005, LVP owned	LVP 345150	646	Tier III			Arrived at start of job in October 2010 Removed from site November 05, 2011
19	Blade, Caterpillar 14H, Year 2006, LVP owned	LVP 375309	439	Tier II	An attempt was made to rent Tier III equipment, but none was available. (See letter previously submitted plus Jan. 19 letter from Arnold Machinery). Note: When they are available, the switch will be made.		Arrived at start of job in October 2010 Still on site
20	Blade, Caterpillar 14H, Year 2000, LVP owned	LVP 375388	215	Tier II	An attempt was made to rent Tier III equipment, but none was available. (See letter previously submitted plus Jan. 19 letter from Arnold Machinery). Note: When they are available, the switch will be made.		Arrived at start of job in October 2010 Removed from site August 15, 2011
21	Water Truck, MEGA MST8, Year 2005, LVP owned	LVP 425587	330	Tier III			Arrived at start of job in October 2010 Still on site
22	Water Truck, MEGA MST8, Year 2006, LVP owned	LVP 425605	330	Tier III			Arrived at start of job in October 2010 Still on site

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Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
23	Compactor, Caterpillar 825H, Year 2005, LVP owned	LVP 465681	354	Tier III			Arrived at start of job in October 2010 Removed from site September 2011
24	Forklift, Caterpillar TH580B, Year 2005, LVP owned	LVP 516303	117.5	Tier II	Tier II was not available in November. The unit was replaced with a Tier III		Removed from the site December 8, 2010. Was replaced by the unit listed as No. 62.
25	Backhoe, Ford 655E	LVP 486177	92	Rating not available			Up to date EPA Tier information could not be obtained for this piece of equipment and it was therefore promptly removed from the site. The contractor is currently looking for a Tier III replacement.
28	Blade, Caterpillar 14H, Year 2005, LVP owned	LVP 375311	229	Tier II	An attempt was made to rent Tier III equipment, but none was available. (See letter previously submitted plus Jan. 19 letter from Arnold Machinery). Note: When they are available, the switch will be made.		Arrived at start of job in October 2010 Removed from site November 05, 2011
29	Water Truck, Caterpillar 621, year 2004, LVP owned	LVP 425600	330	Tier II	Tier III was not initially available. See LVP letter dated 12.7.2010. A Tier III replacement has been found and is scheduled to come on site in December.		Arrived at start of job in October 2010 Removed from the site December 9, 2010. Replaced by the Mega MST8 listed as No. 61
30	Scraper, Caterpillar 631G, year 2006, LVP owned	LVP 325159	500	Tier III			Arrived at start of job in October 2010 Removed from site August 15, 2011
31	Dozer, Caterpillar D10T, year 2005, LVP owned	LVP 345151	579	Tier III			Arrived at start of job in October 2010 Removed from site November 05, 2011

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Equipment introduced to the site during the current reporting period.

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Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
32	SFC, Caterpillar CS563E, year 2004, LVP owned	LVP 455686	150	Tier II	Tier III was not available. (See letter regarding this unit that was previously submitted and the Jan. 14 letter from Cashman.) This unit is only in use if a Tier III unit is out for repair or schedule demands require		Arrived at start of job in October 2010 Still on site, being used only on an as needed basis as a back up
33	Compactor, Caterpillar 825H, year 2005	LVP 465678	354	Tier III			Was never on site. Equipment was scheduled to come on site in October, but was never delivered.
34	Compactor, Dynapac CP271, year 2002, LVP owned	LVP 715242	99	Tier I	See LVP letter dated 12.7.2010 regarding this unit.		Equipment was removed from the site on December 9. 2010 and the contractor has been notified that Tier III equipment is required on site.
35	Compactor, Dynapad CC501, year 1996, LVP owned	LVP 725291	210	Tier 1	See LVP letter dated 12.7.2010 regarding this unit.		Equipment was removed from the site on December 9. 2010 and the contractor has been notified that Tier III equipment is required on site.
36	Compactor, Bomag BW213PD, year 2007 owned by Apco R461199 purchased by LVP and assigned a new number	LVP 455237	158	Tier II	Tier III was not available. (See letter regarding this unit that was previously submitted and the Jan. 14 letter from Cashman.)		Arrived at start of job in October 2010 Removed from site April 30, 2012
37	Compactor, Dynapac CC722, year 2006, owned by Apco	LVP Rented R721017	228	Tier III			Arrived at start of job in October 2010 Removed from site January 2012
38	Blade, No. 2ZK000168, Model Year 1995; Addison	Crown Fence Rented	188	Tier 0	Tier III graders in this size range do not exist. A good faith effort was made to lease Tier II graders in the region. Tier II graders in the region were and continue to be unavailable. See Cashman CAT letter dated 10.21.2010.	Retrofit control device kits have not been developed for graders in this size range.	This equipment was removed from the site at the end of October. Included as a response to October Monthly Compliance Report comments. The site and contractor has been notified that Tier III equipment is required on site.

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Equipment introduced and removed during the current reporting period.

Equipment introduced to the site during the current reporting period.

Attachment B

Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
39	Blade, No. 2ZK04907, Model Year 2000; Addison	Crown Fence Rented	188	Tier 1	Tier III graders in this size range do not exist. A good faith effort was made to lease Tier II graders in the region. Tier II graders in the region were and continue to be unavailable. See Cashman CAT letter dated 10.21.2010.	Retrofit control device kits have not been developed for graders in this size range.	This equipment was removed from the site at the end of October. Included as a response to October Monthly Compliance Report comments. The site and contractor has been notified that Tier III equipment is required on site.
40	Crane, Grove 530E-2, Year 2007, BEO owned	Bechtel 16971	152	Tier III			Arrived on site December 13, 2010 Still on site
41	Crane, Terex RT 780, Year 2008, BEO owned	Bechtel 20902	205	Tier III			Arrived on site December 13, 2010 Still on site
42	Excavator, CAT 328D, Year 2008, BEO owned	Bechtel 100041	201	Tier III			Arrived on site December 20, 2010 Still on site
43	Forklift, Genie GTH1048, Year 2009, BEO owned	Bechtel 27852	125	Tier III			Arrived on site December 13, 2010 Still on site
44	Generator, Whisper Watt, owned by Sunstate	Bechtel	55	Tier III			Arrived on site beginning of December. Generator was on site but was never turned on or used Removed from the site January 10, 2011
45	Loader, John Deere 410J, Year 2009, BEO owned	Bechtel 100040	98	Tier III			Arrived on site December 13, 2010 Still on site
46	Wheel loader, John Deere 544K, year 2008, owned by BEO	Bechtel 100019	153	Tier III			Arrived on site December 13, 2010 Still on site

Equipment has been removed from the ISEGS site.

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Equipment introduced to the site during the current reporting period.

Attachment B

Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
47	Reach Forklift, CAT TL943, owned by Cashman CAT	Crown Fence Rented	99	Tier II	Tier III engine was not available. See email from Cashman CAT dated 12.16.2010, however, they are on notice that Crown would like one if one becomes available. In addition, Sunstate equipment rental was also contacted, and per their letter they do not have Tier III machines available.		Arrived on site December 7, 2010 Removed from site February 18, 2011 Returned on March 2, 2011 Removed from site January 13, 2012 Returned to site March 01, 2012 Still on site
48	Mini Excavator, CAT 305, owned by Cashman CAT	Crown Fence Rented	42	Tier II	Tier III engine was not available. See email from Cashman CAT dated 12.16.2010		Arrived on site December 7, 2010 Removed from site December 27, 2010 Returned to site March 2, 2011 Removed from site April 7, 2011
49	Air Compressor, Ingersoll Rand Cummins QSC engine, Year 2007	Layne 27 AC0060	257	Tier III, CEPA registration # 143661			Arrived December 2, 2010 Removed from the site the week of January 24, 2011
50	Air Compressor, Ingersoll Rand 1170 CFM, CAT C-15 engine, Year 2006	Layne AC-59	525	Tier III			Arrived December 16, 2010 Removed from site week of February 7, 2011
51	Backhoe/Loader, John Deere 410, Year 2006, owned by Hertz	Layne Rented	75	Tier II	Layne did not have a Tier II or Tier III backhoe in their fleet (see previously submitted letter from Layne). A Tier II was rented from Hertz since they did not have a Tier III available. (See letter) They also contacted Mako equipment. A letter has been provided stating Mako does not have any Tier III backhoes.		Arrived on site week of December 7, 2010 Removed from site on February 22, 2011

Equipment has been removed from the ISEGS site.

Equipment introduced and removed during the current reporting period.

Equipment introduced to the site during the current reporting period.

Attachment B

Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
52	Drill Rig, Taylor 4000 HRT Year 2004, Engine Year 2002, CAT C-12	Layne DR-30	425	Tier II	A Tier III rig was not available for rent, so they used the Tier II in their fleet. See Layne Christensen letter.		Arrived on site December 2, 2010 Removed from the site on January 24, 2011
53	Water Pump, Mission, Deutz F4L914	Layne WP-10	75	Tier II, CEPA registration # 124940	A Tier III rig was not available for rent, so they used the Tier II in their fleet. See Layne Christensen letter.		Arrived on site in December 1, 2010 Removed from the site the week of January 24, 2011
54	Loader, Kawasaki 85ZV-2, Year 2007, LVP owned	LVP 295105	240	Tier III			Arrived on site December 28, 2010 Still on site
55	Scrapper, Caterpillar 631G, Year 2006, LVP owned	LVP 325149	526	Tier III			Arrived December 10, 2010 Removed from site November 01, 2011
56	Scrapper, Caterpillar 631G, Year 2006, LVP owned	LVP 325151	526	Tier III			Arrived December 13, 2010 Removed from site August 15, 2011
57	Scrapper, Caterpillar 631G, Year 2007, LVP owned	LVP 325155	526	Tier III			Arrived December 16, 2010 Removed from site August 15, 2011
58	Scrapper, Caterpillar 631G, Year 2006, LVP owned	LVP 325158	526	Tier III			Arrived on site December 16, 2010 Removed from site May 01, 2011
59	Paddle wheel scrapper, Caterpillar 623G, Year 2007, LVP owned	LVP 335194	331	Tier III			Arrived on site December 16, 2010 Still onsite

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Attachment B

Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
60	Blade, Caterpillar 14H, Year 2006, LVP owned	LVP 375319	439	Tier II	An attempt was made to rent Tier III equipment, but none was available. (See letter previously submitted plus Jan. 19 letter from Arnold Machinery). Note: When they are available, the switch will be made.		Arrived December 16, 2010 Left site June 14, 2011 Returned to site March 20, 2012
61	Water Truck, Mega MST8, Year 2005, LVP owned	LVP 425610	365	Tier III			Arrived on site December 09, 2010 Removed from site October 2011
62	Forklift, Caterpillar, TBN00728, Year 2010, Cashman owned CE001072 was purchased by LVP and assigned a new equipment number	LVP 516311	117	Tier III			Arrived December 06, 2010 Still on site
63	Compactor, HAMM HD140 Vo, Year 2010, owned by APCO	LVP Rented R720318	135	Tier III			Arrived on site December 7, 2010 Removed from site November 1, 2011
64	Compactor, HAMM, GRW15, Year 2010, owned by APCO	LVP Rented R720319	114	Tier III			Arrived on site in December 7, 2010 Removed from site October 2011
65	Compactor, Dynapac CP271, year 2004, owned by LVP	LVP 715202	99	Tier II	LVP does not have any Tier III compactors available in their fleet. So, they contacted Apco (see letter submitted in December) and Cashman (see letter dated Jan. 14) and no Tier III rollers are available at this time.		Arrived on site December 16, 2010 Still on site
66	Crane, Terex RT 780, Year 2008, BEO owned	Bechtel 20675	205	Tier III			Arrived on site January 18, 2011 Still on site

Equipment has been removed from the ISEGS site.

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Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
67	Crane, Terex RT 780, Year 2008, BEO owned	Bechtel	300	Tier III			Arrived on site January 4, 2011 Still on site
68	Forklift, Genie GTH1048, Year 2009, BEO owned	Bechtel 27853	86	Tier III			Arrived on site January 19, 2011 Removed from site July 07, 2011
69	Forklift, Genie GTH1048, Year 2009, BEO owned	Bechtel 27854	86	Tier III			Arrived on site January 18, 2011 Still on site
70	Loader, John Deere 624J, Year 2007, BEO owned	Bechtel 21616	129	Tier III			Arrived on site January 19, 2011 Still on site
71	Backhoe, John Deere 310G, Year 2006, owned by Sunstate	Elemental 74070	76	Tier II	Elemental contacted Sunstate Rental and United Rentals to rent a backhoe. Neither had a Tier III available. (See letters provided)		Arrived on site January 19, 2011 Removed from site March 8, 2011 and replaced with a Tier III
72	Drill Rig, Atlas Copco T3W, CAT C15 engine, Year 2005, owned by Layne	Layne THD-495	595	Tier III, CEPA registration #133436			Arrived on site January 24, 2011 Removed from site week of February 7, 2011
73	Mud Pump, Deutz Garden Denver, D914L06, Year 2007, Layne owned	Layne 27MP0009	116	Tier III CEPA registration #149041			Arrived on site January 24, 2011 Removed from site week of February 7, 2011
74	Mud System, Shopelt S325, Year 2001, Layne owned	Layne PMS21	71	Tier III			Arrived on site January 24, 2011 Removed from site week of February 7, 2011
75	Dozer, Komatsu D51, Year 2010, Komatsu owned	LVP Rented	120	Tier III			Arrived on site January 7, 2010 Left site June 14, 2011

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Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
76	Blade, Caterpillar 14H, Year 2006, LVP owned	LVP 375317	439	Tier II	An attempt was made to rent Tier III equipment, but none was available. (See letter previously submitted plus Jan. 19 letter from Arnold Machinery). Note: When they are available, the switch will be made.		Returned to site January 13, 2011 Removed from site November 05, 2011 Returned to site March 20, 2012 Still on site
77	Compactor, Caterpillar CP323C, Year 2006, LVP owned	LVP 455690	82.5	Tier III			Arrived on site January 17, 2011 Removed from site November 01, 2012
78	Backhoe, Caterpillar 420E, year 2010, owned by LVP	LVP 486164 Rented by Fullmer from February 2012 to May 2012	99.9	Tier III			Arrived on site January 17, 2011 Removed from site November 01, 2011 Returned to site February 29, 2012 Removed from site May 16, 2012
79	Loader, Caterpillar IT62G, year 2007, owned by LVP	LVP R290393	211	Tier III			Arrived on site January 17, 2011 Removed from site November 01, 2011
80	Excavator, Caterpillar 320D, year 2008, owned by Cashman	LVP Rented R490260	148	Tier III			Arrived on site January 17, 2011 Removed from site November 01, 2012 Returned to site March 20, 2012 Still on site

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Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
81	Test Pump, Detroit 6064HV33, Layne owned	Layne PE7	600	Tier II	Since the equipment is specialized for the task, and it was schedule to operate for less than 5 days. The AQMP did not require additional contacts to be made in this case.		Arrived on site February 2, 2011. However, equipment was only used from February 10, 2011 to February 13, 2011. Removed February 22, 2011
82	Loader, John Deere 544J, Year 2005, owned by United Rentals	Elemental Rented 734942	152	Tier II	Elemental contacted United Rentals to rent a loader. A Tier III was not available, so a Tier II was rented. However, United anticipated having a Tier III available in the next few weeks, and at that time this loader will be replaced. (See letter dated 2/8/11) Elemental is still in contact with Sunstate who still does not have a Tier III loader available. (See letter submitted in January)		Arrived on site February 11 2011 Removed from site March 8, 2011
83	Excavator, John Deere JD350, Year 2009, owned by United Rentals	Elemental Rented 1125619	246	Tier III			Arrived on site February 11 2011 Removed from site March 10, 2011 Equipment needs repaired, and was taken back to United Rentals. A temporary replacement is being brought in. Returned to site April 11, 2011 Removed from site June 2, 2011
84	Paddle wheel scrapper, Caterpillar, 623G, Year 2006, LVP owned	LVP 335114	365	Tier III			Arrived on site February 14, 2011 Removed from site November 01, 2011
85	Water Truck, MEGA MST8, Year 2005, LVP owned	LVP 425611	365	Tier III			Arrived on site February 14, 2011 Removed from site May 01, 2011 Returned to site September 2011 Still on site

Equipment has been removed from the ISEGS site.

Equipment introduced and removed during the current reporting period.

Equipment introduced to the site during the current reporting period.

Attachment B

Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
86	Excavator, Caterpillar 330D, Year 2008, owned by Cashman	Bechtel Rented 07-1548	215	Tier III			Arrived on site February 14, 2011 Removed from site March 31, 2011
87	Forklift, Hyster, Year 2008, owned by Neff Rentals	Bechtel Rented W408041R	115	Tier III			Arrived on site February 15, 2011 Removed from site December 20, 2011
88	Reachfork, Skytrack 10054, Year 2010, owned by Hertz	Was Conco is now being rented by Bechtel Rented	110	Tier III			Arrived on site February 15 2011 Still on site
89	Forklift, JLG Ind., Year 2008, owned by Sunstate	Bechtel Rented 91648	150	Tier III			Arrived on site February 15 2011 Still on site
90	Forklift, JLG Ind., Year 2008, owned by H&E Equipment Services	Bechtel Rented R44	150	Tier III			Arrived on site February 15 2011 Still on site
91	Crane, Grove 700E , Year 2007, owned by Delco	Bechtel Rented R46	275	Tier III			Arrived on site February 16, 2011 Still on site
92	Air Compressor, Airman, Year 2008, owned by Sunstate Rental	Bechtel Rented 87307 (R34)	65	Tier III			Arrived on site February 16, 2011 Still on site
93	Forklift, JLG Ind., Year 2008, owned by Sunstate Rental	Bechtel Rented 87146 (R51)	110	Tier III			Arrived on site February 16, 2011 Still on site

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Attachment B

Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
94	Forklift, JLG Ind., Year 2008, owned by United Rentals	Bechtel Rented 1056597 (R50)	110	Tier III			Arrived on site February 16, 2011 Removed from site July 11, 2011
95	Forklift, JLG Ind., Year 2008, owned by United Rentals	Bechtel Rented 1050456 (R48)	110	Tier III			Arrived on site February 16, 2011 Still on site
96	Tractor/Loader, New Holland LV80, Year 2006, owned by LVP	LVP 285085 Formerly APCO 286536	75	Tier II	LVP rented the only tractor/loader available from APCO (see letter dated March 1, 2011.) Their other supplier does not have any available. A letter from them is forthcoming.		Arrived on site February 22 2011 Removed from Site October 2011 Returned to site November 15, 2011 Still on site
97	Motor Grader, Caterpillar 140M, Year 2008, owned by Addison	Crown Fence Rented	183	Tier III			Arrived on site March 2, 2011 Left site March 17, 2011
98	Dozer, John Deere 650J, Year 2005, owned by Neff Rental	Crown Fence Rented	99	Tier II	Crown contacted Cashman in an attempt to rent the Tier III Dozer that they previously had on site. The Tier III was no longer available, and all Cashman could supply was a Tier II. Neff Rental was also contacted, and they were also able to supply a Tier II but not a Tier III. (See letters attached)		Arrived on site March 2, 2011 Removed from site April 4, 2011 Returned to Site May 16, 2011 Removed from site January 13, 2012
99	Excavator, Caterpillar 223DL, Year 2009, owned by BEO	Bechtel 11-100077	480	Tier III			Arrived on site March 2, 2011 Removed from site May 07, 2012
100	Grader, Caterpillar 140M, Year 2008, owned by BEO	Bechtel 11-100076	223	Tier III			Arrived on site March 3, 2011 Still on site

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Attachment B

Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
101	Excavator, Caterpillar 330D, Year 2008, owned by Cashman	Bechtel Rented 07-2052	480	Tier III			Arrived on site March 3, 2011 Removed from site in August
102	Compactor, Caterpillar CS54, Year 2008, owned by BEO	Bechtel 100075	129	Tier III			Arrived on site March 3, 2011 Still on site
103	Dozer, Cat D6N, Year 2005, owned by BEO	Bechtel 6071	145	Tier II	Attempts were made to rent a Tier III dozer. None were available, so a Tier II was provided by BEO fleet. (See letters)		Arrived on site March 7, 2011 Still on site
104	Forklift, JLG 10054, Year 2011, owned by Hertz	Bechtel Rented 412-10-0035 (R62)	110	Tier III			Arrived on site March 9, 2011 Still on site
105	Excavator, Caterpillar 311C, Year 2006, owned by Cashman	Elemental Rented 417960	79	Tier II	The Tier III excavator had to be removed from site for repairs. Another Tier III was not available, so a Tier II was rented. (See letters attached) A new letter from Cashman was supplied to verify this is still all that is available.		Arrived on site March10, 2011 Left Site March 14, 2011 Returned to site June 6, 2011 Left site June 20, 2011
106	Man lift, Genie Z135, Year 2010, owned by Hertz	Bechtel Rented R64	74	Tier III			Arrived on site March 10, 2011 Still on site
107	Generator, Multiquip DCA220SSJ, Year 2008, owned by United	Bechtel Rented 1104158	286	Tier III			Arrived on site March14, 2011 Still on site

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Attachment B

Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
108	Loader, Case 721D, Year 2005, owned by Ahern	Elemental Rented 46116	176	Tier II	Elemental rented a 2008 Tier III loader from Ahem. However, when the equipment was delivered, it was a 2005 Tier II and not the Tier III that Elemental had rented. Upon requesting replacement of the Tier II loader, Ahem stated they did not have any Tier III loaders available (See letter attached). Because of the mix up, a second Tier II letter was not required.		Arrived on site March 17, 2011 Left Site March 24, 2011
109	Wheel Loader, CAT 950H, Year 2010, owned by Cashman	Bechtel Rented R73	157	Tier III			Arrived on site March24, 2011 Still on site
110	Skid steer Mower, John Deere 332D, Year 2011, owned by RDO Equipment	Bechtel Rented R74	68	Tier III			Arrived on site March28, 2011 Still on site
111	Compactor, Caterpillar CS-583E, Year 2006, owned by Cashman	Bechtel Rented 06-441 (R75)	121	Tier II	Bechtel does not currently have any Tier III compactors available in their fleet. A Tier III compactor is not currently available for rent. (See letters attached)		Arrived on site March 30, 2011 Removed from sit November 07, 2011
112	Backhoe, John Deere 310, Year 2011, owned by Sunstate	Elemental Rented 98075	76	Tier III			Arrived on site March 28, 2011 Removed from site November 28, 2011
113	Loader, Kawasaki 85ZV-2, Year 2007, owned by LVP	LVP 295102	240	Tier III			Arrived on site April 4, 2011 Removed from site April 30, 2012
114	Excavator, Caterpillar 320D, Year 2007, owned by Cashman	LVP Rented R490285	138	Tier III			Arrived on site April 7, 2011 Removed from site November 01, 2011 Returned to site February 15, 2012 Removed from site April 5, 2012

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Attachment B

Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
115	Loader, Case 721F, Year 2011, owned by United Rental	Elemental Rented 1201086	145	Tier IV Interim			Arrived on site April 19, 2011 Removed on site June 2, 2011
116	Dump Truck, john Deere 400D, Year 2006, owned by RDO	Bechtel Rented 123495 (R94)	400	Tier III			Arrived on site April 11, 2011 Removed from site November 15, 2011
117	Dump Truck, john Deere 400D, Year 2007, owned by RDO	Bechtel Rented 088506	400	Tier III			Arrived on site April 12, 2011 Removed from site November 17, 2011
118	Water Truck, Peterbilt 335, Year 2007, owned by BEO	Bechtel 100087	330	Tier III			Arrived on site April 20, 2011 Still on site
119	Dump Truck, Caterpillar 735, Year 2007, owned by Cashman	Bechtel Rented 07-1972	400	Tier III			Arrived on site April 20, 2011 Still on site
120	Dump Truck, Caterpillar 735, Year 2006, owned by Cashman	Bechtel Rented 06-2033	400	Tier III			Arrived on site April 26, 2011 Still on site
121	Dump Truck, Caterpillar 735, Year 2007, owned by Cashman	Bechtel Rented 07-1326	313	Tier III			Arrived on site April 26, 2011 Still on site
122	Excavator, Caterpillar 345BL, Year 2001, owned by Cashman	Bechtel Rented 07-7496 (R111)	435	Tier III	A Tier III excavator was not available for rent. See letter attached from United Rental and Cashman.		Arrived on site April 27, 2011 Still on site
123	Lift, JLG 860SJ, Year 2007, owned by United Rentals	Bechtel Rented 1002834	65	Tier II	A Tier III Lift was rented. When this on arrived, it was determined to be a Tier II, so, it was sent back to the supplier.		Arrived on site April 29, 2011 Removed from site April 29, 2011

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Attachment B

Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
124	Forklift, Yale GDP120VX, Year 2010, owned by H&E Equipment	Bechtel Rented YA0880017	78	Tier III			Arrived on site May 16, 2011 Removed from site May 19, 2011
125	Forklift, Taylor TS9972, Year 2010, BEO owned	Bechtel	335	Tier IV			Arrived on site May 16, 2011 Still on site
126	Excavator, Caterpillar 336EL, Year 2010, owned by Cashman	Bechtel Rented CE0015333 (R127)	385	Tier III			Arrived on site May 16, 2011 Still on site
127	Compactor, Hamm HD+140, Year 2010, owned by LVP	LVP 725301	134	Tier III			Arrived on site May 18, 2011 Removed from site May 24, 2011
128	Compactor, Dynapac CP271, Year 2004, owned by LVP	LVP 715271	100	Tier II	This machine was brought onsite specifically for the paving activities. A Tier III machine was not available. No Tier II letters were required since the equipment was only being used for a few days.		Arrived on site May 18, 2011 Removed from site May 25, 2011
129	Skid Steer Loader, Caterpillar 259B3, Year 2011, owned by Cashman	Bechtel Rented CE001458 (R122)	55	Tier IV Interim			Arrived on site May 26, 2011 Still on site
130	Excavator, Caterpillar 336EL, Year 2010, owned by Cashman	Bechtel Rented R115	225	Tier IV Interim			Arrived on site May 3, 2011 Still on site
131	Lift, JLG 860SJ, Year 2009, owned by United Rentals	Bechtel Rented 1105724	62	Tier IV Interim			Arrived on site May13, 2011 but was not checked in until June Removed from site November 01, 2011

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Attachment B

Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
132	Generator, Multiquip DCA150SSJU3, Year 2008, owned by United Rentals	Bechtel Rented 1103183	250	Tier III			Arrived on site June 1, 2011 Still on site
133	Forklift, Taylor TX360L, Year 2007, owned by H&E Equipment	Bechtel Rented TA070040 (R157)	160	Tier III			Arrived on site June 1, 2011 Still on site
134	Generator, Multiquip DCA150SSJU3, Year 2008, owned by United Rentals	Bechtel Rented 119412	177	Tier III			Arrived on site June 6, 2011 Still on site
135	Air Compressor, Sullair 375HAFDPQCAT, Year 2008, owned by Cashman	Bechtel Rented 08-606 (R140)	130	Tier II	A Tier III compressor was not available for rent. Please see the letters from United Rental and Cashman attached.		Arrived on site June 6, 2011 Removed from site July 28, 2011
136	Manlift, Genie S-125, Year 2008, owned by United Rental	Bechtel Rented 1068721 (R144)	74	Tier IV Interim			Arrived on site June 14, 2011 Still on site
137	Manlift, JLG 1350 SLG, Year 2010, owned by United Rental	Bechtel Rented 1189795 (R145)	75	Tier IV Interim			Arrived on site June 14, 2011 Still on site
138	Reach Forklift, Skytrack 10054L, Year 2008, owned by Sunstate	Elemental Rented 87451	110	Tier III			Arrived on site June 14, 2011 Removed from Site December 06, 2011
139	Dozer, Caterpillar D5K, Year 2008, owned by LVP	LVP R350300	125	Tier III			This is the same as R340282

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Attachment B

Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
140	Excavator, Caterpillar 336EL, Year 2011, owned by Cashman	Bechtel Rented (C04)	225	Tier III			Arrived on site June 15, 2011 Still on site
141	Excavator, Caterpillar 336EL, Year 2011, owned by Cashman	Bechtel Rented (C05)	225	Tier III			Arrived on site June 15, 2011 Still on site
142	Forklift, Hyundai 160D, Year 2011, owned by H$E Equipment	Bechtel Rented 10086000 (R164)	160	Tier IV Interim			Arrived on site June 21, 2011 Still on site
143	Excavator, Kobelco SK210LC, Year 2011, owned by United Rentals	Elemental Rented 1216897	158	Tier IV			Arrived on site June 22, 2011 Removed from site July 13, 2011
144	Loader, John Deere 544J, Year 2007, owned by United Rentals	Elemental Rented 981014	70	Tier III			Arrived on site June 22, 2011 Removed from site July 13, 2011
145	Water truck, Freightliner M2 106, Year 2011, owned by United Rental	Elemental Rented 1195615	115	Tier IV			Arrived on site June 23, 2011 Removed from site July 13, 2011
146	Dozer, John Deere 550J, Year 2007. owned by United Rental	Elemental Rented 982671	80	Tier II	A Tier III dozer was not available. See the letters from United Rental and the e-mail from Sunstate.		Arrived on site June 23, 2011 Removed from site July 11, 2011
147	Crane, Manitowoc 14000, Year 2008, owned by BEO	Bechtel 25108	345	Tier III			Arrived on site June 15, 2011 Still on site
148	Crane, Grove RT880E, Year 2008, owned by Walter Payton	Bechtel Rented R167	275	Tier III			Arrived on site June 30, 2011 Still on site

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Attachment B

Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
149	Crane, Grove RT600E, Year 2008, owned by Walter Payton	Bechtel Rented R168	170	Tier III			Arrived on site June 30, 2011 Still on site
150	Crane, Grove RT880E, Year 2010, owned by Walter Payton	Bechtel Rented R170	274	Tier IV interim			Arrived on site June 30, 2011 Still on site
151	Crane, Grove RT540E, Year 2008, owned by Walter Payton	Bechtel Rented R182	160	Tier III			Arrived on site June 30, 2011 Still on site
152	Excavator, Komatsu PC78MR, Year 2003, owned by H&E Equipment	Bechtel Rented KS070157 (R173)	57	Tier III			Arrived on site July 5, 2011 Still on site
153	Excavator, Caterpillar 336E, Year 2010, owned by Cashman	Bechtel Rented CE001531 (C01)	174	Tier IV			Arrived on site July 5, 2011 Still on site
154	Loader, John Deere 624K, Year 2010, owned by Hertz	Bechtel Rented 261-35-0011 (R172)	198	Tier III			Arrived on site July 5, 2011 Still on site
155	Crane, Manitowoc 888, Year 2011, owned by BEO	Bechtel 4263	360	Tier III			Arrived on site July 5, 2011 Still on site
156	Excavator, Caterpillar 336EL, Year 2011, owned by Cashman	Bechtel Rented CE001286 (C07)	174	Tier IV			Arrived on site July 6, 2011 Still on site

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Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
157	Excavator, Caterpillar 336EL, Year 2011, owned by Cashman	Bechtel Rented CE001532 (C02)	174	Tier IV			Arrived on site July 6, 2011 Still on site
158	Excavator, Caterpillar 336EL, Year 2011, owned by Cashman	Bechtel Rented C06	174	Tier IV			Arrived on site July 6, 2011 Still on site
159	Generator, Magnum MMG80, Year 2006, owned by United Rentals	Bechtel Rented 824354 (R171)	113	Tier III			Arrived on site July 6, 2011 Still on site
160	Generator, Multiquip, Year 2008, owned by United Rentals	Bechtel Rented 1112344 (R178)	274	Tier III			Arrived on site July 11, 2011 Removed from site March 21, 2012
161	Generator, Multiquip, Year 2008, owned by United Rentals	Bechtel Rented 1112590 (R179)	174	Tier III			Arrived on site July 12, 2011 Removed from site May 10, 2012
162	Forklift, Extreme XRM1045, Year 2010, owned by Ahern	All State Tank Rented 81170	111	Tier III			Arrived on site July 12, 2011 Removed from site August, 5 2011 Returned to Site December, 2011 Still on Site
163	Forklift, Genie GTH844, Year 2011, owned by BEO	Bechtel 100220	99	Tier III			Arrived on site July 12, 2011 Still on site

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Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
164	Loader, Caterpillar 259B, Year 2011, Cashman owned	Bechtel Rented CE002017 (R177)	71	Tier III			Arrived on site July 12, 2011 Still on site
165	Forklift, Caterpillar TL1055, Year 2007. owned by Cashman	Bechtel Rented 06-2190 (R184)	144	Tier III			Arrived on site July 18, 2011 Still on site
166	Excavator, Caterpillar 336EL, Year 2011, owned by Client	Bechtel Rented 11-C08	225	Tier IV			Arrived on site July 18, 2011 Still on site
167	Excavator, Caterpillar 336EL, Year 2011, owned by Client	Bechtel Rented 11-C09	225	Tier IV			Arrived on site July 18, 2011 Still on site
168	Loader, Caterpillar 259B, Year 2011, owned by Cashman	Bechtel Rented CE001733 (R187)	74	Tier III			Arrived on site July 20, 2011 Still on site
169	Excavator, Caterpillar 336EL, Year 2011, owned by Cashman	Bechtel Rented CE001289 (C10)	225	Tier IV			Arrived on site July 26, 2011 Still on site
170	Excavator, Caterpillar 336EL, Year 2011, owned by Cashman	Bechtel Rented CE001280 (C11)	225	Tier IV			Arrived on site July 26, 2011 Still on site
171	Skid Steer, Caterpillar 259B, Year 2011, owned by Cashman	Bechtel Rented CE001743 (R193)	74	Tier IV Interim			Arrived on site August 01, 2011 Still on site

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Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
172	Excavator, Caterpillar 336EL, Year 2011, owned by Cashman	Bechtel Rented CE001283 (C14)	225	Tier IV			Arrived on site August 01, 2011 Still on site
173	Excavator, Caterpillar 336EL, Year 2011, owned by Cashman	Bechtel Rented CE001290 (C12)	225	Tier IV			Arrived on site August 03, 2011 Still on site
174	ManLift, Genie Z80-60, Year 2011, owned by United Rentals	Bechtel Rented 1226516 (R196)	74	Tier III			Arrived on site August 03, 2011 Still on site
175	Excavator, Caterpillar 336EL, Year 2011, owned by Cashman	Bechtel Rented CE001277 (C13)	225	Tier IV			Arrived on site August 03, 2011 Still on site
176	Generator, Gentec QAS 325, Year 2005, owned by H&E	Bechtel Rented 6968 (R209)	240	Tier II	Attempts were made to rent a Tier III generator, but none were available. See the two letters attached.		Arrived on site August 15, 2011 Still on site
177	Generator, Gentec DGK 150D, Year 2007, owned by H&E	Bechtel Rented 8010 (R210)	190	Tier III			Arrived on site August 15, 2011 Removed from site April 09, 2012
178	ManLift, Genie Z80-60, Year 2011, owned by United Rentals	Bechtel Rented 1227208 (R195)	74	Tier III			Arrived on site August 15, 2011 Still on site
179	Excavator. Kobelco SK210LC, Year 2011, owned by United Rentals	Elemental Rented 1218622	158	Tier III			Arrived on site August 22, 2011 Left site September 29, 2011

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Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
180	Loader, John Deere 544J, Year 2007, owned by United Rentals	Elemental Rented 981014	70	Tier III			Arrived on site August 22, 2011 Left site September 28, 2011
181	Crane, Manitowoc 14000, Year 2008, owned by BEO	Bechtel 25108	345	Tier III			Arrived on site September 09, 2011 Still on site
182	Skid steer, Caterpillar 259B, Year 2011, owned by Cashman	Bechtel Rented CE001779 (R224)	70	Tier III			Arrived on site September 15, 2011 Still on site
183	Man lift, JLG 1350SJP, Year 2008, owned by H&E Equipment	Bechtel Rented JG070524 (R27)	75	Tier III			Arrived on site September 15, 2011 Still on site
184	Man lift, Genie Z135/70, Year 2010, owned by Hertz	Bechtel Rented 468-94-004 (R223)	74	Tier III			Arrived on site September 15, 2011 Still on site
185	Forklift, Taylor TA/TX360M, owned by H&E Equipment	Bechtel Rented R226	160	Tier III			Arrived on site September 19, 2011 Removed from site May 31, 2012
186	Excavator, Caterpillar 328D, Year 2006, owned by RDO	Bechtel Rented 549 (R227)	300	Tier III			Arrived on site September 21, 2011 Removed from site February 01, 2012
187	Crane, Linkbelt 80130 II RTC, Year 2009, owned by Mardain Equipment	Bechtel Rented 6279 (R212)	242	Tier III			Arrived on site September 22, 2011 Still on site

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Attachment B

Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
188	Forklift, JLG 10042, Year 2005, owned by H&E Equipment	Bechtel Rented SK050005 (R229)	110	Tier III			Arrived on site September 28, 2011 Still on site
189	Forklift, JLG 8042, Year 2005, owned by H&E Equipment	Bechtel Rented R230	110	Tier III			Arrived on site September 28, 2011 Still on site
190	Forklift, JLG 10054, Year 2003, owned by H&E Equipment	Bechtel Rented SK030048 (R228)	110	Tier III			Arrived on site September 28, 2011 Still on site
191	Loader, Kawasaki 95ZV-2, Year 2007, owned by APCO	LVP Rented R305089	390	Tier III			Arrived on site September 29, 2011 Removed from site May 03, 2012
192	Crane, Manitowoc 14000, Year 2007, owned by BEO	Bechtel 14-19715	345	Tier III			Arrived on site September 28, 2011 Still on site
193	Backhoe, Caterpillar 420E, Year 2010, owned by LVP	Fullmer Rented 486164	99.9	Tier III			Arrived on site September 13, 2011 Removed from site October 17, 2011
194	Loader, John Deere 644K, Year 2009, owned by RDO	Bechtel Rented X175686 (R233)	174	Tier III			Arrived on site October 03, 2011 Removed from site March 19, 2012
195	Excavator, John Deere 200DLC, Year 2009, owned by RDO	Bechtel Rented X255409	173	Tier III			Arrived on site October 03, 2011 Removed from site November 14, 2011

Equipment has been removed from the ISEGS site.

Equipment introduced and removed during the current reporting period.

Equipment introduced to the site during the current reporting period.

Attachment B

Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
196	Excavator, John Deere FF225DX, Year 2010, owned by RDO	Bechtel Rented X280668 (R234)	130	Tier III			Arrived on site October 03, 2011 Removed from site March 19, 2012
197	Generator, MQ Power DCA-400SCI, Year 2008, owned by Red-D-Arc	Bechtel Rented NE3816980	464	Tier III			Arrived on site October 04, 2011 Removed from site November 30, 2011
198	Air Compressor, Atlas Copco XAS 750 CD6, Year 2007, owned by H&E Equipment	Bechtel Rented AC090034 (R240)	275	Tier III			Arrived on site October 05, 2011 Removed from site April 25, 2012
199	Crane, Grove RT700E, Year 2007, owned by Dielco Crane	Fullmer 00646	240	Tier III			Arrived on site October 05, 2011 Removed from site December 13, 2011 Returned to site February 6, 2012 Removed from site February 13, 2012
200	Man lift, Genie Z-135, Year 2008, owned by United Rental	Bechtel Rented 1070163 (R254)	74	Tier III			Arrived on site October 17, 2011 Still on site
201	Man lift, Genie Z-135, Year 2010, owned by United Rental	Bechtel Rented 1163333 (R258)	74	Tier III			Arrived on site October 17, 2011 Removed from site February 03, 2012
202	Forklift, Genie GTH-1054, Year 2011, owned by BEO	Bechtel 100682	134	Tier III			Arrived on site October 24, 2011 Still on site

Equipment has been removed from the ISEGS site.

Equipment introduced and removed during the current reporting period.

Equipment introduced to the site during the current reporting period.

Attachment B

Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
203	Forklift, Genie GTH-1054, Year 2011, owned by BEO	Bechtel 100683	134	Tier III			Arrived on site October 24, 2011 Still on site
204	Forklift, Genie GTH-1054, Year 2011, owned by BEO	Bechtel 100684	134	Tier III			Arrived on site October 24, 2011 Still on site
205	Generator, Ingersoll Rand G185, Year 2010, owned by HE Equipment	Bechtel Rented 53-R260	273	Tier III			Arrived on site October 25, 2011 Still on site
206	Crane, Terex RT665, Year 2007, owned by INQUIPCP	Bechtel Rented RT065-008 (R262)	215	Tier III			Arrived on site October 25, 2011 Removed from site April 03, 2012
207	Loader, Case 570MXT, Year 2011, owned by United Rentals	Fullmer Rented 10005621	81	Tier III			Arrived on site October 27, 2011 Removed from sit November 03, 2011
208	Excavator, Hitachi ZX225USLC-8, Year 2011, owned by RDO	Bechtel Rented X311337	168	Tier III			Arrived on site October 31, 2011 Removed from site November 03, 2011
209	Generator, Multiquip DF-440SSV, Year 2004, owned by H&E Equipment	Bechtel Rented 8656	250	Tier II	A Tier III generator was not available for rental. See documentation from Hertz and United Rentals.		Arrived on site November 01, 2011 Still on site
210	Generator, Multiquip DCA 300SKA	Bechtel Rented 0597	285	Tier III			Arrived on site November 01, 2011 Still on site
211	Mower, Fecon C100, Year 2012, owned by Bechtel	Bechtel 11-P243	82	Tier III			Arrived on site November 01, 2011 Still on site

Equipment has been removed from the ISEGS site.

Equipment introduced and removed during the current reporting period.

Equipment introduced to the site during the current reporting period.

Attachment B

Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
212	Air compressor, Sullair 375, Year 2005, owned by Cashman	Bechtel Rented 08-606 (R268)	115	Tier III			Arrived on site November 02, 2011 Still on site
213	Generator, International IR-G185, Year 2010, owned by H&E Equipment	Bechtel Rented 4366 (R274)	265	Tier III			Arrived on site November 07, 2011 Still on site
214	Air compressor, Ingersoll Rand HP915, Year 2011, owned by Hertz	Bechtel Rented 006-90-0010 (R279)	290	Tier III			Arrived on site November 14, 2011 Still on site
215	Forklift, Hyundai 110D-7E, Year 2011, owned by H&E Equipment	Bechtel Rented 10092083 (R284)	185	Tier III			Arrived on site November 21, 2011 Still on site
216	Air Compressor, Sullair 185JD, Year 2006, owned by Bechtel	Bechtel 17-P264	75	Tier II	A Tier II air compressor/welder was not available. A letter from United Rentals and H&E Equipment has been included.		Arrived on site November 23, 2011 Still on site
217	Air Compressor, Sullair 185JD, Year 2008, owned by Bechtel	Bechtel 17-P267	75	Tier II	A Tier II air compressor/welder was not available. A letter from United Rentals and H&E Equipment has been included.		Arrived on site November 30, 2011 Still on site
218	Dozer, Caterpillar D5K, Year 2008, owned by Cashman	LVP Rented R340282	125	Tier III			Arrived on Site in October 2011 Removed from site April 5, 2012
219	Backhoe, Caterpillar 420E, Year 2010, owned by LVP	LVP R486110	99.9	Tier III			Is now equipment number 486164. Was purchased by LVP and assigned a new equipment number.

Equipment has been removed from the ISEGS site.

Equipment introduced and removed during the current reporting period.

Equipment introduced to the site during the current reporting period.

Attachment B

Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
220	Crane, Grove RT540E, Year 2011, owned by Walter Payton	Bechtel Rented 14-R285 (R285)	150	Tier III			Arrived on site November 21, 2011 Still on site
221	Generator, Isuzu DCA44001, Year 2008, owned by RSC equipment	Bechtel Rented NE3816984	380	Tier III			Arrived on site December 01, 2011 Still on site
222	Crane, Grove RT540E, Year 2011, owned by Walter Payton	Bechtel Rented 14-R271	150	Tier III			Arrived on site December 01, 2011 Still on site
223	Crane, Grove RT880E, Year 2011, owned by Walter Payton	Bechtel Rented 14-R278	250	Tier III			Arrived on site December 01, 2011 Still on site
224	Crane, Grove RT550E, Year 2011, owned by Walter Payton	Bechtel Rented 14-R275	150	Tier III			Arrived on site December 01, 2011 Still on site
225	Forklift, Hyundai 110D-7E, Year 2011, owned by H&E Equipment	Bechtel Rented 10092082 (R286)	78	Tier IV			Arrived on site December 01, 2011 Still on site
226	Crane, Grove RT540E, Year 2008, owned by Walter Payton	Bechtel Rented 14-R272	160	Tier IV Interim			Arrived on site December 07, 2011 Still on site
227	Crane, Grove RT540E, Year 2011, owned by Walter Payton	Bechtel Rented 14-R273	160	Tier IV Interim			Arrived on site December 07, 2011 Still on site
228	Crane, Grove RT540E, Year 2011, owned by Walter Payton	Bechtel Rented 14-R270	160	Tier IV Interim			Arrived on site December 07, 2011 Still on site

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Equipment introduced and removed during the current reporting period.

Equipment introduced to the site during the current reporting period.

Attachment B

Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
229	Generator, Atlas Copco, Year 2005, owned by H&E Equipment	Bechtel Rented 6972	235	Tier II	A Tier III generator was not available for rent. See the letters provided by H&E Equipment and United Rentals.		Arrived on site December 08, 2011 Still on site
230	Man lift, Genie Z-135, Year 2007, owned by Hertz	Bechtel Rented 468-94-8007 (R305)	78	Tier II	No Tier II lifts were available for rent. See the two letters attached from H&E Equipment and United Rentals.		Arrived on site December 12, 2011 Still on site
231	Air Compressor, Ingersoll Rand, Year 2007, owned by Hertz	Bechtel Rented R306	80	Tier III			Arrived on site December 12, 2011 Still on site
232	Man lift, Genie Z135, Year 2007, owned by Hertz	Bechtel Rented 468-94-8005 (R305)	78	Tier II	No Tier II lifts were available for rent. See the two letters attached from H&E Equipment and United Rentals.		Arrived on site December 14, 2011 Still on site
233	Man lift, JLG 1350SJP, Year 2002, owned by United Rentals	Bechtel Rented 502097 (R319)	87	Tier III			Arrived on site December 15, 2011 Still on site
234	Reach lift, Skytrack 8042, Year 2004 owned by H&E Equipment	Fullmer Rented SK050171	110	Tier III			Arrived on site December 19, 2011 Removed from site May 21, 2012
235	Forklift, Hyundai 160D-7E, Year 2011, owned by H&E Equipment	Bechtel Rented 10088772 (R320)	160	Tier IV			Arrived on site December 19, 2011 Removed from site March 29, 2012
236	Forklift, Genie Z135, Year 2011, owned by United Rental	Bechtel Rented 10015521 (R321)	74	Tier IV Interim			Arrived on site December 19, 2011 Still on site

Equipment has been removed from the ISEGS site.

Equipment introduced and removed during the current reporting period.

Equipment introduced to the site during the current reporting period.

Attachment B

Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
237	Forklift, Caterpillar TL1055, Year 2007, owned by Cashman	Bechtel Rented CE002779 (R322)	100	Tier III			Arrived on site December 19, 2011 Removed from site April 30, 2012
238	Man lift, JLG 1350SJP, Year 2008, owned by United Rentals	Bechtel Rented 1067280 (R323)	75	Tier III			Arrived on site December 19, 2011 Removed from site March 15, 2012
239	Forklift, Caterpillar TL1055, Year 2007, owned by Cashman	Bechtel Rented CE002778 (R235)	100	Tier III			Arrived on site December 21, 2011 Still on site
240	Forklift, Caterpillar TL1055, Year 2008, owned by Cashman	Bechtel Rented CE002780 (R326)	100	Tier III			Arrived on site December 21, 2011 Still on site
241	Forklift, Skytrack 10054 Legacy Series, Year 2004, owned by Amazon Masonry	Fullmer Rented SB0636	79	Tier III			Equipment was scheduled for delivery December 28, 2011, but never arrived. Has never been on site.
242	Tower Crane, Favco M1280, Year 2007, owned by Favco	Bechtel Rented T1280-10 (R300)	700	Tier III			Arrived on site January 17, 2012 Still on site
243	Man lift, Genie Z135, Year 2012, owned by United Rental	Bechtel Rented 10020688 (R347)	74	Tier III			Arrived on site January 17, 2012 Still on site
244	Backhoe, Caterpillar 420E, Year 2007, owned by Cashman	Bechtel Rented 08-569 (R350)	78	Tier III			Arrived on site January 18, 2012 Removed from site March 26, 2012

Equipment has been removed from the ISEGS site.

Equipment introduced and removed during the current reporting period.

Equipment introduced to the site during the current reporting period.

Attachment B

Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
245	Forklift, Hyundai 160D-7E, Year 2011, owned by H&E Equipment	Bechtel Rented 10096789 (R352)	83	Tier III			Arrived on site January 19, 2012 Still on site
246	Generator, MG Power DCA-70SSI, Year 2006. owned by United Rentals	Bechtel Rented NA-3774758 (R348)	87	Tier III			Arrived on site January 19, 2012 Removed from site May 21, 2012
247	Generator, MQ Power DCA-400SSV, Year 2006, owned by United Rentals	Bechtel Rented 979773 (R356)	468	Tier III			Arrived on site January 23, 2012 Still on site
248	Generator, MQ Power DCA-400SSV, Year 2006, owned by United Rentals	Bechtel Rented 1004184 (R357)	468	Tier III			Arrived on site January 23, 2012 Still on site
249	Crane, Grove RT600D, Year 2005, owned by Dielco	Bechtel Rented 638 (R359)	173	Tier II	No Tier III cranes were available to rent. See the letters from United Rentals and H&E Equipment attached.		Arrived on site January 26, 2012 Removed from site March 28, 2012
250	Generator, Multi Quip DCA-70, Year 2010, owned by United Rentals	Bechtel Rented 1182309 (R362)	98	Tier III			Arrived on site January 31, 2012 Still on site
251	Loader backhoe, Caterpillar 420E, Year 2012. owned by Cashman	Bechtel Rented CE001998 (R365)	85	Tier III			Arrived on site February 09, 2012 Still on site
252	Excavator, Caterpillar 308CCR, Year 2002, owned by Cashman	Bechtel Rented 04-423 (R372)	75	Tier III			Arrived on site February 13, 2012 Still on site

Equipment has been removed from the ISEGS site.

Equipment introduced and removed during the current reporting period.

Equipment introduced to the site during the current reporting period.

Attachment B

Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
253	Skid Steer Loader, John Deere CT322, Year 2007, owned by Blaine	LVP Rented R285295	66	Tier II	A Tier III loader was not available. See the letters from APCO and Cashman.		Arrived on site February 17, 2012 Still on site
254	Backhoe, Caterpillar 420E, Year 2012, owned by LVP	LVP R486171	100	Tier III			Arrived on site February 17, 2012 Still on site
255	Generator, Multiquip DCA300, Year 2006, owned by RSC	Bechtel Rented (R384)	420	Tier III			Arrived on site March 01, 2012 Still on site
256	Air compressor, Sullair 425CA3, Year 2001, owned by Cashman	Bechtel Rented CE002561 (R388)	155	Tier III			Arrived on site March 01, 2012 Still on site
257	Forklift, Caterpillar TL1055, Year 2007, owned by Cashman	Bechtel Rented 06-2185 (R389)	157	Tier III			Arrived on site March 07, 2012 Still on site
258	Forklift, Hyundai 160D-7E, Year 2011, owned by H&E	Bechtel Rented R392	160	Tier III			Arrived on site March 09, 2012 Removed from site May 08, 2012
259	Telehandler, Genie GTH-1048, Year 2007, owned by United Rentals	Elemental Rented 962422	65	Tier III			Arrived on site March 13, 2012 Still on site
260	Backhoe, Case 580N, Year 2011, owned by United Rentals	Elemental Rented 1213870	84	Tier III			Arrived on site March 13, 2012 Still on site

Equipment has been removed from the ISEGS site.

Equipment introduced and removed during the current reporting period.

Equipment introduced to the site during the current reporting period.

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Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
261	Air compressor, Sullair 375HAF, Year 2011, owned by Cashman	Bechtel Rented 12-021 (R394)	155	Tier III			Arrived on site March 14, 2012 Still on site
262	Generator, Magnum MMG55, Year 2006, owned by United Rentals	Bechtel Rented 138-840622 (R397)	80	Tier III			Arrived on site March 19, 2012 Still on site
263	Man lift, JLG 1350 SJP, Year 2009, owned by Hertz	Bechtel Rented 481-95-9002 (R395)	75	Tier III			Arrived on site March 19, 2012 Still on site
264	Man lift, JLG 1350 SJP, Year 2009, owned by Hertz	Bechtel Rented 481-95-0016 (R396)	75	Tier III			Arrived on site March 19, 2012 Still on site
265	Backhoe Loader, Caterpillar 420E, Year 2011, owned by Cashman	Bechtel Rented 08-164 (R398)	91	Tier III			Arrived on site March 22, 2012 Still on site
266	Generator, MultiQuip CDZ-220SSJU, Year 2007, owned by United Rentals	Bechtel Rented 1012435 (R399)	315	Tier III			Arrived on site March 26, 2012 Still on site
267	Crane, Terex RT775, Year 2005, owned by BEO	Bechtel 5235	275	Tier II	A Tier III crane was not available for rent. See the letters submitted form H&E Equipment and United Rentals		Arrived on site March 28, 2012 Still on site
268	Manlift, Skyjack SJ66T, Year 2012, owned by United Rentals	Bechtel Rented 5000065369 (R393)	65	Tier III			Arrived on site March 12, 2012 Still on site

Equipment has been removed from the ISEGS site.

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Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
269	Generator, Kiewett Power DGK100B, Year 2005, owned by H&E Equipment	Bechtel Rented T6090 (R403)	167	Tier III			Arrived on site April 02, 2012 Still on site
270	Welder, MQ Power DCA220SSVU, Year 2007, owned by Red-D-Arc	Bechtel Rented VC-782852 (R401A)	316	Tier III			Arrived on site April 04, 2012 Removed from site April 09, 2012
271	Crane, Terex RT775, Year 2006, owned by BEO	Bechtel 13214	275	Tier II			Arrived on site April 10, 2012 Still on site
272	Forklift, JLG 10054, Year 2004, owned by H&E Equipment	Bechtel Rented SK040140 (R407)	110	Tier III			Arrived on site April 11, 2012 Still on site
273	Generator. MQ Power DCA600SSV, Year 2006, owned by United Rentals	Bechtel Rented R408	809	Tier II	A Tier II generator was not available for rent. Please see the documentation from H&E Equipment and Hertz.		Arrived on site April 18, 2012 Still on site
274	Excavator, Caterpillar 308DCR, Year 2012, owned by Cashman	LVP Rented R482347	55	Tier IV Interm			Arrived on site April 19, 2012 Still on site
275	Air Compressor, Ingersoll Rand, Year 2012, owned by Hertz	Bechtel Rented 006-90-0007 (R415)	300	Tier IV			Arrived on site April 23, 2012 Still on site
276	Generator, MQ Power DCA-125USI, Year 2010, owned by United Rentals	Bechtel Rented 1180465 (R413)	173	Tier III			Arrived on site April 23, 2012 Still on site

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Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
277	Generator, Wacker-Neuson G180, Year 2010, owned by Hertz	Bechtel Rented 549-94-0025 (R416)	85	Tier III			Arrived on site April 23, 2012 Still on site
278	Forklift, Caterpillar TL1055, Year 2012, owned by Cashman	Bechtel Rented CE002716 (R422)	126	Tier III			Arrived on site May 01, 2012 Still on site
279	Tractor, John Deere 6115D, Year 2011, owned by RDO	Bechtel Rented R426	135	Tier III			Arrived on site May 03, 2012 Still on site
280	Tractor, John Deere 6115D, Year 2011, owned by RDO	Bechtel Rented R427	135	Tier III			Arrived on site May 03, 2012 Still on site
281	Tractor, John Deere 6115D, Year 2011, owned by RDO	Bechtel Rented R428	135	Tier III			Arrived on site May 03, 2012 Still on site
282	Tractor, John Deere 6115D, Year 2011, owned by RDO	Bechtel Rented R429	135	Tier III			Arrived on site May 03, 2012 Still on site
283	Tractor, John Deere 6115D, Year 2011, owned by RDO	Bechtel Rented R430	135	Tier III			Arrived on site May 03, 2012 Still on site
284	Tractor, John Deere 6115D, Year 2011, owned by RDO	Bechtel Rented R430	135	Tier III			Arrived on site May 03, 2012 Still on site
285	Loader, Kawasaki 65Z, Year 2006, owned by LVP	LVP 294998					Arrived on site May 03, 2012 Still on site

Equipment has been removed from the ISEGS site.

Equipment introduced and removed during the current reporting period.

Equipment introduced to the site during the current reporting period.

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Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
286	Vacuum Truck, International 7600, Year 2011, owner by Haaker Equipment Co.	Bechtel Rented R421	450	Tier III			Arrived on site May 09, 2012 Still on site
287	Generator, MQ Power, DCA-125SSJ, Year 2010, owned by United Rentals	Bechtel Rented R432	191	Tier III			Arrived on site May 09, 2012 Still on site
288	Generator, MQ Power DCA-150SSJ, Year 2008, owned by United Rentals	Bechtel Rented 1103180 (R437)	150	Tier III			Arrived on site May 15, 2012 Still on site
289	Forklift, Caterpillar TL1055, Year 2112, owned by Cahsman	Bechtel Rented CE002717 (R436)	126	Tier III			Arrived on site May 15, 2012 Still on site
290	Air Compressor, Ingersoll Rand XP375WJD-T3, Year 2011, owned by Hertz Rentals	Bechtel Rented 006-37-1023 (R440)	130	Tier III			Arrived on site May 17, 2012 Still on site
291	Air Compressor, Ingersoll Rand P185WJD, Year 2008, owned by Hertz Rentals	Bechtel Rented 006-18-8006 (R441)	72	Tier III			Arrived on site May 17, 2012 Still on site
292	Air Compressor, Ingersoll Rand P185WJD, Year 2008, owned by Hertz Rentals	Bechtel Rented 006-18-8006 (R442)	72	Tier III			Arrived on site May 17, 2012 Still on site

Equipment has been removed from the ISEGS site.

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Equipment introduced to the site during the current reporting period.

Attachment B

Ivanpah SEGS Heavy Equipment Log

No.	Heavy Equipment Description (only applicable to off-road diesel engines ≥ 50 bhp)	Contractor	Capacity (bhp)	Emission Tier (II, III, retrofit)	Rationale for Greater Than Tier III Emissions	Rationale for Inability to Retrofit Control Device	Removed From Site
293	Generator, WhisperWhatt DCA-150USJ2, Year 2010, owned by United Rentals	Bechtel Rented 10026194 (445)	237	Tier III			Arrived on site May 21, 2012 Still on site
294	Generator, Atlas Copco QAS325, Year 2005, owned by H&E Equipment	Bechtel Rented 6970 (R446)	433	Tier II	A tier III generator was not available. (See letters attached from Hertz and United Rentals)		Arrived on site May 22, 2012 Still on site
295	Crane, Terex RT775, Year 2004, owned by BEO	Bechtel 4896	275	Tier II	A tier III crane was not available for rent. See the attached letter from H&E Equipment and United Rentals		Arrived on site May 23, 2012 Still on site
296	Manlift, Genie Z135, Year 2010, owned by United Rentals	Bechtel Rented 1163333 (R450)	74	Tier III			Arrived on site May 24, 2012 Still on site
297	Forklift, Caterpillar TL1055C, Year 2012, owned by Cashman	Bechtel Rented CE002985 (R439)	101	Tier III			Arrived on site May 30, 2012 Still on site

Equipment has been removed from the ISEGS site.

Equipment introduced and removed during the current reporting period.

Equipment introduced to the site during the current reporting period.

May 14th, 2012

Bechtel Power Corporation
100302 Yates Well Road
Nipton, CA 92364

Attention: Terry Copeland, Bechtel Site Manager
Matt Carney, Site ES&H Manager

Subject: Ivanpah Solar Electric Generating Facility
Bechtel Job # 25542
Subcontract #25542-230-HC1-CY10-00004
Diesel Fueled Engine Control (COC AQ-SC5)
Letter # 25542

Dear Messrs Copeland and Carney.

The purpose of this letter is to satisfy compliance requirements governed by the Diesel Fueled Engine Control Condition of Certification AQ-SC5, as defined in the California Energy Commission Final Decision dated September 22, 2010.

Condition of Certification AQ-SC5 requires that a letter from the equipment owner be included in the Monthly Compliance Report (MCR) stipulating that diesel powered, off-road construction equipment with an engine capacity greater than 50 hp has been properly maintained (e.g., tuned to engine manufacturer's specification).

We, Bechtel Equipment Operations, hereby declare that the equipment added below and previously listed in the enclosed Attachment B Heavy Equipment Log has been properly maintained.

This letter is hereby intended to satisfy the aforementioned aspect of the AQSC-5 condition. Please submit any comments or questions via email to kmlauer@bechtel.com.

Sincerely,

Mick Lauer
Bechtel Equipment Operations
Equipment Manager
kmlauer@bechtel.com
760-267-8534-cell

Larry Biggers
Bechtel
Ivanpah Solar Project

Larry,
This letter is to inform you that we currently do not have any Tier III **300 kVA generators** available.

Thank you for choosing United Rentals.

Sincerely,
Greg Larson
Territory Manager

H&E EQUIPMENT SERVICES®

2/8/2012

Larry, I am sorry at this time H&E Equipment Las Vegas will no be able to provide a Tier III 75 ton crane for the Ivanpah Jobsite. I appreciate this opportunity and look forward to any future request you might have.

Thank You,

George Winn
H&E Equipment Services
4129 Losee Rd.
North Las Vegas, NV. 89030

4129 Losee Road • North Las Vegas, NV 89030
Office: (702) 320-6500 • Toll Free: (877) 700-7368
Fax: (702) 320-6569
www.HE-equipment.com

United Rentals
4533A Andrews St
North Las Vegas, NV 89081

tel: 702 889 2666
fax: 702 889 1339

unitedrentals.com

Dan Smerz
4533 Andrews Street
N. Las Vegas, NV 89081
March 7, 2012

Larry Biggers
Bechtel
Ivanpah Solar Project

Larry,

This letter is to inform you that we currently do *not* have any Tier III 75 **Ton Cranes** available.

Thank you for choosing United Rentals.

Sincerely,

Dan Smerz
General Manager

CROWN FENCE

5/14/2012

Bechtel Power Corporation
100302 Yates Well Road
Nipton, CA 92364

Attention: Terry Copeland, Bechtel Site Manager
Matt Carney, Site ES&H Manager
Peter Fitzroy, Subcontracts Manager

Subject: Ivanpah Solar Electric Generating Facility
Bechtel Job No. 25542
Subcontract No. 25542-230-HC1-CY10-00004
Diesel Fueled Engine Control (COC AQ-SC5)
Letter Number: 25542

Dear Messrs Copeland, Carney and Fitzroy,

The purpose of this letter is to satisfy compliance requirements governed by the Diesel Fueled Engine Control Condition of Certification AQ-SC5, as defined in the California Energy Commission Final Decision dated September 22, 2010.

Condition of Certification AQ-SC5 requires that a letter from the equipment owner be included in the Monthly Compliance Report (MCR) stipulating that diesel powered, off-road construction equipment with an engine capacity greater than 50 hp has been properly maintained (e.g., tuned to engine manufacturer's specification).

We, Crown Fence Company, hereby declare on behalf of Cashman Equipment, that the equipment listed in the enclosed Attachment B Heavy Equipment Log has been properly maintained.

This letter is hereby intended to satisfy the aforementioned aspect of the AQSC-5 condition. Please submit any comments or questions via email to mwilliams@crownfence.com.

Sincerely,

Mike Williams
Branch Manager, Project manager
Crown Fence Co.
mwilliams@crownfence.com
(951) 479-4790 office
(562) 755-5786 cell

ELEMENTAL
ENERGY, INC • CA 934975 A; C-10
2640 W. Lone Cactus Drive
Phoenix, Arizona 85027

May 21, 2011

Bechtel Power Corporation
100302 Yates Well Road
Nipton, CA 92364

Attention: Terry Copeland
Bechtel Site Manager

Matt Carney
Site ES&H Manager

Joe Gaglianello
Contracts Specialist

Subject: Ivanpah Solar Electric Generating Facility
Bechtel Job No. 25542
Subcontract No. 25542-E000
Diesel Fueled Engine Control (COC AQ-SC5)
Letter Number: 25542-E000-146

Dear Terry Copeland, Matt Carney, and Joe Gaglianello;

The purpose of this letter is to satisfy compliance requirements governed by the Diesel Fueled Engine Control Condition of Certification AQ-SC5, as defined in the California Energy Commission Final Decision dated September 22, 2010.

Condition of Certification AQ-SC5 requires that a letter from the equipment owner be included in the Monthly Compliance Report (MCR) stipulating that diesel powered, off-road construction equipment with an engine capacity greater than 50 hp has been properly maintained (e.g., tuned to engine manufacturer's specification).

We, Elemental Energy, hereby declare on behalf of **United Rentals** that the equipment added and previously listed in the enclosed Attachment B Heavy Equipment Log has been properly maintained.

This letter is hereby intended to satisfy the aforementioned aspect of the AQSC-5 condition. Please submit any comments or questions via E-mail to tmcgehee@klondyke.us

Sincerely,

Tim McGehee
Project Manager
Elemental Energy Inc

FULLMER
Building Relationships Since 1946
INDUSTRIAL AND OFFICE CONSTRUCTION
1725 South Grove Avenue, Ontario, CA 91761-4530 Phone 909-947-9467 Fax 909-947-2970

May 22, 2012

Terry Copeland
Bechtel Site Manager
100302 Yates Well Road
Nipton, CA 92364

Matt Carney
Site ES&H Manager
100302 Yates Well Road
Nipton, CA 92364

Travis Wilson
Subcontracts Manager
100302 Yates Well Road
Nipton, CA 92364

Subject: Ivanpah Solar Electric Generating Facility
Bechtel Job No. 25542
Reference: Diesel Fueled Engine Control (COC AQ-SC5) **May 2012**

Dear Messrs Copeland and Carney and Wilson,

This letter is intended to satisfy compliance requirements governed by the Diesel Fueled Engine Control Condition of Certification AQ-SC5, as defined in the California Energy Commission Final Decision dated September 22, 2010.

Condition of Certification AQ-SC5 requires that a letter from the equipment owner be included in the Monthly Compliance Report (MCR) stipulating that diesel powered, off-road construction equipment with an engine capacity greater than 50 hp has been properly maintained (e.g., tuned to engine manufacturer's specification).

We, Fullmer Construction, hereby declare on behalf of the listed Subcontractors (see attached), that the equipment specified below has been properly maintained.

Equipment Details:

Equipment Type: (please see attached document)
Equipment No.:
Model Year/Tier Level:
Owner:
Engine Capacity (bhp):

This letter is hereby intended to satisfy the aforementioned aspect of the AQSC-5 condition. Please submit any comments or questions via email to rrodriguez@fullmerco.com.

Sincerely,

Rudy R. Rodriguez
Field Project Engineer
Fullmer Construction
Email: rrodriguez@fullmerco.com
Phone: 909-815-5296

May 23, 2012

Terry Copeland
Bechtel Site Manager
100302 Yates Well Road
Nipton, CA 92364

Matt Carney
Site ES&H Manager
100302 Yates Well Road
Nipton, CA 92364

Travis Wilson
Subcontracts Administrator
100302 Yates Well Road
Nipton, CA 92364

Subject: Ivanpah Solar Electric Generating Facility
Bechtel Job No. 25542
Reference: Diesel Fueled Engine Control (COC AQ-SC5)

Dear Messrs Copeland and Carney and Wilson,

This letter is intended to satisfy compliance requirements governed by the Diesel Fueled Engine Control Condition of Certification AQ-SC5, as defined in the California Energy Commission Final Decision dated September 22, 2010.

Condition of Certification AQ-SC5 requires that a letter from the equipment owner be included in the Monthly Compliance Report (MCR) stipulating that diesel powered, off-road construction equipment with an engine capacity greater than 50 hp has been properly maintained (e.g., tuned to engine manufacturer's specification).

We, Las Vegas Paving hereby declare that the equipment specified on the attachment B has been is being properly maintained.

Equipment Details:

This letter is hereby intended to satisfy the aforementioned aspect of the AQSC-5 condition. Please submit any comments or questions via email to jwitt@lasvegaspaving.com

Sincerely,

James Witt Jr.
Construction manager
For

Rick Ewing
Asset Manager
Las Vegas Paving
Rewing@lasvegaspaving.com
702-649-7637

Appendix C

Compliance Matrix—Pre-Construction

COMPLIANCE MATRIX--PRECONSTRUCTION					
Condition Number	**Description of requirement**	**Required Submittal Date**	**Expected or Actual Submittal Date**	**Compliance Status (not started, in progress, completed)**	**Date of Amendment (if applicable)**
AQSC-1	Designate and retain an on-site AQCMM	60 days prior to start of ground disturbance	7/14/2010	Completed 7/14/2010	
AQSC-1	submit name, resume, qualification, and contact info for AQCMM and AQCMM delegates	60 days prior to start of ground disturbance	7/14/2010	Completed 10/7/2010	
AQSC-2	Submit AQCMP to BLM and CPM	60 days prior to start of ground disturbance	7/14/2010	Completed 10/7/2010	
AQSC-3	Post visible speed limit signs at construction site entrances	Prior to commencing construction	10/7/2010	Completed 10/20/2010	

Appendix D

Compliance Matrix--Construction

AIR QUALITY COMPLIANCE MATRIX-CONSTRUCTION			
Condition Number	**Description of Requirement**	**Required Submittal Date**	**Compliance Status (not started, in progress, completed)**
AQSC-3	Main access roads paved or stabilized using soil binders	Prior to initiating construction in the main power block area	In progress
AQSC-3	Delivery areas paved	Prior to taking initial deliveries	In progress
AQSC-3	Unpaved roads stabilized	After construction of road, prior to use	In progress
AQSC-3	Disturbed areas watered as needed	MONTHLY	Ongoing
AQSC-3	Inspect equipment vehicle tires prior to entering paved roadways and washed if necessary	MONTHLY	Ongoing
AQSC-3	Implement run-off control measures	MONTHLY	Ongoing
AQSC-3	Paved roads shall be swept daily on days when construction activity occurs	MONTHLY	Ongoing
AQSC-3	First 500 feet of any paved public roadway exiting the site swept as needed	MONTHLY	Ongoing
AQSC-3	Soil storage piles and disturbed areas covered or treated with dust suppressants	MONTHLY	Ongoing
AQSC-4	Increase application of dust plume mitigation if visible dust plumes observed	MONTHLY	Ongoing
AQSC-4	Implement additional dust plume mitigation if visible dust plumes are not eliminated within one hour of detection	MONTHLY	Ongoing
AQSC-4	Shutdown activity generating dust plume if dust plume not eliminated within one hour of detection	MONTHLY	Ongoing
AQSC-5	Prepare list of heavy equipment used on-site during previous month	MONTHLY	Ongoing
AQSC-6	Prepare plan that identifies size and type of onsite onsite vehicle and equipment fleet for mirror washing and facility maintenance	60 days prior to the start of commercial operation	Not started
AQSC-6	Submit fleet plan to CPM	60 days prior to the start of commercial operation	Not started
AQSC-7	Prepare Operations Dust Control Plan	60 days prior to the start of commercial operation	In Progress
AQSC-7	Submit Operations Dust Control Plan to BLM and CPM	60 days prior to the start of commercial operation	Not started
AQSC-8	Submit copies of ATCs and PTOs from District	15 days after receipt	Not started

AQSC-9	Submit Emergency Engine specifications to CPM	prior to engine installation	Submitted August 28, 2011
AQ-17	Submit specifications of hour timer for fire pumps	30 days prior to installation	Submitted 6/6/2011
AQ-22	Submit engine fire pump specification	30 days prior to purchase	Submitted 6/6/2011
AQ-26	Submit specifications of hour timer for Emergency Generators	30 days prior to installation	Submitted 9/26/2011
AQ-31	Submit specifications of Emergency Generator	30 days prior to purchase	Submitted 6/6/2011

Appendix E

Vehicle Undercarriage Inspection Log

ISEGS	2012 UNDERCARRIAGE DATA (Previous Data for 2010-2011 available in all past MCRs and upon request)					
Inspection Date	**Inspector**	**Company Name**	**Equipment type**	**Equipment #**	**Location**	**PASS**
01/03/12	Aaron Vosler	Bechtel/Davis Farms	Elec. Enclosures	3	Ivanpah	Pass
01/03/12	Aaron Vosler	Bechtel/Consolidated Lumber	Spool	117	Ivanpah	Pass
01/03/12	Aaron Vosler	Bechtel/St. George Steel	Steel	216	Ivanpah	Pass
01/03/12	Aaron Vosler	Bechtel/Westy's	Piping	331	Ivanpah	Pass
01/03/12	Aaron Vosler	Bechtel/Shenker Inc	Pallets	408	Ivanpah	Pass
01/03/12	Aaron Vosler	Bechtel/Westy's	Piping	711	Ivanpah	Pass
01/03/12	Aaron Vosler	Bechtel/Roehl	Panels	743	Ivanpah	Pass
01/03/12	Aaron Vosler	Bechtel/Roehl	Blast panels	5828	Ivanpah	Pass
01/03/12	Aaron Vosler	Bechtel/Cobra	Concrete	6000	Ivanpah	Pass
01/03/12	Aaron Vosler	Bechtel/Roehl	Blast panels	7667	Ivanpah	Pass
01/03/12	Aaron Vosler	Bechtel/3MC	Steel	9508	Ivanpah	Pass
01/03/12	Aaron Vosler	Bechtel/3MC	Steel	9708	Ivanpah	Pass
01/03/12	Aaron Vosler	Bechtel/ATS	Pipes	11046	Ivanpah	Pass
01/03/12	Aaron Vosler	Bechtel/ATS	Tower piping	11155	Ivanpah	Pass
01/03/12	Aaron Vosler	Bechtel/Roadway	Chain horse	13428	Ivanpah	Pass
01/03/12	Aaron Vosler	Bechtel/Sherman Bros.	Container	21002	Ivanpah	Pass
01/03/12	Aaron Vosler	Bechtel/ATS	Tower piping	54060	Ivanpah	Pass
01/03/12	Aaron Vosler	Bechtel/ATS	Piping	54119	Ivanpah	Pass
01/03/12	Aaron Vosler	Bechtel/ATS	Tower piping	81977	Ivanpah	Pass
01/03/12	Aaron Vosler	Bechtel/ATS	Tower piping	82200	Ivanpah	Pass
01/03/12	Aaron Vosler	Bechtel/Ranger	Steel hardware (structura	525000	Ivanpah	Pass
01/03/12	Aaron Vosler	Bechtel/Lahai Roi Trucking	Tool boxes	004	Ivanpah	Pass
01/03/12	Aaron Vosler	Bechtel/Day & Night Towing	Cat 303C	H-02	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/Cemex	Blocks	21	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/Kooken	Wood poles	29	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/Las Vegas Trans	Cars/trucks	37	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/MJS Trans	Steel beams	39	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/WIC Inc	Lumber	41	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/MJS Trans	Steel beams	47	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/AI Trucking	Steel beams	52	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/TP Trucking	Hardware	343	Ivanpah	Pass

01/04/12	Jason Seidi	Bechtel/TP Trucking	Hardware	371	Ivanpah	Pass
01/04/12	Tom Koning	Bechtel/Intermodal Trucking	Container	385	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/Mcr Intermodal	Container	391	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/3MC	Steel beams	704	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/Roehl	Panels for BrightSource	5212	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/STC Sammons	Empty trailers	5511	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/Cemex	Cement blocks	5663	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/Cobra Trucking	Cement blocks	6000	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/Horizon	Container	6470	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/Roehl	Solar panels	6926	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/Roehl	Solar panels	7910	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/Mr Intermodal	Container	8118	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/3MC	Steel beams	9808	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/Sherman	Container	21002	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/Sherman	Container	21002	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/ATS	Tubes	82087	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/Amico	Cat walk	370510	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/Landstar	Roofing/Sideing	552120	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/Donner	Steel angles	08	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/Jeidy Trucking	Pylons	09	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/Plasencia	Container	8JZ1959	Ivanpah	Pass
01/04/12	Jason Seidi	Bechtel/Fox	Container	CT68	Ivanpah	Pass
01/04/12	Jason Seidi	Fox/Bechtel	Container	CT71	Ivanpah	Pass
01/04/12	Jason Seidi	Congo/Stidham	Rebar/Brick	K157	Ivanpah	Pass
01/05/12	Jason Seidi	Bechtel Breeze	Steel trucking	3	Ivanpah	Pass
01/05/12	Jason Seidi	Bechtel/Bill Seity Trucking	Generator	5	Ivanpah	Pass
01/05/12	Jason Seidi	Bechtel/3MC	Steel beams	7	Ivanpah	Pass
01/05/12	Jason Seidi	Bechtel/Herren	Traylors	132	Ivanpah	Pass
01/05/12	Jason Seidi	Bechtel/Amer trans	Steel beam	191	Ivanpah	Pass
01/05/12	Jason Seidi	Bechtel/Dalton Trucking	Steel frame	219	Ivanpah	Pass
01/05/12	Jason Seidi	Bechtel/Dalton Trucking	Steel beam	258	Ivanpah	Pass
01/05/12	Tom Koning	Bechtel/Dalton Trucking	Steel	259	Ivanpah	Pass
01/05/12	Jason Seidi	Bechtel/Dalton	Transformer	336	Ivanpah	Pass
01/05/12	Jason Seidi	Bechtel/L & I	Empty trailer	379	Ivanpah	Pass

01/05/12	Jason Seidi	Bechtel/Sudline	Transformer	1524	Ivanpah	Pass
01/05/12	Jason Seidi	Bechtel/Cobro	Cement block	6000	Ivanpah	Pass
01/05/12	Jason Seidi	Bechtel/Transit	Steel frame	6072	Ivanpah	Pass
01/05/12	Jason Seidi	Bechtel/Sherman	Container	21002	Ivanpah	Pass
01/05/12	Jason Seidi	Bechtel Landstar	Beam	28618	Ivanpah	Pass
01/05/12	Jason Seidi	Bechtel/Estreyla Trucking	Pylons	30049	Ivanpah	Pass
01/05/12	Jason Seidi	Bechtel/J. Wass	Steel plates	01	Ivanpah	Pass
01/05/12	Jason Seidi	Bechtel/Garica	Steel arms	01	Ivanpah	Pass
01/05/12	Jason Seidi	Bechtel/3MC	Steel beam	0511	Ivanpah	Pass
01/05/12	Jason Seidi	Bechtel/3MC	Steel beam	0511	Ivanpah	Pass
01/05/12	Jason Seidi	Bechtel/3MC	Steel beam	909p	Ivanpah	Pass
01/05/12	Jason Seidi	Bechtel/Fox	Container	Ct34	Ivanpah	Pass
01/05/12	Tom Koning	Conco/Stidham Trucking	Rebar	K52	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Estreya Trans	Steel supports	3	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel	Pylons	5	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Acme	Steel pipe	29	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/E Rojas	Steel pipe	40	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Ash-car	Steel beams	45	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Viper Trans	Cement block	54	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/ATS	Fabric pipe	82	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Woods Trucking	Steel plates	84	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Rovira	Steel pipe	100	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/RR Trans	Steel plates	101	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Rome Trucking	Steel pipe	101	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Rome Trucking	Steel pipe	102	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Roma Trucking	Steel pipe	104	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Westy's	Steel pipe	331	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Mer	Tubes	712	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Paddock	Tank	716	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Jasper	Steel beam	1121	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Duff	Pylons	1527	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel	Steel pipe	2008	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/TLO Trans	Steel spoill pipe	2784	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Roehl	Tank	5360	Ivanpah	Pass

01/09/12	Jason Seidi	Bechtel/Roehl	Solar panels	5452	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/3MC	Steel beams	9708	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Sherman	Container	21002	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Sherman	Container	21002	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/ATS	Steel pipe	82113	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel	Steel beams	291521	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Trucking by woods	Steel plate	360323	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Landstar	Steel pipe	521942	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/ReoHawk Exp	Tank	525360	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Landstar	Steel plates	528868	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Landstar	Steel cat walk	553082	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Westy's	Steel pipe	007	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Orozko Trucking	Steel plates	01	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Carozone	Steel beams	014	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Gargozon	Steel beam	017	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Legacy Trans	Steel pipe	021778	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/KL Trucking	Steel beam	03	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/KJ Taylor	Steel pipe	03K	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Emonds	Tank	1-001	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/OH/EA	Steel plates	B2	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Fox	Container	CT12	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Fox	Container	CT66	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Fox	Container	CT68	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/Fox	Container	CT72	Ivanpah	Pass
01/09/12	Jason Seidi	Bechtel/CR Trucking	Container	CT85	Ivanpah	Pass
01/10/12	Jason Seidi	Bechtel/Rodriguez Trans	Pylons	11	Ivanpah	Pass
01/10/12	Jason Seidi	Bechtel/Sims Trans	Steel cat walk	48	Ivanpah	Pass
01/10/12	Jason Seidi	Bechtel/Rangel	Pylons	79	Ivanpah	Pass
01/10/12	Jason Seidi	Bechtel/Kaiser	Water tank elboul	181	Ivanpah	Pass
01/10/12	Jason Seidi	Bechtel/5G Steel	Chem plates	230	Ivanpah	Pass
01/10/12	Jason Seidi	Bechtel/Pinto's	Pylons	307	Ivanpah	Pass
01/10/12	Jason Seidi	Bechtel/Trex Trans	Cat walk	411	Ivanpah	Pass
01/10/12	Jason Seidi	Bechtel/B/L Stewart	Tubes	557	Ivanpah	Pass
01/10/12	Jason Seidi	Bechtel/Earl Paddock		720	Ivanpah	Pass

01/10/12	Jason Seidi	Bechtel/Earl Paddock	Water system	783	Ivanpah	Pass
01/10/12	Jason Seidi	Bechtel/Paddock	Water pump	787	Ivanpah	Pass
01/10/12	Jason Seidi	Bechtel/ATS	Breckers Cir.	8254	Ivanpah	Pass
01/10/12	Jason Seidi	Bechtel/3MC	Steel beams	9808	Ivanpah	Pass
01/10/12	Jason Seidi	Bechtel/Sherman	Container	21002	Ivanpah	Pass
01/10/12	Jason Seidi	Bechtel/Landstar	Steel diagonal	409570	Ivanpah	Pass
01/10/12	Jason Seidi	Bechtel/Landstar	Pylons	414811	Ivanpah	Pass
01/10/12	Jason Seidi	Bechtel/Landstar	Pylons	530735	Ivanpah	Pass
01/10/12	Jason Seidi	Bechtel/ED Bandidi Sons	Steel plates	B8	Ivanpah	Pass
01/10/12	Jason Seidi	Bechtel/Fox	Container	CT12	Ivanpah	Pass
01/10/12	Jason Seidi	Bechtel/Fox	Container	CT77	Ivanpah	Pass
01/11/12	Jason Seidi	Bechtel/Stagecoach	Pylons	13	Ivanpah	Pass
01/11/12	Jason Seidi	Bechtel/Zamana	Tubes	17	Ivanpah	Pass
01/11/12	Jason Seidi	Bechtel/Frokan Trans	Pylons	22	Ivanpah	Pass
01/11/12	Jason Seidi	Bechtel/MJS Trans	Steel beam	39	Ivanpah	Pass
01/11/12	Jason Seidi	Bechtel/Neal Logistics	Steel beam	40	Ivanpah	Pass
01/11/12	Jason Seidi	Bechtel/Intermodal West Inc	Container	385	Ivanpah	Pass
01/11/12	Jason Seidi	Bechtel/Mar Trucking	Pylons	712	Ivanpah	Pass
01/11/12	Jason Seidi	Bechtel/ABS Trans	Empty trailer	856	Ivanpah	Pass
01/11/12	Jason Seidi	Bechtel/System Trans	Building matter	1396	Ivanpah	Pass
01/11/12	Jason Seidi	Bechtel/3MC	Beams	2008	Ivanpah	Pass
01/11/12	Jason Seidi	Bechtel/3MC	Steel beam	9810	Ivanpah	Pass
01/11/12	Jason Seidi	Bechtel/Sherman	Container	21002	Ivanpah	Pass
01/11/12	Jason Seidi	Bechtel/Xpress Trans	Support arms	53847	Ivanpah	Pass
01/11/12	Jason Seidi	Bechtel/Prime Inc	Pipe	700273	Ivanpah	Pass
01/11/12	Jason Seidi	Bechtel/3MC	Steel beams	2136265	Ivanpah	Pass
01/11/12	Jason Seidi	Bechtel/Porter	Steel beams	02	Ivanpah	Pass
01/11/12	Jason Seidi	Bechtel/Fox	Container	CT12	Ivanpah	Pass
01/11/12	Jason Seidi	Bechtel/Fox	Container	CT66	Ivanpah	Pass
01/11/12	Jason Seidi	Bechtel/Fox	Container	CT85	Ivanpah	Pass
01/12/12	Tom Koning	Bechtel/Sina Trucking	Steel pipe	5	Ivanpah	Pass
01/12/12	Jason Seidi	Bechtel/3MC	Steel beam	7	Ivanpah	Pass
01/12/12	Jason Seidi	Bechtel/Al Lopez	Pylon	74	Ivanpah	Pass
01/12/12	Jason Seidi	Bechtel	Steel roofing	156	Ivanpah	Pass

01/12/12	Jason Seidi	Bechtel/Saint George Steel	Cat walk	231	Ivanpah	Pass
01/12/12	Jason Seidi	Bechtel/Tradstone Logistics	Steel beam	703	Ivanpah	Pass
01/12/12	Jason Seidi	Bechtel/Treadstone	Steel beam	704	Ivanpah	Pass
01/12/12	Jason Seidi	Bechtel/Sherman	Container	21002	Ivanpah	Pass
01/12/12		Bechtel/Cerros Bros	Cable	225580	Ivanpah	Pass
01/12/12	Jason Seidi	Bechtel/Landstar	Steel rings	526382	Ivanpah	Pass
01/12/12	Jason Seidi	Bechtel/RDJ Trucking	Pylons	02	Ivanpah	Pass
01/12/12	Jason Seidi	Bechtel/Leo A Trucking	Pylons	02	Ivanpah	Pass
01/12/12	Jason Seidi	Bechtel/3MC	Steel beam	0511	Ivanpah	Pass
01/12/12	Jason Seidi	Bechtel/Jeioy Trucking	Steel support	09	Ivanpah	Pass
01/12/12	Jason Seidi	Bechtel/Jesus Assoc	Pylons	410431-C	Ivanpah	Pass
01/12/12	Jason Seidi	Bechtel	Container	CT68	Ivanpah	Pass
01/12/12	Jason Seidi	Bechtel/Fox	Container	CT69	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Breeze Trucking	Pylon	3	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Pearl Trans	Beam	7	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Bontager	Pylons	12	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Casco	Air cond	18	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Cemex	Block cement	21	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Westy's	Steel beams	37	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Stich	Becms	37	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/ATS	Steel support	53	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Stidmas	Rebar	170	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Knols truck	Lumber	201	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Zevi Logistics	Steel poles	221	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/MSL	Nuts/bolts	313	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Pinto's	Pylons	367	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Intermodal	Container	385	Ivanpah	Pass
01/17/12	Tom Koning	Bechtel/Go2Trucking	Copper wire	530	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/BL Stewart	Pylons	564	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Intermodal	Container	580	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Martin Rider	Generator	600	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Eguizabcc	Pylons	777	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Holms	Steel pipe	1050	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Holms	Steel pipe	1080	Ivanpah	Pass

01/17/12	Jason Seidi	Bechtel/Holms	Steel pipe	1105	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Holms	Steel pipe	1111	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Jsper	Beams	1120	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Pac Shoes	Tubes	1672	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Transit	Hecter Ex	4025	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Roehl	Steel frame	4501	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Roehl	Panels	5763	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Roehl	Panels	5952	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Bundy Trucking	Cat walk	7365	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Steel Haulers	Bus	8938	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/3MC	Steel beams	9708	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/ATS	Tank	16166	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/3MC	Steel beam	20957	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Sherman	Container	21002	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/ATS	Pipe	54104	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Green tree	Steel beam	71408	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/ATS	Steel pipe	72268	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/ATS	Pipe	81800	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/ATS	Steel pipe	82236	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Bennett	Crats	208703	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Lomma	Wintch	236862	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Be Jordan	Tank	540380	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Landstar	Container	547425	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Landstar	Pylons	550804	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Landstar	Container	554497	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Landstar	Steel pipe	733649	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/3Ro Explic	Pylons	754422	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Frieght It	Generator	1643008	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Stagecoach	Steel supports	007	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Westy's	Pipe	007	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/ATL Trans	Steel beams	01F	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/AC Trucking	Steel forms	06	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/L Trucking	Cat walk	1	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Oilco	Cat walk	2K4	Ivanpah	Pass

01/17/12	Jason Seidi	Bechtel/Mir Trans	Container	A392	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Fox	Container	CT49	Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel			Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel			Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel			Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel			Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel			Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel			Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel			Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel			Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel			Ivanpah	Pass
01/17/12	Jason Seidi	Bechtel/Jordan	Tank		Ivanpah	Pass
01/18/12	Jason Seidi	Bechtel/LBJ Assoc	Steel supports	4	Ivanpah	Pass
01/18/12	Jason Seidi	Bechtel/Morages Trans	Pylon	6	Ivanpah	Pass
01/18/12	Jason Seidi	Bechtel/Rodrigues Trans	Pylons	11	Ivanpah	Pass
01/18/12	Jason Seidi	Bechtel/MJS Trans	Steel beam	39	Ivanpah	Pass
01/18/12	Jason Seidi	Bechtel/Fox	Container	68	Ivanpah	Pass
01/18/12	Jason Seidi	Bechtel/Fox	Container	71	Ivanpah	Pass
01/18/12	Jason Seidi	Bechtel/Froilan Trans	Pylons	72	Ivanpah	Pass
01/18/12	Jason Seidi	Bechtel/Fox	Container	85	Ivanpah	Pass
01/18/12	Jason Seidi	Conco/Stidham	Rebar	121	Ivanpah	Pass
01/18/12	Jason Seidi	Bechtel/Brothers Trucking	Cat walk	175	Ivanpah	Pass
01/18/12	Jason Seidi	Bechtel/J Trans	Wood steel frame	176	Ivanpah	Pass
01/18/12	Jason Seidi	Bechtel/Mason Trans	Conduct	242	Ivanpah	Pass
01/18/12	Jason Seidi	Bechtel	Empty trailer	816	Ivanpah	Pass
01/18/12	Jason Seidi	Bechtel/Tweedy	Steel beams	979	Ivanpah	Pass
01/18/12	Jason Seidi	Bechtel/Naylor	Empty trailer	3020	Ivanpah	Pass
01/18/12	Jason Seidi	Bechtel/ATI Trans	Beams	6922	Ivanpah	Pass
01/18/12	Jason Seidi	Bechtel/Melton	Valves parts	6976	Ivanpah	Pass
01/18/12	Jason Seidi	Bechtel/3MC	Steel beams	9801	Ivanpah	Pass
01/18/12	Jason Seidi	Bechtel/3MC	Steel beams	9908	Ivanpah	Pass
01/18/12	Jason Seidi	Bechtel/Sherman	Container	21002	Ivanpah	Pass
01/18/12	Jason Seidi	Bechtel/Greatwide	Steel beams	31143	Ivanpah	Pass
01/18/12	Jason Seidi	Bechtel/Landstar	Steel beams	551255	Ivanpah	Pass

01/18/12	Jason Seidi	Bechtel/3MC	Steel beams	743818	Ivanpah	Pass
01/18/12	Jason Seidi	Bechtel/Valley Trans	Steel rails	0057	Ivanpah	Pass
01/18/12	Jason Seidi	Bechtel/D&G Trans	Tubes	03	Ivanpah	Pass
01/18/12	Jason Seidi	Bechtel/Emmauels	Steel cat walk	0900	Ivanpah	Pass
01/18/12	Jason Seidi	Bechtel/Jackson Trucking	Steel beams		Ivanpah	Pass
01/19/12	Jason Seidi	Bechtel/Lamb Truck	Beams	6	Ivanpah	Pass
01/19/12	Jason Seidi	Bechtel/Fox	Container	12	Ivanpah	Pass
01/19/12	Jason Seidi	Bechtel/Fox	Container	49	Ivanpah	Pass
01/19/12	Jason Seidi	Bechtel/Fox	Container	68	Ivanpah	Pass
01/19/12	Jason Seidi	Bechtel/Fox	Container	77	Ivanpah	Pass
01/19/12	Jason Seidi	Bechtel/wayne Kelly	Steel beams	82	Ivanpah	Pass
01/19/12	Jason Seidi	Bechtel/Fox	Container	85	Ivanpah	Pass
01/19/12	Jason Seidi	Bechtel/Woods Trans	Steel beam	86	Ivanpah	Pass
01/19/12	Jason Seidi	Bechtel/JCS Trans	K Rails	177	Ivanpah	Pass
01/19/12	Jason Seidi	Bechtel/Intermodal	Container	391	Ivanpah	Pass
01/19/12	Jason Seidi	Bechtel/Kruegur Trans	Water hypochlorite	9401	Ivanpah	Pass
01/19/12	Jason Seidi	Bechtel/Sherman	Container	21002	Ivanpah	Pass
01/19/12	Jason Seidi	Bechtel	Steel beams	431894	Ivanpah	Pass
01/19/12	Jason Seidi	Bechtel/Landstar	Electrical Enclosures	532846	Ivanpah	Pass
01/19/12	Jason Seidi	Bechtel/Lahai Roi	Steel beams	002	Ivanpah	Pass
01/19/12	Jason Seidi	Bechtel/Congo Stidham	Rebar	K158	Ivanpah	Pass
01/22/12	Jason Seidi	Bechtel/M&Guane	Steel supports	311	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/AC Trans	Steel pipe	1	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/AC Trans	Steel pipe	1	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/CM Trucking	Pylons	5	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel	pylons	11	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel	pylons	11	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Infinity	Cat walk	12	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Ash car	Beams	45	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Giovanni	lumber	67	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Giovanni	lumber	67	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/ATS	Pipe	82	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Jensen	Crane	88	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Select Shippers	Steel supports	118	Ivanpah	Pass

01/23/12	Jason Seidi	Bechtel/JA Harris	Pipe	128	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/JA Harris	Pipe	128	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Tweedy	Beams	139	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel	Lumber/Cat walk	312	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Lonestar	Support arms	349	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Lonestar	Support arms	349	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/r rex trans	Cat walk	411	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/r rex trans	Cat walk	411	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Delong	Beams	571	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Delong	Beams	571	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Tradstone	Steel column	703	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Combined Trans	Crane parts	2206	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Combined Trans	Crane	2617	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Cats	framing	4559	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Cats	framing	4559	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Cobra	Cement colums	6000	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/I Ats	Pylons	11156	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/I Ats	Pylons	11156	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Sherman	Container	21002	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Tom Chambers	Wire	32514	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Rir Trans	Beams	37394	Ivanpah	Pass
01/23/12	Tom Koning	Bechtel/Bennett Trucking	Container	206348	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Delong	Beams	257457	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Eastern Exp	Beams	291521	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Lonestar	pylons	530735	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Lonestar	pylons	530735	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/RL Trans	Pipe hardware	546848	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Landstar	Beams	550186	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel	pylons	1668574	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel	pylons	1668574	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Fox	Container	ct6	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel/Fox	Container	ct6	Ivanpah	Pass
01/23/12	Jason Seidi	Bechtel	Rebar	K105	Ivanpah	Pass
01/24/12	Jason Seidi	Bechtel/Estradas	pylons	1	Ivanpah	Pass

01/24/12	Jason Seidi	Bechtel/JP Trans	Pylons	3	Ivanpah	Pass
01/24/12	Jason Seidi	Bechtel/JMB Trans	Pylons	7	Ivanpah	Pass
01/24/12	Jason Seidi	Bechtel/Rangel Trans	Lumber	110	Ivanpah	Pass
01/24/12	Jason Seidi	Bechtel/Patterson HD	Lumber	123	Ivanpah	Pass
01/24/12	Jason Seidi	Bechtel/GAD Trans	Pylons	921	Ivanpah	Pass
01/24/12	Jason Seidi	Bechtel/TTK Transport	Water system	999	Ivanpah	Pass
01/24/12	Jason Seidi	Bechtel/Westys Trans	Steel pipe	1600	Ivanpah	Pass
01/24/12	Jason Seidi	Bechtel/Sherman	Container	2809	Ivanpah	Pass
01/24/12	Jason Seidi	Bechtel/Roell	solar panels	4475	Ivanpah	Pass
01/24/12	Jason Seidi	Bechtel/Cobra	cement block	6000	Ivanpah	Pass
01/24/12	Jason Seidi	Bechtel/Sherman	cotainer	21002	Ivanpah	Pass
01/24/12	Jason Seidi	Bechtel/CK Trans	Water Value	414468	Ivanpah	Pass
01/25/12	Jason Seidi	Bechtel/SS Enterprises	Cement Block	1	Ivanpah	Pass
01/25/12	Jason Seidi	Bechtel/MJS Trans	beams	47	Ivanpah	Pass
01/25/12	Jason Seidi	Bechtel/Fox	container	71	Ivanpah	Pass
01/25/12	Jason Seidi	Congo/First Class Service	rebar	77	Ivanpah	Pass
01/25/12	Tom Koning	Bechtel/KDK Trucking	Pylon	109	Ivanpah	Pass
01/25/12	Tom Koning	Bechtel	concrete block	170	Ivanpah	Pass
01/25/12	Ivanpah	Bechtel/Intermodal West Inc	cotainer	385	Ivanpah	Pass
01/25/12	Jason Seidi	Bechtel/Sherman	Container	2809	Ivanpah	Pass
01/25/12	Jason Seidi	Bechtel/Sherman	Container	21002	Ivanpah	Pass
01/25/12	Jason Seidi	Bechtel/Sherman	Container	21002	Ivanpah	Pass
01/25/12	Jason Seidi	Bechtel/Fox	cotainer	ct 12	Ivanpah	Pass
01/25/12	Jason Seidi	Bechtel/Fox	container	Ct 49	Ivanpah	Pass
01/25/12	Jason Seidi	Becthtel/Fox	container	ct85	Ivanpah	Pass
01/25/12	Jason Seidi	Bechtel/Upper Trans	Cement Block	s4	Ivanpah	Pass
01/26/12	Jason Seidi	Bechtel/Fox	Container	6	Ivanpah	Pass
01/26/12	Jason Seidi	Bechtel/Lamb Trucking	Steel plates	6	Ivanpah	Pass
01/26/12	Jason Seidi	Bechtel/3MC	Steel bars	7	Ivanpah	Pass
01/26/12	Jason Seidi	Bechtel/Fox	Container	12	Ivanpah	Pass
01/26/12	Jason Seidi	Bechtel/Black Rose	Empty trailer	13	Ivanpah	Pass
01/26/12	Jason Seidi	Bechtel/RST Trans	Switch room	49	Ivanpah	Pass
01/26/12	Jason Seidi	Bechtel/JO Exp	Water tank	53	Ivanpah	Pass
01/26/12	Jason Seidi	Bechtel/Viper Trans	Cement forms	54	Ivanpah	Pass

01/26/12	Jason Seidi	Bechtel/Rst Trans	Generator	56	Ivanpah	Pass
01/26/12	Jason Seidi	Bechtel/JO	Water tank	74	Ivanpah	Pass
01/26/12	Jason Seidi	Bechtel/Congo/Stidham	Rebar	174	Ivanpah	Pass
01/26/12	Jason Seidi	Bechtel/3MC	Beams	511	Ivanpah	Pass
01/26/12	Jason Seidi	Bechtel/Sherman	Container	2809	Ivanpah	Pass
01/26/12	Jason Seidi	Bechtel/Cobra	Cement forms	5000	Ivanpah	Pass
01/26/12	Jason Seidi	Bechtel/Sherman	Container	21002	Ivanpah	Pass
01/26/12	Jason Seidi	Bechtel/Sherman	Container	100250	Ivanpah	Pass
01/26/12	Jason Seidi	Bechtel/Stagecoach Exp	Steel supports	207848	Ivanpah	Pass
01/26/12	Jason Seidi	Bechtel/Woods Trucking	Beams	272453	Ivanpah	Pass
01/26/12	Jason Seidi	Bechtel/SG Interprizes	Cement forms	516229	Ivanpah	Pass
01/26/12	Jason Seidi	Bechtel/Landstar	Empty trailer	524492	Ivanpah	Pass
01/26/12	Jason Seidi	Bechtel/RM Lumber	Lumber	001	Ivanpah	Pass
01/26/12	Jason Seidi	Bechtel/Stagecoach Exp	Pylons	011	Ivanpah	Pass
01/26/12	Jason Seidi	Bechtel/Curtis	Steel plates	06	Ivanpah	Pass
01/26/12	Jason Seidi	Bechtel/Fox	Container	CT86	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/Santa cain	steel supports	1	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/Mar Trucking	Control Valves	2	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/Breeze Trans	Pylons	3	Ivanpah	Pass
01/30/12	Jason Seidi	Bectel/O M Trans	Pylons	5	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/Gamb Trans	steel plates	6	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/Westy's	Beams	7	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/Stagecoach Exp	Pylons	11	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/Fox	Container	12	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/Fox	Container	49	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/Gamb Trans	Beams	86	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/Pachease	trailers	110	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/Trans American	Pylons	120	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/Kloroykel/Liberty	lumber	205	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/Big Way Trans	welders	212	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/Pinto's	pylons	362	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/Trex Trans	Cat walk	411	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/3MC	Beams	711	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/System Trans	Build hardware	1833	Ivanpah	Pass

01/30/12	Jason Seidi	Bechtel/Sherman	Container	2809	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/Sherman	Container	2809	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/Roehl		8700	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/3M	Beams	9098	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/ 3MC	Beams	9508	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/3MC	Steel Beams	9708	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/3MC	Beams	9808	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/3MC	Beams	9810	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/3MC	beams	9908	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/Sherman	Container	9980	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/Sherman	Container	21002	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/Stagecoach Exp	Pylons	207868	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/Grect Wade	hardware	279100	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/Landstar	switch gear	530763	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/Lonestar	lights	538713	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/Landstar	valves	550804	Ivanpah	Pass
01/30/12	Jason Seidi	Bechtel/Landstar	Water Tank	H16279	Ivanpah	Pass
01/31/12	Jason Seidi	Bechtel/M&S Trans	Beams	39	Ivanpah	Pass
01/31/12	Jason Seidi	Bechtel/Al Lopez	Pylons	74	Ivanpah	Pass
01/31/12	Jason Seidi	Bechtel/Siemens Energy	Office Furniture	74	Ivanpah	Pass
01/31/12	Jason Seidi	Bechtel/Select Shippers	Steel support	102	Ivanpah	Pass
01/31/12	Jason Seidi	Bechtel/Whitwood Trans	Beams	162	Ivanpah	Pass
01/31/12	Jason Seidi	Bechtel/Dalton Trucking	Transformer	335	Ivanpah	Pass
01/31/12	Tom Koning	Bechtel	Container	385	Ivanpah	Pass
01/31/12	Jason Seidi	Bechtel/Intermodal West Inc	Container	580	Ivanpah	Pass
01/31/12	Jason Seidi	Bechtel/GAD Trans	Pylons	921	Ivanpah	Pass
01/31/12	Jason Seidi	Bechtel/CRST	Pumps, beams	7386	Ivanpah	Pass
01/31/12	Jason Seidi	Bechtel/Sherman	Container	9980	Ivanpah	Pass
01/31/12	Jason Seidi	Bechtel/Sherman	Container	21002	Ivanpah	Pass
01/31/12	Jason Seidi	Bechtel/Plaza Tracking	Transformer	80161	Ivanpah	Pass
01/31/12	Jason Seidi	Reily Electric Swift Trucking	Pipe tubing	309944	Ivanpah	Pass
01/31/12	Jason Seidi	Bechtel/Landstar	Steel hardware	529921	Ivanpah	Pass
01/31/12	Jason Seidi	Bechtel/JJ Enterprise	Pylons	Lucky 666	Ivanpah	Pass
02/01/12	Jason Seidi	Bechtel/Iroc Trans	Pylons	7	Ivanpah	Pass

02/01/12	Jason Seidi	Bechtel/Fox	Container	12	Ivanpah	Pass
02/01/12	Jason Seidi	Bechtel/Cemex	Blocks	21	Ivanpah	Pass
02/01/12	Jason Seidi	Bechtel/Select Shippers	Steel Support	102	Ivanpah	Pass
02/01/12	Jason Seidi	Bechtel/3MC	Beams	211	Ivanpah	Pass
02/01/12	Jason Seidi	Bechtel/ Dalton Trans	Steel Parts	289	Ivanpah	Pass
02/01/12	Jason Seidi	Bechtel/ Dalton	Steel Frame	291	Ivanpah	Pass
02/01/12	Jason Seidi	Bechtel/ Dalton	Steel Frame	294	Ivanpah	Pass
02/01/12	Jason Seidi	Bechtel/M I R Trans	Container	391	Ivanpah	Pass
02/01/12	Jason Seidi	Bechtel/B/L Stewart	Pylons	571	Ivanpah	Pass
02/01/12	Tom Koning	Bechtel/Sherman Trucking	Container	2809	Ivanpah	Pass
02/01/12	Tom Koning	Bechtel/Trans American	Pylons	3312	Ivanpah	Pass
02/01/12	Jason Seidi	Bechtel/Sherman	Container	21002	Ivanpah	Pass
02/01/12	Jason Seidi	Bechtel/Fox	Container	02	Ivanpah	Pass
02/01/12	Jason Seidi	Bechtel/Leo A Trucking	Lumber	02	Ivanpah	Pass
02/01/12	Jason Seidi	Bechtel/M I R Intermodal	Container	A391	Ivanpah	Pass
02/01/12	Tom Koning	Bechtel/Fox Trucking	Container	CT68	Ivanpah	Pass
02/01/12	Jason Seidi	Congo/Stidham	Rebar	K105	Ivanpah	Pass
02/02/12	Jason Seidi	Bechtel/ Ponce Trans	Pylons	2	Ivanpah	Pass
02/02/12	Jason Seidi	Bechtel/Hopper's Hauling	Pipe	22	Ivanpah	Pass
02/02/12	Jason Seidi	Bechtel/MJS Trans	Steel Beam	47	Ivanpah	Pass
02/02/12	Jason Seidi	Bechtel/Quality Flatbeads	Steel Pipe	58	Ivanpah	Pass
02/02/12	Jason Seidi	Bechtel/Great Wide	Steel	73	Ivanpah	Pass
02/02/12	Jason Seidi	Bechtel 3 MC	Beams	77	Ivanpah	Pass
02/02/12	Jason Seidi	Bechtel/Fox	Container	85	Ivanpah	Pass
02/02/12	Jason Seidi	Bechtel/ADD Distrobution	Container	164	Ivanpah	Pass
02/02/12	Jason Seidi	Bechtel/ADD Distrobution	Container	169	Ivanpah	Pass
02/02/12	Jason Seidi	Bechtel/ Dalton Trucking	Transformer Parts	217	Ivanpah	Pass
02/02/12	Jason Seidi	Bechtel/SVB Express	Empty trailer	222	Ivanpah	Pass
02/02/12	Jason Seidi	Bechtel/M R Intermodal	Container	391	Ivanpah	Pass
02/02/12	Jason Seidi	Bechtel/Trecostone	Steel Beams	704	Ivanpah	Pass
02/02/12	Jason Seidi	Bechtel/Sherman	Container	2809	Ivanpah	Pass
02/02/12	Jason Seidi	Bechtel/Sherman	Container	2809	Ivanpah	Pass
02/02/12	Jason Seidi	Bechtel/Sherman	Container	21002	Ivanpah	Pass
02/02/12	Jason Seidi	Bechtel/Jones Motor	Beams	34587	Ivanpah	Pass

02/02/12	Jason Seidi	Bechtel/Roo Rents	Empty trailer	244941	Ivanpah	Pass
02/02/12	Jason Seidi	Bechtel/ CR Tracking	Steel Beams	011-5	Ivanpah	Pass
02/02/12	Jason Seidi	Bechtel/Intermodal	Container	A391	Ivanpah	Pass
02/02/12	Jason Seidi	Bechtel/ ? Trucking	Support Steel	A711	Ivanpah	Pass
02/02/12	Jason Seidi	Bechtel/ Mc Carty	Pipe in Steel Frame	RT23	Ivanpah	Pass
02/06/12	Jason Seidi	Bechtel/Michelle Trans	Pylons	1	Ivanpah	Pass
02/06/12	Jason Seidi	Bechtel/OTG Trans	Pylons	3	Ivanpah	Pass
02/06/12	Jason Seidi	Bechtel/JP Trans	Pylons	3	Ivanpah	Pass
02/06/12	Jason Seidi	Bechtel/Sina Trans	Pylons	5	Ivanpah	Pass
02/06/12	Jason Seidi	Bechtel/Stagecoach Exp	Pylons	7	Ivanpah	Pass
02/06/12	Jason Seidi	Bechtel/Casco	A/C Hardware	18	Ivanpah	Pass
02/06/12	Jason Seidi	Bechtel/Starlite	55 Gallon Drums	18	Ivanpah	Pass
02/06/12	Jason Seidi	Bechtel/Fox	Picking up container	49	Ivanpah	Pass
02/06/12	Jason Seidi	Bechtel/Guardian	Container	50	Ivanpah	Pass
02/06/12	Jason Seidi	Bechtel/Jensen	Cement Blocks	88	Ivanpah	Pass
02/06/12	Jason Seidi	Bechtel/Select Shippers	Steel Support	102	Ivanpah	Pass
02/06/12	Jason Seidi	Bechtel/CCST	hardware	110	Ivanpah	Pass
02/06/12	Jason Seidi	Bechtel/Wehunt	Steel Tubes	127	Ivanpah	Pass
02/06/12	Jason Seidi	Bechtel/Wehunt	hardware	130	Ivanpah	Pass
02/06/12	Jason Seidi	Bechtel/Musk Trans	Pylons	285	Ivanpah	Pass
02/06/12	Jason Seidi	Bechtel/Intermodal West	Container	385	Ivanpah	Pass
02/06/12	Jason Seidi	Bechtel/JTS Express	Steel Pipe	600	Ivanpah	Pass
02/06/12	Jason Seidi	Bechtel/Trecostone	Steel Beams	703	Ivanpah	Pass
02/06/12	Jason Seidi	Bechtel/Sherman	Container	2809	Ivanpah	Pass
02/06/12	Jason Seidi	Bechtel/3MC	Steel Pipe	9708	Ivanpah	Pass
02/06/12	Jason Seidi	Bechtel/Sherman	Container	21002	Ivanpah	Pass
02/06/12	Jason Seidi	Bechtel/Landstar	Water Tank	40221	Ivanpah	Pass
02/06/12	Jason Seidi	Bechtel/Cantex	Steel Pipe	629497	Ivanpah	Pass
02/07/12	Jason Seidi	Bechtel/Fox	Container	2	Ivanpah	Pass
02/07/12	Tom Koning	Bechtel/Breeze Trucking	Pylon	3	Ivanpah	Pass
02/07/12	Jason Seidi	Bechtel/Giovanni Trans	Pylons	7	Ivanpah	Pass
02/07/12	Jason Seidi	Bechtel/Fox	Container	12	Ivanpah	Pass
02/07/12	Jason Seidi	Bechtel/Fox	Container	49	Ivanpah	Pass
02/07/12	Jason Seidi	Bechtel/Select Shippers	Pylons	102	Ivanpah	Pass

02/07/12	Jason Seidi	Bechtel/J 23 Trans	Water Pumps	128	Ivanpah	Pass
02/07/12	Jason Seidi	Bechtel/Fox	Container	226	Ivanpah	Pass
02/07/12	Jason Seidi	Bechtel/ Motor Ser	Bolts/Nuts	305	Ivanpah	Pass
02/07/12	Jason Seidi	Bechtel/Zcour Trans	Pylons	353	Ivanpah	Pass
02/07/12	Jason Seidi	Bechtel/Intermodal West	Container	385	Ivanpah	Pass
02/07/12	Jason Seidi	Bechtel/B/L Stewart	Pylons	557	Ivanpah	Pass
02/07/12	Jason Seidi	Bechtel/Paul Delong	Tractor	1000	Ivanpah	Pass
02/07/12	Jason Seidi	Bechtel/Sherman	Container	2809	Ivanpah	Pass
02/07/12	Jason Seidi	Bechtel/Roehl	hardware	5483	Ivanpah	Pass
02/07/12	Jason Seidi	Bechtel/Roehl	hardware	5665	Ivanpah	Pass
02/07/12	Jason Seidi	Bechtel/Sherman	Container	21002	Ivanpah	Pass
02/07/12	Jason Seidi	Bechtel/Sherman	Container	21002	Ivanpah	Pass
02/07/12	Jason Seidi	Bechtel/Landstar	hardware	32779	Ivanpah	Pass
02/07/12	Jason Seidi	Bechtel/Landstar	Metal Siding	405732	Ivanpah	Pass
02/07/12	Jason Seidi	Bechtel/Fox	Container	CT77	Ivanpah	Pass
02/07/12	Jason Seidi	Bechtel/Woods Trucking	Plates of Steel	Z72453	Ivanpah	Pass
02/08/12	Jason Seidi	Bechtel/Fox	Container	6	Ivanpah	Pass
02/08/12	Jason Seidi	Bechtel/Fox	Container	12	Ivanpah	Pass
02/08/12	Tom Koning	Bechtel/Montana Trucking	H.A.B	56	Ivanpah	Pass
02/08/12	Jason Seidi	Bechtel/Van Kampen	Sand Bags	65	Ivanpah	Pass
02/08/12	Jason Seidi	Bechtel/Montana Trucking	trailers	84	Ivanpah	Pass
02/08/12	Jason Seidi	Bechtel/Der Sting	Sand Bags	100	Ivanpah	Pass
02/08/12	Jason Seidi	Bechtel/Select Shippers	Pylons	102	Ivanpah	Pass
02/08/12	Jason Seidi	Bechtel/Conagol Stidham	Rebar	137	Ivanpah	Pass
02/08/12	Jason Seidi	Bechtel/Visser	Sand Bags	507	Ivanpah	Pass
02/08/12	Jason Seidi	Bechtel/Tweedy	Steel Beams	979	Ivanpah	Pass
02/08/12	Jason Seidi	Bechtel/Ver Steel	Sand Bags	1205	Ivanpah	Pass
02/08/12	Jason Seidi	Bechtel	pylons	3312	Ivanpah	Pass
02/08/12	Jason Seidi	Bechtel/3MC	Steel Beams	9908	Ivanpah	Pass
02/08/12	Jason Seidi	Bechtel/Sherman	Container	9908	Ivanpah	Pass
02/08/12	Jason Seidi	Bechtel/Sherman	Container	21002	Ivanpah	Pass
02/08/12	Jason Seidi	Bechtel/3MC	Steel Beams	909P	Ivanpah	Pass
02/09/12	Jason Seidi	Bechtel/CM Trucking	Wire	5	Ivanpah	Pass
02/09/12	Jason Seidi	Bechtel/Stagecoach	Support Steel	11	Ivanpah	Pass

02/09/12	Jason Seidi	Bechtel/Fox	Container	12	Ivanpah	Pass
02/09/12	Jason Seidi	Bechtel/Perry Sons	Container	34	Ivanpah	Pass
02/09/12	Jason Seidi	Bechtel/Montana Trucking	No Trailer	56	Ivanpah	Pass
02/09/12	Jason Seidi	Bechtel/First Class	Rebar	94	Ivanpah	Pass
02/09/12	Jason Seidi	Bechtel/NevCal	Container	112	Ivanpah	Pass
02/09/12	Jason Seidi	Bechtel/Stidham	Steel Beams	160	Ivanpah	Pass
02/09/12	Jason Seidi	Bechtel/ADD Distrobution	Container	169	Ivanpah	Pass
02/09/12	Jason Seidi	Bechtel/Steel Haulers	Steel Beam	211	Ivanpah	Pass
02/09/12	Jason Seidi	Bechtel/3MC	Steel Beams	266	Ivanpah	Pass
02/09/12	Tom Koning	Bechtel/SGS Trucking	Steel	270	Ivanpah	Pass
02/09/12	Jason Seidi	Bechtel/TCI Trans	Transformers	671	Ivanpah	Pass
02/09/12	Jason Seidi	Bechtel/Mobile Mini	Mobile Office	1068	Ivanpah	Pass
02/09/12	Jason Seidi	Bechtel/Ibis Inter	Water tank	1211	Ivanpah	Pass
02/09/12	Jason Seidi	Bechtel/CBI	Generator	8003	Ivanpah	Pass
02/09/12	Jason Seidi	Bechtel/Sherman	Container	9802	Ivanpah	Pass
02/09/12	Jason Seidi	Bechtel/3MC	Beams	9908	Ivanpah	Pass
02/13/12	Tom Koning	Bechtel/ JROC Trucking	Steel Pipe	7	Ivanpah	Pass
02/13/12	Tom Koning	Bechtel/G&K Trucking		77	Ivanpah	Pass
02/13/12		Bechtel/Select Shippers	Metal	102	Ivanpah	Pass
02/13/12	Tom Koning	Bechtel/ADD Distrobution	Container	169	Ivanpah	Pass
02/13/12	Vic Gibson	St. George Steel	Green Steel	230	Ivanpah	Pass
02/13/12	Vic Gibson	Maczuk	Transformers	344	Ivanpah	Pass
02/13/12	Tom Koning	Bechtel/Treadstone	Steel	704	Ivanpah	Pass
02/13/12	Vic Gibson	Sherman Bros./Bechtel	Mirrors	2809	Ivanpah	Pass
02/13/12	Vic Gibson	3MC	Green Iron	9808	Ivanpah	Pass
02/13/12	Tom Koning	Bechtel/3MC Trucking	Steel	9908	Ivanpah	Pass
02/13/12	Tom Koning	Bechtel/ATS Trucking	Steel Pipe	11206	Ivanpah	Pass
02/13/12	Vic Gibson	United Rentals	Generators and Truck	65908	Ivanpah	Pass
02/13/12	Tom Koning	Bechtel/Landstar		530703	Ivanpah	Pass
02/13/12	Tom Koning	Bechtel/Landstar	Steel	553770	Ivanpah	Pass
02/13/12	Tom Koning	Bechtel	Steel	102A	Ivanpah	Pass
02/13/12		Sherman Bros./Bechtel	Glass Mirrors		Ivanpah	Pass
02/13/12	M. Thomas	Stage Coach Express	Torque Tubes		Ivanpah	Pass
02/13/12	M. Thomas	WeHunt	Fluid Kinetics		Ivanpah	Pass

02/14/12	Tom Koning	Bechtel/IWI Trucking	Container	385	Ivanpah	Pass
02/14/12	Alex Rylen	Landstar	Roofing Panels		Ivanpah	Pass
02/14/12	Alex Rylen	Morris & Son			Ivanpah	Pass
02/14/12	Alex Rylen	B&L Stewart	Support Arms		Ivanpah	Pass
02/14/12	Alex Rylen		Steel Grates		Ivanpah	Pass
02/14/12	Alex Rylen	Ferny & Sons	Torque Tubes		Ivanpah	Pass
02/14/12	Alex Rylen	Stich Trucking	Spool		Ivanpah	Pass
02/14/12	Alex Rylen	JTS	Pipe Spool		Ivanpah	Pass
02/14/12	Alex Rylen	Sherman Bros./Bechtel	Container		Ivanpah	Pass
02/14/12	Alex Rylen	Intermodal West Inc			Ivanpah	Pass
02/15/12	Tom Koning	Bechtel/JVA Trucking	Diagonal Arm	1	Ivanpah	Pass
02/15/12	Tom Koning	Bechtel/Dedicated Trucking	Welding Rod	4	Ivanpah	Pass
02/15/12	Vic Gibson	Bechtel/Stagecoach	Support arms	7	Ivanpah	Pass
02/15/12	Tom Koning	Bechtel/F Gorrales Trucking	Batteries	69	Ivanpah	Pass
02/15/12	Vic Gibson	Bechtel/P&M	Iron Steel Caps	101	Ivanpah	Pass
02/15/12	Vic Gibson	Motor Sequence Longhaul		313	Ivanpah	Pass
02/15/12	Tom Koning	Bechtel/Sherman	Container	2809	Ivanpah	Pass
02/15/12	Security	Bechtel/United Rental	Tractor	1209051	Ivanpah	Pass
02/15/12	Vic Gibson	Bechtel/Navrros Trucking		L715	Ivanpah	Pass
02/15/12	Tom Koning	Bechtel/Mobile Mini	Storage Vault	MT624	Ivanpah	Pass
02/16/12	Vic Gibson	William Fernandez	Pipe	6	Ivanpah	Pass
02/16/12	Vic Gibson	Active Transportation Service		83	Ivanpah	Pass
02/16/12	Vic Gibson	3MC	Handrail	309	Ivanpah	Pass
02/16/12	Vic Gibson	Westside	Sheet rock	515	Ivanpah	Pass
02/16/12	Vic Gibson	Vegas Trucking	Switch Boards	791	Ivanpah	Pass
02/16/12	Vic Gibson	3MC	Green Steel	2008	Ivanpah	Pass
02/16/12	Vic Gibson	Sherman Bros./Bechtel	Mirrors	2100	Ivanpah	Pass
02/16/12	Vic Gibson	3MC	Green steel	9908	Ivanpah	Pass
02/16/12	Vic Gibson	3MC	Green steel	0211	Ivanpah	Pass
02/16/12	Tom Koning	Bechtel/Fox	Container	CT12	Ivanpah	Pass
02/16/12	Vic Gibson	Harrison Trucking (Fox)		CT49	Ivanpah	Pass
02/16/12	Vic Gibson	Fox	CTC	CT6	Ivanpah	Pass
02/16/12	Tom Koning	Bechtel/Fox	Container	CT77	Ivanpah	Pass
02/16/12	Vic Gibson	Mobile Mini	Storage Container	MT604	Ivanpah	Pass

02/16/12	Alex Rylen	Bechtel/Stagecoach	Torque Tubes		Ivanpah	Pass
02/16/12	Alex Rylen	Bechtel/Landstar	Gear Boxes		Ivanpah	Pass
02/16/12	Alex Rylen	Bechtel/Perry Sons	Container		Ivanpah	Pass
02/16/12	Alex Rylen	Bechtel/Stidham	Rebar		Ivanpah	Pass
02/16/12	Alex Rylen	Bechtel/Golden Wings	Battery Packs		Ivanpah	Pass
02/16/12	Alex Rylen	Bechtel/ATS Trucking	Switch gear		Ivanpah	Pass
02/16/12	Alex Rylen	Bechtel/Fox	Steel Container		Ivanpah	Pass
02/20/12	Rex Malabo	J23 Transport	Stell pipe	564	Ivanpah	Pass
02/20/12	Vic Gibson	Roehl	Boiler	7002	Ivanpah	Pass
02/20/12	Rex Malabo	Admiral Trucking	Steel pipe	100497 & 10050	Ivanpah	Pass
02/20/12	Vic Gibson	Kezo Express	Pipe	108A	Ivanpah	Pass
02/20/12	Nick Virzi	Bechtel Crst Trucking	Steel pipe	W1119M	Ivanpah	Pass
02/21/12	Vic Gibson	JP Transport	Empty trailer	03	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel SINA Trucking	Pylon	5	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel Perry Trucking	Con	34	Ivanpah	Pass
02/21/12	Vic Gibson	Okelberry	Green Steel	47	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel Admiral Trucking	Pipe	55	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel Ruiz Trucking	Steel	64	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel B&L Trucking	Steel	66	Ivanpah	Pass
02/21/12	Nick Virzi	Bechtel/Al Lopez	Steel beams	74	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel MT NEBO Trucking	Steel	104	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel NTN Trucking	Fan Basin	160	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel Boldes Trucking	Torque Tubes	205	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel Imperial Trucking	Bolts nuts	310	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel D&P Trucking	Col	319	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel Dalton Trucking	Transformers	352	Ivanpah	Pass
02/21/12	Vic Gibson	IWT	Worm drives	385	Ivanpah	Pass
02/21/12	Vic Gibson	DST Trucking	Crane	419	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel Westys Trucking	Steel pipe	550	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel J23 Trucking	Coil	564	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel Froilan Trucking	Steel	702	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel STI Trucking	Relay panels	962	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel 3MC Trucking	Steel	2008	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel Fox Trucking	Con	2238	Ivanpah	Pass

02/21/12	Tom Koning	Bechtel Garcia Trucking	Steel	2434	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel Admiral Trucking	Fan	5318	Ivanpah	Pass
02/21/12	Vic Gibson	Roehl	Z Panels	5329	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel Roehl Trucking	Panel	7002	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel 3MC Trucking	Steel	9708	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel Kezo Trucking	Steel	110742	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel Landstar Trucking		414811	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel Landstar Trucking	Steel	435353	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel	Strucheral	553729	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel F&S Trucking	Steel	001	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel B&C Trucking	Steel	001	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel Jesas Trucking	Steel	002	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel Stagecoach	Steel	007	Ivanpah	Pass
02/21/12	Nick Virzi	Bechtel/D&P Trucking	Steel beams	01	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel Stagecoach Trucking	Steel	010	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel J&P Trucking	Steel	03	Ivanpah	Pass
02/21/12	Vic Gibson	Fox	Container	CT02	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel Fox Trucking	Container	CT12	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel Fox Trucking	Container	CT21	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel Fox Trucking	Container	CT22	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel Fox Trucking	Container	CT3	Ivanpah	Pass
02/21/12	Vic Gibson	Fox	Container	CT3	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel Fox Trucking	Con	CT37	Ivanpah	Pass
02/21/12	Vic Gibson	Harrison Trucking	Container	CT49	Ivanpah	Pass
02/21/12	Vic Gibson	Fox	Container	CT52	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel Fox Trucking	Container	CT6	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel Fox Trucking	Container	CT60	Ivanpah	Pass
02/21/12	Nick Virzi	Bechtel/Michael Taylor Trucking	Container	CT72	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel Fox Trucking	Container	CT74	Ivanpah	Pass
02/21/12	Tom Koning	Bechtel FedEx	Remote cabinets	F91105	Ivanpah	Pass
02/22/12	Tom Koning	Bechtel/Miller Trucking	Pump	3	Ivanpah	Pass
02/22/12	Tom Koning	Bechtel/Stagecoach Exp	Steel	005	Ivanpah	Pass
02/22/12	Tom Koning	Bechtel/Stagecoach Exp	Steel	010	Ivanpah	Pass
02/22/12	Tom Koning	Bechtel/Pcast Trucking	Steel	10	Ivanpah	Pass

02/22/12	Tom Koning	Bechtel/Perry Sons	Container	34	Ivanpah	Pass
02/22/12	Tom Koning	Bechtel	E House	56	Ivanpah	Pass
02/22/12	Tom Koning	Bechtel/Contractors Cargo	Steel	71	Ivanpah	Pass
02/22/12	Tom Koning	Bechtel/M.U.S.K. Trucking	Support Arms	285	Ivanpah	Pass
02/22/12	Tom Koning	Bechtel/Ermis Trucking	Steel	297	Ivanpah	Pass
02/22/12	Tom Koning	Bechtel/West Trucking	Water	654	Ivanpah	Pass
02/22/12	Tom Koning	Bechtel/M.A.R. Trucking	Steel	712	Ivanpah	Pass
02/22/12	Vic Gibson	Eguizabal Trucking	Green Steel	777	Ivanpah	Pass
02/22/12	Tom Koning	Bechtel/Velasquez Trucking	Steel	777	Ivanpah	Pass
02/22/12	Tom Koning	Bechtel/Northland Trucking	Coil Sprays	1000	Ivanpah	Pass
02/22/12	Tom Koning	Bechtel/Fox Trucking	Container	2238	Ivanpah	Pass
02/22/12	Tom Koning	Bechtel/Sherman	Container	2809	Ivanpah	Pass
02/22/12	Nick Virzi	Bechtel/Sherman Bros.	Container	2809	Ivanpah	Pass
02/22/12	Tom Koning	Bechtel/Roehl Trans	Steel Fan	8209	Ivanpah	Pass
02/22/12	Tom Koning	Bechtel/3MC Trucking	Steel	9808	Ivanpah	Pass
02/22/12	Tom Koning	Bechtel/3MC Trucking	Steel	9810	Ivanpah	Pass
02/22/12	Tom Koning	Bechtel/Sherman	Container	21002	Ivanpah	Pass
02/22/12	Nick Virzi	Bechtel/Sherman Bros.	Container	21002	Ivanpah	Pass
02/22/12	Jason Seidi	Fox/Bechtel	Container	CT02	Ivanpah	Pass
02/22/12	Tom Koning	Bechtel/Fox Trucking	Container	CT12	Ivanpah	Pass
02/22/12	Nick Virzi	Bechtel/Fox Trucking	Container	CT3	Ivanpah	Pass
02/22/12	Nick Virzi	Bechtel/Harrison Trucking	Container	CT49	Ivanpah	Pass
02/22/12	Tom Koning	Bechtel/Fox Trucking	Container	CT6	Ivanpah	Pass
02/22/12	Tom Koning	Bechtel/Fox Trucking	Container	CT60	Ivanpah	Pass
02/22/12	Tom Koning	Bechtel/Fox Trucking	Container	CT71	Ivanpah	Pass
02/22/12	Tom Koning	Bechtel Fox Trucking	Container	CT73	Ivanpah	Pass
02/22/12	Tom Koning	Bechtel/Fox Trucking	Container	CT77	Ivanpah	Pass
02/22/12	Tom Koning	Bechtel Stiadham Trucking	Rebar	K169	Ivanpah	Pass
02/22/12	Tom Koning	Conco Stidham Trucking	Rebar	K170	Ivanpah	Pass
02/23/12	Tom Koning	Bechtel/J&P Trucking	Pylon	03	Ivanpah	Pass
02/23/12	Tom Koning	Bechtel/Stagecoach	Pylon	5	Ivanpah	Pass
02/23/12	Tom Koning	Bechtel/Sina Trucking	Pylon	5	Ivanpah	Pass
02/23/12	Tom Koning	Bechtel/Perry Sons	Container	34	Ivanpah	Pass
02/23/12	Tom Koning	Bechtel/M.S.S Trucking	Steel Pipe	39	Ivanpah	Pass

02/23/12	Tom Koning	Bechtel/Ruiz Trucking	Pylons	64	Ivanpah	Pass
02/23/12	Tom Koning	Bechtel/Fox Trucking	Container	71	Ivanpah	Pass
02/23/12	Tom Koning	Bechtel/B&B Trucking	Pylon	84	Ivanpah	Pass
02/23/12	Jason Seidi	Bechtel/Focus Trans	Motors/Hardware	121	Ivanpah	Pass
02/23/12	Tom Koning	Bechtel/3MC Trucking	Steel	211	Ivanpah	Pass
02/23/12	Tom Koning	Bechtel/Pinto's	Pylon	362	Ivanpah	Pass
02/23/12	Vic Gibson	Eguizabal Trucking	Green Steel	777	Ivanpah	Pass
02/23/12	Tom Koning	Bechtel/Fox Trucking	Container	2238	Ivanpah	Pass
02/23/12	Vic Gibson	Sherman Bros./Bechtel	Mirror Container	2809	Ivanpah	Pass
02/23/12	Tom Koning	Bechtel/Sherman Trucking	Container	2809	Ivanpah	Pass
02/23/12	Tom Koning	Bechtel/Sherman Trucking	Container	21002	Ivanpah	Pass
02/23/12	Jason Seidi	Bechtel/Fox Trucking	Container	CT12	Ivanpah	Pass
02/23/12	Tom Koning	Bechtel/Fox Trucking	Container	CT22	Ivanpah	Pass
02/23/12	Vic Gibson	Fox	Container	CT3	Ivanpah	Pass
02/23/12	Vic Gibson	Fox	Container	CT3	Ivanpah	Pass
02/23/12	Vic Gibson	Fox	Container	CT49	Ivanpah	Pass
02/23/12	Tom Koning	Bechtel/Fox Trucking	Container	CT6	Ivanpah	Pass
02/23/12	Tom Koning	Bechtel/Fox Trucking	Container	CT73	Ivanpah	Pass
02/23/12	Tom Koning	Bechtel/Fox Trucking	Container	CT77	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Adistondo Trans	Steel	1	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/CR Trucking	Steel	2	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/LV Trucking Express	Steel	3	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Estreya Trans	Torque Tubes	3	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/J&J Trucking	Container/Support Brack	003	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Stagecoach	Torque Tubes	005	Ivanpah	Pass
02/27/12	Rex Malabo	Done & Out Transport	Pallets	005	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Westy's Trucking	Steel Pipe	7	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Stagecoach Exp	Steel Braces	010	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/JD Specialized	Steel Pipe	26	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Perry Sons	Container	34	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/United Bros. Trucking	steel	45	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/JD Specialized	Steel Pipe	49	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Precision Trucking	Container	66	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Fox Trucking	Container	72	Ivanpah	Pass

02/27/12	Nick Virzi	Bechtel/Manitowoc Trans	Steel Pipe	118	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Earl Paddock	Water Pumps	341	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/IWI Trucking	Container	385	Ivanpah	Pass
02/27/12	Rex Malabo	Upland Logistics	Drayale	450	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Mobile Mini	Mobile Unit	604	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Treadstone	Steel	703	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Westy's Trucking	Steel Pipe	711	Ivanpah	Pass
02/27/12	Vic Gibson	Bechtel/Earl Paddock	Polisher	716	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Earl Paddock	Container	751	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/M.S.I.	Container	1445	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Tryon Trucking	Steel Pipe	2221	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Fox Trucking	container	2238	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/System Trans	Steel	2626	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Sherman Bros.	Container	2809	Ivanpah	Pass
02/27/12	Vic Gibson	Sherman Bros./Bechtel	Mirrors	2809	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Transit Services Inc	Steel	4709	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Maxim Crane Works	Crane	5418	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Roehl Trans	solar panels	7677	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/3MC	Steel	9708	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Sherman Bros.	Container	21002	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Landstar	Steel	412190	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Landstar	Container	415116	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Landstar	Condensers in containers	549838	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Landstar	Power Pumps	552198	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Landstar	Container/Steel	801429	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Fox Trucking	container	CT12	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Fox Trucking	Container	CT22	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Fox Trucking	Container	CT24	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Fox Trucking	Container	CT3	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Fox Trucking	Container	CT33	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Fox Trucking	Container	CT38	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Fox Trucking	container	CT44	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Harrison Trucking	Container	CT49	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/DBA Trucking	container	CT6	Ivanpah	Pass

02/27/12	Nick Virzi	Bechtel/Fox Trucking	Container	CT77	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/OCE	Steel	HT20	Ivanpah	Pass
02/27/12	Nick Virzi	Bechtel/Tryon Trucking	Steel Pipe	KW3	Ivanpah	Pass
02/28/12	Nick Virzi	Bechtel/Stagecoach	Torque Tubes	005	Ivanpah	Pass
02/28/12	Nick Virzi	Bechtel/Perry Sons	Container	34	Ivanpah	Pass
02/28/12	Nick Virzi	Bechtel/IWI Trucking	Container	385	Ivanpah	Pass
02/28/12	Tom Koning	Bechtel/L & G Trucking	Steel	702	Ivanpah	Pass
02/28/12	Tom Koning	Bechtel/Fox Trucking	Container	2238	Ivanpah	Pass
02/28/12	Nick Virzi	Bechtel/SBI	Container	2809	Ivanpah	Pass
02/28/12	Vic Gibson	Fox	Mirrors	2809	Ivanpah	Pass
02/28/12	Nick Virzi	Bechtel/Roehl	solar panels	5704	Ivanpah	Pass
02/28/12	Nick Virzi	Bechtel/3MG	Steel	9810	Ivanpah	Pass
02/28/12	Tom Koning	Bechtel/Sherman Trucking	container	21002	Ivanpah	Pass
02/28/12	Nick Virzi	Bechtel/SBI	Container	21002	Ivanpah	Pass
02/28/12	Nick Virzi	Bechtel/Landstar	Vent	38132	Ivanpah	Pass
02/28/12	Tom Koning	Bechtel/Landstar	Fan	413537	Ivanpah	Pass
02/28/12	Nick Virzi	Bechtel/Landstar	Vacuum Equipment	414468	Ivanpah	Pass
02/28/12	Vic Gibson	Conway		532-1089	Ivanpah	Pass
02/28/12	Nick Virzi	Bechtel/Fox	Container	CT12	Ivanpah	Pass
02/28/12	Nick Virzi	Bechtel/Fox	Container	CT3	Ivanpah	Pass
02/28/12	Nick Virzi	Bechtel/Fox Trucking	Container	CT44	Ivanpah	Pass
02/28/12	Vic Gibson	Bechtel/Fox Trucking		CT49	Ivanpah	Pass
02/28/12	Tom Koning	Bechtel/Fox Trucking	Container	CT69	Ivanpah	Pass
02/28/12	Tom Koning	Bechtel/Fox Trucking	Container	CT73	Ivanpah	Pass
02/28/12	Tom Koning	Bechtel/Fox Trucking	Container	CT77	Ivanpah	Pass
02/28/12	Nick Virzi	Bechtel/Fox Trucking	Container	CT77	Ivanpah	Pass
02/28/12	Nick Virzi	Bechtel/Stidham Trucking	Rebar	K177	Ivanpah	Pass
02/28/12	Tom Koning	Bechtel/Perry Sons	Container		Ivanpah	Pass
02/29/12	Tom Koning	Bechtel/Stagecoach	Steel	002	Ivanpah	Pass
02/29/12	Tom Koning	Bechtel/RST Trans	Steel House	18	Ivanpah	Pass
02/29/12	Tom Koning	Bechtel/Viper Trans	Cement	54	Ivanpah	Pass
02/29/12	Tom Koning	Bechtel/Melton	Steel	54	Ivanpah	Pass
02/29/12	Jason Seidi	Bechtel/Select Shippers	Steel	102	Ivanpah	Pass
02/29/12	Tom Koning	Bechtel/Westy's Trucking	Steel Pipe	331	Ivanpah	Pass

02/29/12	Tom Koning	Bechtel/Paddock	Steel	783	Ivanpah	Pass
02/29/12	Tom Koning	Bechtel/Jasper	Steel	1120	Ivanpah	Pass
02/29/12	Tom Koning	Bechtel/DDS Trucking		1704	Ivanpah	Pass
02/29/12	Tom Koning	Bechtel/Sherman	Container	2809	Ivanpah	Pass
02/29/12	Tom Koning	Bechtel/3MC Trucking	Steel	9808	Ivanpah	Pass
02/29/12	Tom Koning	Bechtel/Sherman Trucking	Container	21002	Ivanpah	Pass
02/29/12	Tom Koning	Bechtel/Sherman Trucking	container	21008	Ivanpah	Pass
02/29/12	Tom Koning	Bechtel/Sherman	Container	21013	Ivanpah	Pass
02/29/12	Tom Koning	Bechtel/Landstar	Pipe	451672	Ivanpah	Pass
02/29/12	Tom Koning	Bechtel/Fox Trucking	Container	CT77	Ivanpah	Pass
02/29/12	Tom Koning	Bechtel/Mobile Mini	Container	MT604	Ivanpah	Pass
03/05/12	Nick Virzi	Bechtelnsport/J & P tr	Torque Tubes	3	Ivanpah	Pass
03/05/12	Nick Virzi	BECTEL/RB TRANSPORTATION	SCAFFOLDING	1001	Ivanpah	Pass
03/05/12	Nick Virzi	BECHTEL/EH TRUCKING	Torque Tubes	297	Ivanpah	Pass
03/05/12	Nick Virzi	BECHTEL/AULIS TRANSPORT	STEEL	101	Ivanpah	Pass
03/05/12	Nick Virzi	BECHTEL/JJJ TRANSPORT	Torque Tubes	5	Ivanpah	Pass
03/05/12	Nick Virzi	BECHTEL/ZEEL TRANSPORT	STEEL	713	Ivanpah	Pass
03/05/12	Nick Virzi	BECHTEL/STICH TRUCKING	STEEL PIPE	37	Ivanpah	Pass
03/05/12	Nick Virzi	BECHTEL/JTS EXPRESS	STEEL PIPE	L600	Ivanpah	Pass
03/05/12	Nick Virzi	BECHTEL/GILLIES TRUCKING	REBAR	111	Ivanpah	Pass
03/05/12	Nick Virzi	BECHTEL/ACC TRUCKING	SUPPORT ARMS	2	Ivanpah	Pass
03/05/12	Nick Virzi	BECHTEL/HAMERDOWN EXPRESS	STEEL	104	Ivanpah	Pass
03/05/12	Nick Virzi	BECHTEL/R&DJ TRUCKING	STEEL	2	Ivanpah	Pass
03/05/12	Nick Virzi	BECHTEL/ROEHL	STEEL UNITS	5542	Ivanpah	Pass
03/05/12	Nick Virzi	BECHTEL/jm TRUCKING	STEEL	77	Ivanpah	Pass
03/05/12	Nick Virzi	BECHTEL/R. CORNWELL TRUCKING	STEEL	7	Ivanpah	Pass
03/05/12	Nick Virzi	BECHTEL/STAGECOACH	Torque Tubes	7	Ivanpah	Pass
03/05/12	Nick Virzi	BECHTEL	STEEL PIPES	874	Ivanpah	Pass
03/05/12	Nick Virzi	Bechtel/TCI Trans	TRANSFORMERS	671	Ivanpah	Pass
03/05/12	Nick Virzi	BECHTEL/STAGECOACH	Torque Tubes	6	Ivanpah	Pass
03/05/12	Nick Virzi	Bechtel/Eastern Exp	STEEL PIPE	650260	Ivanpah	Pass
03/05/12	Nick Virzi	BECHTEL/LANDSTAR	STRUCTURAL STEEL	733635	Ivanpah	Pass
03/05/12	Nick Virzi	BECHTEL/AC TRUCKING	STRUCTURAL STEEL	3	Ivanpah	Pass
03/05/12	Nick Virzi	BECHTEL/LANDSTAR	SUPPORT ARMS	530735	Ivanpah	Pass

03/05/12	Nick Virzi	BECHTEL/CRST	PUMPS	W1272M	Ivanpah	Pass
03/05/12	Nick Virzi	BECHTEL/TWEEDY	STRUCTURAL STEEL	979	Ivanpah	Pass
03/05/12	Nick Virzi	Bechtel/Landstar	STEEL PIPE	531848	Ivanpah	Pass
03/05/12	Nick Virzi	Bechtel/Landstar	STEEL PIPE	537101	Ivanpah	Pass
03/05/12	Nick Virzi	BECHTEL/CRST	SCAFFOLDING	W1225M	Ivanpah	Pass
03/05/12	Nick Virzi	BECHTEL/LAYNE TRANSPORTCHT	STEEL PIPE	125	Ivanpah	Pass
03/05/12	Nick Virzi	BECHTEL/LANdstar	STEEL	544426	Ivanpah	Pass
03/05/12	Tom Koning	BECHTEL/CARCIA TRUCKING	SUPPORT	2005	Ivanpah	Pass
03/05/12	Nick Virzi	Bechtel/Landstar	STEEL	554229	Ivanpah	Pass
03/05/12	Nick Virzi	BECHTEL/TREADSTONE	STEEL PIPE	704	Ivanpah	Pass
03/07/12	Tom Koning	BECHTEL/SRS TRUCKING	REBAR	70	Ivanpah	Pass
03/07/12	Tom Koning	BECHTEL/FOX TRUCKING	CONTAINER	CT44	Ivanpah	Pass
03/07/12	Tom Koning	BECHTEL/TRAVELERS TRUCKING	CONTAINER	54	Ivanpah	Pass
03/08/12	Tom Koning	BECHTEL/ZAMORA TRUCKING	SUPPORT ARMS	12	Ivanpah	Pass
03/08/12	Tom Koning	BECHTEL/BENIT TRUCKING	HEAT EXCHANGER	208359	Ivanpah	Pass
03/08/12	Jason Seidi	BECHTEL/FOX	CONTAINER	6	Ivanpah	Pass
03/08/12	Tom Koning	BECHTEL/3MC TRUCKING	STEEL	211	Ivanpah	Pass
03/08/12	Tom Koning	BECHTEL/MORALES TRUCKING	PYLON	6	Ivanpah	Pass
03/08/12	Jason Seidi	BECHTTEL/FOX	CONTAINER	CT12	Ivanpah	Pass
03/08/12	Jason Seidi	BECHTEL/VELAZQUEZ	GENERATOR	727	Ivanpah	Pass
03/08/12	Jason Seidi	BECHTEL/ESTRENOS	PYLONS	1	Ivanpah	Pass
03/08/12	Jason Seidi	BECHTEL/FOX	CONTAINER	69	Ivanpah	Pass
03/08/12	Jason Seidi	BECHTEL/FOX	CONTAINER	2238	Ivanpah	Pass
03/08/12	Tom Koning	BECHTEL/HARRIS REBA Trucking	REBAR	109	Ivanpah	Pass
03/08/12	Tom Koning	BECHTEL /JENSEN PRECAST	PRECAST	79	Ivanpah	Pass
03/08/12	Tom Koning	BECHTEL/FOX	CONTAINER	44	Ivanpah	Pass
03/08/12	Jason Seidi	BECHTELROEHL	HARDWARE	7165	Ivanpah	Pass
03/08/12	Jason Seidi	BECHTEL/FOX	CONTAINER	CT3	Ivanpah	Pass
03/08/12	Jason Seidi	BECHTEL/BLUE OX	PIPE	797	Ivanpah	Pass
03/08/12	Jason Seidi	BECHTEL/FOX	CONTAINER	CT02	Ivanpah	Pass
03/08/12	Tom Koning	BECHTEL/FOX	CONTAINER	CT73	Ivanpah	Pass
03/08/12	Tom Koning	BECHTEL/JENSEN	PRECAST	98	Ivanpah	Pass
03/08/12	Tom Koning	BECHTEL /BREEZE TRUCKING	PYLON	3	Ivanpah	Pass
03/08/12	Tom Koning	BECHTEL/AL TRUCKING	TORQUE TUBES	3	Ivanpah	Pass

03/08/12	Tom Koning	BECHTEL	STEEL	1	Ivanpah	Pass
03/08/12	Tom Koning	BECHTEL/FUTURA TRUCKING	PYLON	3	Ivanpah	Pass
03/08/12	Tom Koning	BECHTEL/ORTEGA TRUCKING	PYLON	2	Ivanpah	Pass
03/08/12	Tom Koning	BECHTEL/FRANSISCO TRUCKING	PYLON	725	Ivanpah	Pass
03/08/12	Tom Koning	BECHTEL/LUNAS TRUCKING	REMOTE HUP	1	Ivanpah	Pass
03/08/12	Tom Koning	BECHTEL/STAGECOACH TRUCK	SUPPORT ARMS	10	Ivanpah	Pass
03/08/12	Tom Koning	BECHTEL/PERRY TRUCKING	CONTAINER	34	Ivanpah	Pass
03/08/12	Tom Koning	BECHTEL/M.C. TRUCKING	STEEL	4	Ivanpah	Pass
03/12/12	Nick Virzi	BECHTEL/FOX	CONTAINER	34	Ivanpah	Pass
03/12/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT73	Ivanpah	Pass
03/12/12	Nick Virzi	BECHTEL/ROEHL	PANELS	4475	Ivanpah	Pass
03/12/12	Nick Virzi	BECHTEL/WESTYS	STEEL PIPE	811	Ivanpah	Pass
03/12/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT37	Ivanpah	Pass
03/12/12	Nick Virzi	BECHTEL/RELEX LLC	STEEL	101	Ivanpah	Pass
03/12/12	Nick Virzi	BECHTEL/ROEHL	PANELS	775	Ivanpah	Pass
03/13/12	Nick Virzi	BECHTEL/PERRY & SONS	CONTAINER	34	Ivanpah	Pass
03/13/12	Nick Virzi	Bechtel/J&J Trucking	TORQUE TUBES	666	Ivanpah	Pass
03/13/12	Nick Virzi	BECHTEL/STAGECOACH	TORQUE TUBES	10	Ivanpah	Pass
03/13/12	Nick Virzi	BECHTEL/ROEHL	PANELS	4564	Ivanpah	Pass
03/13/12	Nick Virzi	BECHTEL/INGOM TRUC	SUPPORT ARMS	77	Ivanpah	Pass
03/13/12	Nick Virzi	BECHTEL/WESTY	STEEL PIPES	L600	Ivanpah	Pass
03/13/12	Tom Koning	BECHTEL/FOX TRUCKING	CONTAINER	A395	Ivanpah	Pass
03/13/12	Tom Koning	BECHTEL/FOX TRUCKING	CONTAINER	CT85	Ivanpah	Pass
03/13/12	Nick Virzi	BECHTEL/L&M TRUCKING	PYLONS	5	Ivanpah	?
03/13/12	Nick Virzi	BECHTEL/ROEHL	PANELS	5483	Ivanpah	Pass
03/13/12	Nick Virzi	BECHTEL/SQUIRES LUMBER	LUMBER	216	Ivanpah	Pass
03/13/12	Nick Virzi	BECHTEL/K&K ENTERPRISES	TORQUE TUBES	64	Ivanpah	Pass
03/13/12	Nick Virzi	BECHTEL/STAGECOACH	SUPPORT TUBES	7	Ivanpah	Pass
03/13/12	Nick Virzi	BECHTEL/FOX	CONTAINER	44	Ivanpah	Pass
03/13/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT77	Ivanpah	Pass
03/13/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT6	Ivanpah	Pass
03/13/12	Nick Virzi	Bechtel/IWI Trucking	CONTAINER	385	Ivanpah	Pass
03/13/12	Nick Virzi	BECHTEL/FOX	CONTAINER	12	Ivanpah	Pass
03/13/12	Nick Virzi	BECHTEL/PAUL DELONG HH	PANELS	NONE	Ivanpah	Pass

03/13/12	Tom Koning	BECHTEL/B&L STEWART	STEEL	569	Ivanpah	Pass
03/13/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT2	Ivanpah	Pass
03/14/12	Tom Koning	BECHTEL/BCA TRUCKING	STEEL	1	Ivanpah	Pass
03/14/12	Tom Koning	BECHTEL	WOOD	18	Ivanpah	Pass
03/14/12	Tom Koning	BECHTEL/MAR TRUCKING	PYLON	712	Ivanpah	Pass
03/14/12	Tom Koning	BECHTEL/SQUIRES TRUCKING	WOOD	216	Ivanpah	Pass
03/14/12	Tom Koning	BECHTEL/PERRY TRUCKING	CONTAINER	24	Ivanpah	Pass
03/14/12	Tom Koning	BECHTEL/GAD TRUCKING	PYLON	921	Ivanpah	Pass
03/14/12	Tom Koning	BECHTEL/JMB TRUCKING	PYLON	7	Ivanpah	Pass
03/14/12	Tom Koning	BECHTEL/M7M TRUCKING	SUPPORT ARMS	7	Ivanpah	Pass
03/14/12	Tom Koning	BECHTEL/STAGECOACH TRUCKING	SUPPORT ARMS	10	Ivanpah	Pass
03/14/12	Jason Seidi	BECHTEL/INTMODAL WEST	CONTAINER	385	Ivanpah	Pass
03/14/12	Tom Koning	BECHTEL/VIPER TRUCKING	Cement colums	54	Ivanpah	Pass
03/14/12	Tom Koning	BECHTEL/COBRA TRUCKING	Cement colums	6000	Ivanpah	Pass
03/14/12	Tom Koning	BECHTEL/SAAVOIE TRUCKING	CEMT PIPE	4	Ivanpah	Pass
03/14/12	Jason Seidi	BECHTEL/HERRENTRENS	STEEL BEAMS	134	Ivanpah	Pass
03/14/12	Tom Koning	BECHTEL/FBRD TRUCKING	PYLON	236	Ivanpah	Pass
03/14/12	Tom Koning	BECHTEL/FOX TRUCKING	CONTAINER	CT44	Ivanpah	Pass
03/14/12	Tom Koning	BECHTEL/SAHAX TRUCKING	NONE	180	Ivanpah	Pass
03/14/12	Tom Koning	BECHTEL/ALL FREIGHT	PAP BOX	7	Ivanpah	Pass
03/14/12	Tom Koning	BECHTEL/TZONE TRUCKING	DIAGONAL PALLET	171	Ivanpah	Pass
03/14/12	Jason Seidi	BECHTEL/RODRIQUEZ TRANS	CEMENT BAGS	3995	Ivanpah	Pass
03/14/12	Tom Koning	BECHTEL/FOX TRUCKING	CONTAINER	CT10	Ivanpah	Pass
03/15/12	Tom Koning	BECHTEL/FOX	CONTAINER	CT73	Ivanpah	Pass
03/15/12	Tom Koning	BECHTEL/ROEHL TRUCKING	PANEL	5156	Ivanpah	Pass
03/15/12	Tom Koning	BECHTEL/ROEHL TRUCKING	PANEL	5952	Ivanpah	Pass
03/15/12	Tom Koning	BECHTEL/SPIKE TRUCKING	SEAL PLATES	8	Ivanpah	Pass
03/15/12	Tom Koning	BECHTEL/STAGECOACH	SUPPORT ARMS	10	Ivanpah	Pass
03/15/12	Tom Koning	BECHTEL/LAVOIE TRUCKING	CEMENT PIPES	4	Ivanpah	Pass
03/15/12	Tom Koning	BECHTEL/PIAZZA TRUCKING	ELECTRIC MOTORS	123	Ivanpah	Pass
03/15/12	Tom Koning	BECHTEL/RLT TRUCKING	STEEL	3	Ivanpah	Pass
03/15/12	Tom Koning	BECHTEL PERRY TRUCKING	CONTAINER	34	Ivanpah	Pass
03/15/12	Tom Koning	BECHTEL/COBRA TRUCKING	CEMENT	6000	Ivanpah	Pass
03/15/12	Tom Koning	BECHTEL/VIPER TRUCKING	CEMENT COLUMNS	54	Ivanpah	Pass

03/15/12	Tom Koning	BECHTEL/SQUIRES TRUCKING	WOOD	?	Ivanpah	Pass
03/15/12	Tom Koning	BECHTEL/FOX TRUCKING	CONTAINER	CT69	Ivanpah	Pass
03/15/12	Jason Seidi	BECHTEL/TRAMCOR	HARDWARE	382	Ivanpah	Pass
03/15/12	Jason Seidi	BECHTEL/FOX	CONTAINER	85	Ivanpah	Pass
03/15/12	Jason Seidi	BECHTEL/FOX	CONTAINER	44	Ivanpah	Pass
03/15/12	Jason Seidi	BECHTEL/LV TRUCKING	BEAMS	2161736	Ivanpah	Pass
03/15/12	Tom Koning	BECHTEL/FOX TRUCKING	CONTAINER	CT12	Ivanpah	Pass
03/15/12	Tom Koning	BECHTEL/FOX TRUCKING	CONTAINER	CT6	Ivanpah	Pass
03/15/12	Tom Koning	BECHTEL/LV TRUCKING	STEEL	2	Ivanpah	Pass
03/15/12	Tom Koning	BECHTEL/FOX TRUCKING	CONTAINER	2238	Ivanpah	Pass
03/15/12	Tom Koning	BECHTEL/STAGECOACH	STEEL	5	Ivanpah	Pass
03/15/12	Tom Koning	BECHTEL/TREADSTONE TRUCKING	STEEL	703	Ivanpah	Pass
03/15/12	Tom Koning	BECHTEL	BLAST PANEL	7262	Ivanpah	Pass
03/15/12	Tom Koning	BECHTEL/FOX TRUCKING	CONTAINER	CT3	Ivanpah	Pass
03/15/12	Tom Koning	CONOCO/STIDHAM TRUCKING	REABR	K88	Ivanpah	Pass
03/19/12	Nick Virzi	F.E.MORAN/PONCE TRUCK	FIRE PIPES	2	Ivanpah	Pass
03/19/12	Nick Virzi	BECHTEL/FOX	CONTAINER	34	Ivanpah	Pass
03/19/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT73	Ivanpah	Pass
03/19/12	Nick Virzi	BECHTEL/LANDSTAR	STRUCTURAL STEEL	552822	Ivanpah	Pass
03/19/12	Nick Virzi	BECHTEL/MERCER	HYDRAULIC LIFTS	9855	Ivanpah	Pass
03/19/12	Nick Virzi	BECHTEL/MTN FREIGHT	STEEL	444	Ivanpah	Pass
03/19/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT43	Ivanpah	Pass
03/19/12	Nick Virzi	BECHTEL/PRECISION TRUCK	FEUL GAS SEPARATOR	215	Ivanpah	Pass
03/19/12	Nick Virzi	BECHTEL/BRADLEY TRANS	TORQUE TUBES	121	Ivanpah	Pass
03/19/12	Nick Virzi	BECHTEL/STAGECOACH	TORQUE TUBES	10	Ivanpah	Pass
03/19/12	Nick Virzi	BECHTEL/RENAISSANCE TRUCK	SCAFFOLDING	387387	Ivanpah	Pass
03/19/12	Nick Virzi	CONOCO/STIDHAM TRUCKING	CONTAINER	CT85	Ivanpah	Pass
03/19/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT44	Ivanpah	Pass
03/19/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT6	Ivanpah	Pass
03/19/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT87	Ivanpah	Pass
03/19/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT12	Ivanpah	Pass
03/19/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT02	Ivanpah	Pass
03/19/12	Nick Virzi	BECHTEL/PAUL PELONG H.H.	STEEL PANELS	47517A	Ivanpah	Pass
03/19/12	Nick Virzi	BECHTEL/CUSTOM FARM LLC	PANELS	31	Ivanpah	Pass

03/19/12	Nick Virzi	BECHTEL COBRA TRUCK	CONCRETE SLABS	6000	Ivanpah	Pass
03/19/12	Nick Virzi	BECHTEL/VIPER	CONCRETE SLABS	54	Ivanpah	Pass
03/19/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT3	Ivanpah	Pass
03/19/12	Nick Virzi	BECHTEL/NEVAL TRUCKING	CONTAINER	112	Ivanpah	Pass
03/19/12	Nick Virzi	BECHTEL/PARKS COX TRUCKI	ROOFING	152	Ivanpah	Pass
03/19/12	Nick Virzi	BECHTEL/TWEEDY TRANSPORT	STEEL	230	Ivanpah	Pass
03/19/12	Nick Virzi	BECHTEL/LANDSTAR	PIPING	10	Ivanpah	Pass
03/19/12	Nick Virzi	BECHTEL/WESTYS	STEEL PIPE	331	Ivanpah	Pass
03/19/12	Nick Virzi	BECHTEL/LTI	ECONOMIZER	4170	Ivanpah	Pass
03/20/12	Nick Virzi	Bechtel/Fox	container	34	Ivanpah	Pass
03/20/12	Nick Virzi	Bechtel/Garcia Transport	support arms	1	Ivanpah	Pass
03/20/12	Nick Virzi	Bechtel/Roehl	PANELS	7132	Ivanpah	Pass
03/20/12	Nick Virzi	BECHTEL/BREEZE TRUCKING	PYLONS	3	Ivanpah	Pass
03/20/12	Nick Virzi	BECHTEL/ROEHL	PANELS	8641	Ivanpah	Pass
03/20/12	Nick Virzi	BECHTEL.SINA TRANSPORT	PYLONS	712	Ivanpah	Pass
03/20/12	Nick Virzi	BECHTEL/AY TRANSPORT	support arms	L1	Ivanpah	Pass
03/20/12	Nick Virzi	BECHTEL/BARIENTOS TRUCKING	PYLONS	435	Ivanpah	Pass
03/20/12	Nick Virzi	BECHTEL/ZEAL TRANSPORT	STEEL	2T77	Ivanpah	Pass
03/20/12	Nick Virzi	BECHTEL/ZEAL TRANSPORT	STEEL	ZTO77	Ivanpah	Pass
03/20/12	Nick Virzi	BECHTEL/LANDSTAR	STEEL TANK	529695	Ivanpah	Pass
03/20/12	Nick Virzi	BECHTEL/CR TRANSPORTS	DIAGONALS	2	Ivanpah	Pass
03/20/12	Nick Virzi	BECHTEL/3MC	STEEL	211	Ivanpah	Pass
03/20/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT6	Ivanpah	Pass
03/20/12	Nick Virzi	BECHTEL/FOX	CONTAINER	2238	Ivanpah	Pass
03/20/12	Nick Virzi	BECHTEL/M&M TRANSPORT	SUPPORT ARMS	7	Ivanpah	Pass
03/20/12	Nick Virzi	Bechtel/IWI Trucking	CONTAINER	385	Ivanpah	Pass
03/20/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT85	Ivanpah	Pass
03/20/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT77	Ivanpah	Pass
03/20/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT69	Ivanpah	Pass
03/20/12	Nick Virzi	BECHTEL/B&L STEWART	SUPPORT ARMS	557	Ivanpah	Pass
03/20/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT79	Ivanpah	Pass
03/20/12	Nick Virzi	BECHTEL/HAY CONNECTION	HAY	32	Ivanpah	Pass
03/20/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT12	Ivanpah	Pass
03/20/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT3	Ivanpah	Pass

03/20/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT44	Ivanpah	Pass
03/20/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT02	Ivanpah	Pass
03/20/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT02	Ivanpah	Pass
03/21/12	Tom Koning	BECHTEL/CURTIS TRUCKING	COLD ROLL	T2	Ivanpah	Pass
03/21/12	Tom Koning	BECHTEL/FOX	CONTAINER	3	Ivanpah	Pass
03/21/12	Tom Koning	BECHTEL/FOX	CONTAINER	44	Ivanpah	Pass
03/21/12	Tom Koning	BECHTEL/P.R.E. TRUCKING	BATTERY PARTS	3176	Ivanpah	Pass
03/21/12	Tom Koning	BECHTEL/M&R. TRUCKING	CONTAINER	A390	Ivanpah	Pass
03/21/12	Tom Koning	BECHTEL/M&R. TRUCKING	CONTAINER	A391	Ivanpah	Pass
03/21/12	Tom Koning	BECHTEL/FOX TRUCKING	CONTAINER	CT12	Ivanpah	Pass
03/21/12	Tom Koning	BECHTEL/FOX TRUCKING	CONTAINER	CT85	Ivanpah	Pass
03/21/12	Jason Seidi	BECHTEL/GAT TRANS	TUBES	921	Ivanpah	Pass
03/21/12	Jason Seidi	BECHTEL/CALKO	CONTAINER	63	Ivanpah	Pass
03/21/12	Jason Seidi	BECHTEL/ALLISON TRUCKING	WOOD	552	Ivanpah	Pass
03/21/12	Jason Seidi	BECHTEL/FOX	CONTAINER	6	Ivanpah	Pass
03/21/12	Jason Seidi	BECHTEL/TWO BROTHERS TRUCKI	BUR5944	102	Ivanpah	Pass
03/21/12	Tom Koning	BECHTEL/TRANSPORT TRUCKING	SUPPORT ARMS	11	Ivanpah	Pass
03/21/12	Tom Koning	BECHTEL/EGUIZABAL TRUCKING	PYLON	777	Ivanpah	Pass
03/21/12	Tom Koning	BECHTEL/PERRY TRUCKING	CONTAINER	34	Ivanpah	Pass
03/21/12	Tom Koning	BECHTEL/COBRA TRUCKING	CEMENT	6000	Ivanpah	Pass
03/21/12	Tom Koning	BECHTEL/ESTRELLA TRUCKING	TORQUE TUBES	15	Ivanpah	Pass
03/21/12	Tom Koning	BECHTEL/M&R. TRUCKING	CONTAINER	A392	Ivanpah	Pass
03/21/12	Tom Koning	BECHTEL/ALVAREZ TTRUCKING	support arms	1	Ivanpah	Pass
03/21/12	Tom Koning	BECHTEL/	PIVOT ARM ASSY	11	Ivanpah	Pass
03/21/12	Tom Koning	BECHTEL/PARA TRUCKING	GALVANIZED STEEL	501	Ivanpah	Pass
03/21/12	Tom Koning	BECHTEL/PLATINO TRUCKING	BURLUBE	24	Ivanpah	Pass
03/21/12	Tom Koning	BECHTEL/J&W TRUCKING	PYLON	666	Ivanpah	Pass
03/21/12	Tom Koning	BECHTEL/CONGO/STIDHAM	REBAR	K167	Ivanpah	Pass
03/22/12	Jason Seidi	BECHTEL/SAINT GOLBIN	CONTAINER	595164	Ivanpah	Pass
03/22/12	Jason Seidi	BECHTEL/FOX	CONTAINER	2238	Ivanpah	Pass
03/22/12	Jason Seidi	BECHTEL/3MC	STEEL BEAMS	511	Ivanpah	Pass
03/22/12	Tom Koning	BECHTEL/FOX TRUCKING	CONTAINER	CT69	Ivanpah	Pass
03/22/12	Jason Seidi	BECHTEL/PLAZA TRANSPORT	TRANSFORMERS	80161	Ivanpah	Pass
03/22/12	Jason Seidi	BECHTEL/ES TRANSPORT	STEEL BARS	23	Ivanpah	Pass

03/22/12	Jason Seidi	BECHTEL/DCN C TRANSPORT	CAT WALK	522	Ivanpah	Pass
03/22/12	Jason Seidi	BECHTEL/MONTANA EXP	CONTAINER	519382	Ivanpah	Pass
03/22/12	Jason Seidi	BECHTEL/HAY CONNECTION	HAY	22	Ivanpah	Pass
03/22/12	Tom Koning	BECHTEL/CORZO TRUCKING	WOOD	236	Ivanpah	Pass
03/22/12	Tom Koning	BECHTEL/AY TRUCKING	SUPPORT ARMS	L-1	Ivanpah	Pass
03/22/12	Tom Koning	BECHTEL/COBRA TRUCKING	CEMMENT	6000	Ivanpah	Pass
03/22/12	Tom Koning	BECHTEL/JROC TRUCKING	STEEL PIPE	7	Ivanpah	Pass
03/22/12	Jason Seidi	BECHTEL/KDC TRUCKING	STEEL FRMAE	52	Ivanpah	Pass
03/23/12	Jason Seidi	BECHTEL/SAINT GOLBIN	CONTAINER	595164	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/HEDGE&HERBERG	STEEL PIPE	1	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/LANDSTAR	STEEL	554574	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT44	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/LANDSTAR	PANELS	4073	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/KRISTOFFERSON	CRATES	CT-33	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/LANDSTAR	PANELS	4073	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/HCS TRANSPORT	CRATES	815	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/GRILEY AIR FREIGHT	CRATES	709	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/GRILEY AIR FREIGHT	CRATES	679	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/LANDSTAR	STEEL	413360	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/FOX	CONTAINER	2238	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/ABC TRANSPORT	SCAFFOLDING	23	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/CHAVEZ TRUCKING	SCAFFOLDING	9	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/3MC	STEEL	9908	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/STAGECOACH	TORQUE TUBES	7	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/BLACK ROSE TRUCKING	SCAFFOLDING	BR-5	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/FRANCO ROSE TRUCK	SCAFFOLDING	1015	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/MASON TRUCKING	STEEL PIPING	246	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/GREAT WIDE	STEEL	868023	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/STARWAY	TORQUE TUBES	25	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/SOUTHTRANSAUTO	STEEL PIPE	968	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL.BEE HAUOIN	STEEL	79	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/B&D TRUCKING	SCAFFOLDING	13	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/SHEPERD TRUCKING	SCAFFOLDING	5	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/SQUIRES LUMBER	LUMBER	216	Ivanpah	Pass

03/26/12	Nick Virzi	BECHTEL/ROEHL	PANELS	5951	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/ROEHL	PANELS	7936	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/LANDSTAR	DIAGONALS	551690	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/LANDSTAR	GANG BOXES	414131	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/CERNA TRANSPORT	PIPE VALVES	1	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/LANDSTAR	STEEL	414641	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/LANDSTAR	STEEL	414640	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/WESTYS	STEEL PIPE	L600	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/LANDSTAR	STEEL PIPE	529475	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/LANDSTAR	STEEL PIPE	540143	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/ROEHL	PANELS	8457	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/ABC TRANSPORT	SCAFFOLDING	2009	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/TREADSTONE	STEEL	705	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/FIDELITY	INSULATED TUBE	505	Ivanpah	Pass
03/26/12	Nick Virzi	BECHTEL/INFINITY	STEEL	357	Ivanpah	Pass
03/26/12	Nick Virzi	CROWN FENCE/TWO BROS TRUCK	TURTLE FENCE	102	Ivanpah	Pass
03/26/12	Nick Virzi	CONOCO/STIDHAM TRUCKING	REBAR	K178	Ivanpah	Pass
03/27/12	Nick Virzi	BECHTEL/ZEAL TRANSPORT	STEEL	777	Ivanpah	Pass
03/27/12	Nick Virzi	BECHTEL/WESTYS	STEEL PIPE	331	Ivanpah	Pass
03/27/12	Nick Virzi	BECHTEL/MONTEJANO TRUCK	PLASTIC CONTAINER	1	Ivanpah	Pass
03/27/12	Nick Virzi	BECHTEL/COMBINED TRANSPORT	PUMP	2679	Ivanpah	Pass
03/27/12	Nick Virzi	BECHTEL/INTERNATIONAL WEST	CONTAINER	376	Ivanpah	Pass
03/27/12	Nick Virzi	BECHTEL/ROEHL	PANELS	4069	Ivanpah	Pass
03/27/12	Nick Virzi	BECHTEL/GSL LOGISITCS	PALLETS	105	Ivanpah	Pass
03/27/12	Nick Virzi	BECHTEL/WAYNES TRUCKING	SCAFFOLDING	923	Ivanpah	Pass
03/27/12	Nick Virzi	BECHTEL/BHAULING	SCAFFOLDING	24	Ivanpah	Pass
03/27/12	Nick Virzi	BECHTEL/LANDSTAR	STEEL	536340	Ivanpah	Pass
03/27/12	Nick Virzi	BECHTEL/FOX TRUCKING	CONTAINER	CT39	Ivanpah	Pass
03/27/12	Nick Virzi	BECHTEL/FREIGH IT	STEEL	511	Ivanpah	Pass
03/27/12	Nick Virzi	BECHTEL/WOODS TRUCKING	STEEL	86	Ivanpah	Pass
03/27/12	Nick Virzi	BECHTEL/WOODS TRUCKING	STEEL	84	Ivanpah	Pass
03/27/12	Nick Virzi	BECHTEL/LANDSTAR	STEEL PALLETTS	535122	Ivanpah	Pass
03/27/12	Nick Virzi	Bechtel/IWI Trucking	CONTAINER	385	Ivanpah	Pass
03/27/12	Nick Virzi	BECHTEL/JESUS ASSOCIATES	EPISYLIUM SAND	1	Ivanpah	Pass

03/27/12	Nick Virzi	BECHTEL/LANDSTAR	STEEL	530763	Ivanpah	Pass
03/27/12	Nick Virzi	FE MORAN/M&M TRANSPORT	FIRE PIPES	7	Ivanpah	Pass
03/27/12	Nick Virzi	BECHTEL/LANDSTAR	STEEL	415099	Ivanpah	Pass
03/27/12	Nick Virzi	BECHTEL/LANDSTAR	STEEL PIPE	434500	Ivanpah	Pass
03/28/12	Tom Koning	BECHTEL/PERRY TRUCKING	CONTAINER	NONE	Ivanpah	Pass
03/28/12	Tom Koning	BECHTEL/LBJ TRUCKING	STEEL	10	Ivanpah	Pass
03/28/12	Tom Koning	BECHTEL/LANDSTAR	STEEL PIPE	28641	Ivanpah	Pass
03/28/12	Tom Koning	BECHTEL/LANDSTAR	DUCTWORK SECTIONS	551688	Ivanpah	Pass
03/28/12	Tom Koning	BECHTEL/DALTON	TRANSFORMERS	333	Ivanpah	Pass
03/28/12	Tom Koning	BECHTEL/DALTON	TRANSFORMERS	257	Ivanpah	Pass
03/28/12	Tom Koning	BECHTEL/BOWMAN TR	STEEL PIPE	396	Ivanpah	Pass
03/28/12	Tom Koning	BECHTEL/DALTON	TRANSFORMERS	252	Ivanpah	Pass
03/28/12	Jason Seidi	BECHTEL/TRANS AH	HARDWARE	1	Ivanpah	Pass
03/28/12	Jason Seidi	BECHTEL.FOX	CONTAINER	6	Ivanpah	Pass
03/28/12	Jason Seidi	BECHTEL/SOSA TRANSPORT	REBAR	313476	Ivanpah	Pass
03/28/12	Jason Seidi	BECHTEL/FOX TRUCKING	CONTAINER	77	Ivanpah	Pass
03/28/12	Jason Seidi	BECHTEL/VT TRANS	CAT WALK	5	Ivanpah	Pass
03/28/12	Jason Seidi	BECHTEL/FOX	CONTAINER	2238	Ivanpah	Pass
03/28/12	Jason Seidi	BECHTEL/FOX	CONTAINER	12	Ivanpah	Pass
03/28/12	Jason Seidi	BECHTEL/RILEY	HARDWARE	351	Ivanpah	Pass
03/28/12	Jason Seidi	BECHTEL.MONTANA EXP	CONTAINER	81	Ivanpah	Pass
03/28/12	Tom Koning	BECTEL/LANDSTAR	STEEL	539805	Ivanpah	Pass
03/28/12	Tom Koning	BECHTEL/DELONG TRUCKING	CRANE	1000	Ivanpah	Pass
03/28/12	Jason Seidi	BECHTEL/LA EXP	HARDWARE	1103	Ivanpah	Pass
03/28/12	Tom Koning	BECHTEL/JAUREQUII TRUCKING	WATER	55	Ivanpah	Pass
03/28/12	Jason Seidi	BECHTEL/FOX	CONTAINER	2	Ivanpah	Pass
03/28/12	Jason Seidi	BECHTEL/LANDSTAR	STEEL	550955	Ivanpah	Pass
03/28/12	Jason Seidi	BECHTEL/FOX	CONTAINER	44	Ivanpah	Pass
03/28/12	Jason Seidi	BECHTEL/RSL	POWER HORSE	99	Ivanpah	Pass
03/28/12	Nick Virzi	BECHTEL/DINGER TRUCKING	PALLETS	7	Ivanpah	Pass
03/29/12	Tom Koning	BECHTEL/SGS TRUCKING	STEEL	230	Ivanpah	Pass
03/29/12	Tom Koning	BECHTEL/FOX TRUCKING	CONTAINER	CT73	Ivanpah	Pass
03/29/12	Tom Koning	BECHTEL/USA TRUCKING	STEEL	1	Ivanpah	Pass
03/29/12	Tom Koning	BECHTEL/3MC TRUCKING	STEEL	2008	Ivanpah	Pass

03/29/12	Tom Koning	BECHTEL/ IEEH TRUCKING	REFRIGERATING	1	Ivanpah	Pass
03/29/12	Tom Koning	BECHTEL/KK TRUCKING	WIRE CABLE	3	Ivanpah	Pass
03/29/12	Tom Koning	BECHTEL/ANTHONY TRUCK	SUPPORT ARMS	11	Ivanpah	Pass
03/29/12	Tom Koning	BECHTEL/SANTACRUZ TRUCK	SUPPORT ARMS	10	Ivanpah	Pass
03/29/12	Jason Seidi	BECHTEL/BL STEWART	STEEL HARDWARE	567	Ivanpah	Pass
03/29/12	Jason Seidi	BECHTEL/FOX	CONTAINER	2238	Ivanpah	Pass
03/29/12	Jason Seidi	BECHTEL/FJ RUBIOS	CAT WALK	569	Ivanpah	Pass
03/29/12	Jason Seidi	BECHTEL/FOX	CONTAINER	6	Ivanpah	Pass
03/29/12	Jason Seidi	BECHTEL/AJ TRANS	CATWALK	9	Ivanpah	Pass
03/29/12	Tom Koning	BECHTEL/JOHNS TRUCK	NONE	553	Ivanpah	Pass
03/29/12	Tom Koning	BECHTEL E&S TRUCKING	POWER PUMPS	297	Ivanpah	Pass
03/29/12	Jason Seidi	BECHTEL/FOX	CONTAINER	12	Ivanpah	Pass
03/29/12	Jason Seidi	BECHTEL/FOX	CONTAINER	49	Ivanpah	Pass
03/29/12	Jason Seidi	BECHTEL/FOX	CONTAINER	CT02	Ivanpah	Pass
03/29/12	Tom Koning	BECHTEL/STAGECOACH	SUPPORT ARMS	5	Ivanpah	Pass
03/29/12	Jason Seidi	BECHTEL/CLRHS	HARDWARE	72	Ivanpah	Pass
04/02/12	Tom Koning	BECHTEL/LANDSTAR	JCRT	413395	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/LANDSTAR	GANG BOXES/WELDER B	844	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL	STEEL PALLETS	1121	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/PERRY AND SONS	CONTAINER	34	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT75	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/ATS SPECIALIZED	PIPE VALVES	61035	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT02	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/LANDSTAR	DIAGONALS	530735	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT77	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/ET TRANSPORTATION	TEEL PLATES	1	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/LANDSTAR	PANELS	531235	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT69	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/3MC	STEEL	511	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/FOX	CONTAINER	2238	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT44	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/ANTHONY TRANSPORT	TORQUE TUBES	11	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/ADVANCED DISTRIBUTIC	WATER TANK	4	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT10	Ivanpah	Pass

04/02/12	Nick Virzi	BECHTEL/TWEEDY TRANSPORT	STEEL	980	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/TWEEDY TRANSPORT	STEEL	424	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/CRST TRUCKING	STEEL/PALLETS	100	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT43	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/WESTYS	STEEL PIPE	331	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/LANDSTAR	STEEL	27222	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/SB EXPRESS	SCAFFOLD PIPE	1877	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/LANDSTAR	CONTAINER	CT85	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/WCH	BALLAST TANKS	127	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/ROEHL	STEEL	4475	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/LANDSTAR	STEEL	530667	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/EST TRANSPORT	STEEL	117	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/LANDSTAR	STEEL	552822	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/3MC	STEEL	9808	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/ROEHL	PANELS	1618	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL/JP TRUCKING	SUPPORT ARMS	A711	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL ZEAL TRANSPORT	STEEL	777	Ivanpah	Pass
04/02/12	Nick Virzi	BECHTEL	STEEL	1108	Ivanpah	Pass
04/03/12	Nick Virzi	Bechtel/fox	CONTAINER	CT02	Ivanpah	Pass
04/03/12	Nick Virzi	BECHTEL/CURTIS STEEL	STEEL	T2	Ivanpah	Pass
04/03/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT44	Ivanpah	Pass
04/03/12	Nick Virzi	BECHTEL/STAGECOACH	STEEL ARMS	5	Ivanpah	Pass
04/03/12	Tom Koning	BECHTEL	SUPPORT ARMS	571	Ivanpah	Pass
04/03/12	Tom Koning	BECHTEL/FOX	CONTAINER	CT77	Ivanpah	Pass
04/03/12	Tom Koning	BECHTEL/FOX	CONTAINER	385	Ivanpah	Pass
04/03/12	Tom Koning	BECHTEL/FOX	CONTAINER	CT74	Ivanpah	Pass
04/03/12	Tom Koning	BECHTEL/FOX	CONTAINER	CT10	Ivanpah	Pass
04/03/12	Tom Koning	BECHTEL/FOX	STEEL	600	Ivanpah	Pass
04/03/12	Tom Koning	BECHTEL/Delong trucking	steel	517	Ivanpah	Pass
04/03/12	Tom Koning	BECHTEL/FOX	STEEL	10732	Ivanpah	Pass
04/03/12	Tom Koning	BECHTEL/LANDSTAR	STEEL	9031	Ivanpah	Pass
04/03/12	Tom Koning	BECHTEL/LANDSTAR	STEEL	435227	Ivanpah	Pass
04/03/12	Tom Koning	BECHTEL/LANDSTAR	STEEL	64306	Ivanpah	Pass
04/03/12	Tom Koning	BECHTEL/FOX	CONTAINER	CT69	Ivanpah	Pass

04/03/12	Tom Koning	BECHTEL/GRUYO TRUCKING	STEEL PIPE	21	Ivanpah	Pass
04/03/12	Tom Koning	BECHTEL/FOX	CONTAINER	CT85	Ivanpah	Pass
04/03/12	Tom Koning	BECHTEL/LANDSTAR	STEEL	412326	Ivanpah	Pass
04/03/12	Tom Koning	BECHTEL/FOX	CONTAINER	73	Ivanpah	Pass
04/03/12	Tom Koning	BECHTEL/STAGECOACH	SUPPORT ARMS	5	Ivanpah	Pass
04/03/12	Tom Koning	BECHTEL/RYDER	PLASTIC INSULATION	474018	Ivanpah	Pass
04/03/12	Tom Koning	BECHTEL/LO-PRO	CEMENT BLOCK	89	Ivanpah	Pass
04/03/12	Jason Seidi	BECHTLE/FOX	CONTAINER	2238	Ivanpah	Pass
04/05/12	Jason Seidi	BECHTEL/FOX	CONTAINER	CT10	Ivanpah	Pass
04/05/12	Jason Seidi	BECHTEL CR TRANS	PYLONS	2	Ivanpah	Pass
04/05/12	Jason Seidi	BECHTEL/LEO PAYNE	TRACTORS	28	Ivanpah	Pass
04/05/12	Jason Seidi	BECHTEL/STI TRANS	RELCY PANELS	973	Ivanpah	Pass
04/05/12	Jason Seidi	BECHTEL/STAGECOACH	SUPPORT ARMS	10	Ivanpah	Pass
04/05/12	Jason Seidi	BECHTEL/FOX	CONTAINER	CT85	Ivanpah	Pass
04/05/12	Tom Koning	BECHTEL/PERRY AND SONS	SUPPORT ARMS	2	Ivanpah	Pass
04/05/12	Tom Koning	BECHTEL/PERRY	CONTAINER	73	Ivanpah	Pass
04/05/12	Jason Seidi	BECHTEL/STAGECOACH	TUBES	5	Ivanpah	Pass
04/05/12	Tom Koning	FOX	CONTAINER	CT	Ivanpah	Pass
04/05/12	Jason Seidi	FOX	CONTAINER	44	Ivanpah	Pass
04/05/12	Jason Seidi	BECHTEL/FOX	CONTAINER	528670	Ivanpah	Pass
04/05/12	Jason Seidi	BECHTEL/SGS TRUCKING	STEEL	230	Ivanpah	Pass
04/05/12	Jason Seidi	BECHTEL/XPRESS TRANS	SUPPORT ARMS	53847	Ivanpah	Pass
04/05/12	Jason Seidi	BECHTEL/ROEHL	TRANSFORMERS	5542	Ivanpah	Pass
04/05/12	Jason Seidi	BECHTEL/LANDSTAR	STEEL	405080	Ivanpah	Pass
04/05/12	Jason Seidi	BECHTEL/3MC TRUCKING	STEEL	211	Ivanpah	Pass
04/05/12	Jason Seidi	BECHTEL/FOX	CONTAINER	1	Ivanpah	Pass
04/05/12	Jason Seidi	BECHTEL/PONCE	PYLONS	2	Ivanpah	Pass
04/05/12	Jason Seidi	BECHTEL/TONY TRANS	SUPPORT ARMS	11	Ivanpah	Pass
04/05/12	Jason Seidi	BECHTEL RA PERRA TRANS	CATWALK	1009	Ivanpah	Pass
04/05/12	Jason Seidi	BECHTEL/DALTON	TRANSFORMERS	301	Ivanpah	Pass
04/05/12	Jason Seidi	BECHTEL/LANDSATR	STEEL	41334	Ivanpah	Pass
04/05/12	Jason Seidi	BECHTEL/PERRY SONS	CONTAINER	34	Ivanpah	Pass
04/05/12	Jason Seidi	BECHTEL/FOX	CONTAINER	69	Ivanpah	Pass
04/05/12	Jason Seidi	Bechtel/Roo Rents	EMPTY TRAILER	244941	Ivanpah	Pass

04/09/12	Nick Virzi	BECHTEL/LANDSTAR	STEEL	554767	Ivanpah	Pass
04/09/12	Nick Virzi	BECHTEL/JESSES TRUCKING	STEEL	703	Ivanpah	Pass
04/09/12	Nick Virzi	BECHTEL/ATS	STEEL PIPE	54018	Ivanpah	Pass
04/09/12	Nick Virzi	BECHTEL/WESTYS	STEEL PIPE	37	Ivanpah	Pass
04/09/12	Nick Virzi	BECHTEL/DONE RIGHT TRUCK	STEEL PIPE	243	Ivanpah	Pass
04/09/12	Nick Virzi	BECHTEL/JD TRUCKING	GANG BOXES	7055	Ivanpah	Pass
04/09/12	Nick Virzi	Bechtel/IWI Trucking	CONTAINER	198	Ivanpah	Pass
04/09/12	Nick Virzi	BECHTEL/RANDALL	SCAFFOLDING	127	Ivanpah	Pass
04/09/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT10	Ivanpah	Pass
04/09/12	Nick Virzi	BECHTEL/PAVIS LOGISTICS	STEEL	1110	Ivanpah	Pass
04/09/12	Nick Virzi	BECHTEL/RENEGADE TRUCKING	STEEL	307	Ivanpah	Pass
04/09/12	Nick Virzi	BECHTEL/DAVIS	STEEL	1037T	Ivanpah	Pass
04/09/12	Nick Virzi	BECHTEL/PERRY AND SONS	CONTAINER	34B	Ivanpah	Pass
04/09/12	Nick Virzi	Bechtel Roehl Trucking	PANELS	7481	Ivanpah	Pass
04/09/12	Nick Virzi	WESTYS	STEEL PIPE	331	Ivanpah	Pass
04/09/12	Nick Virzi	BECHTEL/3MC	STEEL	9808	Ivanpah	Pass
04/09/12	Nick Virzi	LANDSTAR	COIL WRAPS	553598	Ivanpah	Pass
04/09/12	Nick Virzi	BECHTEL/LANDSTAR	COIL BASIN	405732	Ivanpah	Pass
04/09/12	Nick Virzi	BECHTEL.BE TRUCKING	STEEL	29	Ivanpah	Pass
04/10/12	Nick Virzi	BECHTEL/ZEAL TRANSPORT	STEEL	ZT077	Ivanpah	Pass
04/09/12	Nick Virzi	BECHTEL/B&L STEWART	DIAGONALS	569	Ivanpah	Pass
04/10/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT71	Ivanpah	Pass
04/10/12	Nick Virzi	FE MORAN/STAGECOACH	STEEL PIPES	5	Ivanpah	Pass
04/10/12	Nick Virzi	BECHTEL/DELONG	STEEL	860	Ivanpah	Pass
04/10/12	Nick Virzi	BECHTEL/DELONG	STEEL	47517A	Ivanpah	Pass
04/10/12	Nick Virzi	BECHTEL/DELONG	STEEL	517	Ivanpah	Pass
04/10/12	Nick Virzi	Bechtel/IWI Trucking	CONTAINER	198	Ivanpah	Pass
04/10/12	Nick Virzi	bechtel/landstar	steel	535122	Ivanpah	Pass
04/10/12	Nick Virzi	BECHTEL/ROEHL	PANELS	7826	Ivanpah	Pass
04/10/12	Nick Virzi	BECHTEL/ARIZONA &SONS	CRATES/PUMP PARTS	44	Ivanpah	Pass
04/10/12	Nick Virzi	Bechtel/IWI Trucking	CONTAINER	219	Ivanpah	Pass
04/10/12	Nick Virzi	Bechtel/Sina Trucking	WOOD	285	Ivanpah	Pass
04/10/12	Nick Virzi	BECHTEL/NORTHLAND TRUCKING	PANELS	372	Ivanpah	Pass
04/10/12	Nick Virzi	BECHTEL/3MC	STEEL	9508	Ivanpah	Pass

04/10/12	Nick Virzi	BECHTEL/RLL TRANSPORTATION	ENGINES	6001	Ivanpah	Pass
04/10/12	Nick Virzi	BECHTEL/STAGECOACH	TORQUE TUBES	11	Ivanpah	Pass
04/10/12	Nick Virzi	BECHTEL/LANDSTAR	COIL WRAPS	51390	Ivanpah	Pass
04/10/12	Nick Virzi	BECHTEL/LANDSTAR	CRATES/PUMP PARTS	412631	Ivanpah	Pass
04/10/12	Jason Seidi	BECHTEL/FOX	CONTAINER	CT02	Ivanpah	Pass
04/10/12	Jason Seidi	BECHTEL/FOX	CONTAINER	44	Ivanpah	Pass
04/10/12	Jason Seidi	BECHTEL/KOCH	TRAILER	1	Ivanpah	Pass
04/10/12	Jason Seidi	BECHTEL/FOX	IVANPAH	71	Ivanpah	Pass
04/10/12	Jason Seidi	Bechtel/RST Trans	FUSEBOX	49	Ivanpah	Pass
04/10/12	Jason Seidi	BECHTEL/FOX	IVANPAH	71	Ivanpah	Pass
04/10/12	Nick Virzi	BECHTEL/FOX	CONTAINER	12	Ivanpah	Pass
04/10/12	Nick Virzi	BECHTEL/MR INTERMODAL	CONTAINER	4001	Ivanpah	Pass
04/10/12	Nick Virzi	BECHTEL/STAGECOACH	TORQUE TUBES	11	Ivanpah	Pass
04/10/12	Nick Virzi	BECHTEL/HERANDEZ TRANS	CAT WALK	26	Ivanpah	Pass
04/10/12	Nick Virzi	Bechtel/Select Shippers	SUPPORT ARMS	111	Ivanpah	Pass
04/11/12	Jason Seidi	BECHTEL/INTERMODAL	CONTAINER	392	Ivanpah	Pass
04/11/12	Jason Seidi	Bechtel/Select Shippers	SUPPORT ARMS	111	Ivanpah	Pass
04/11/12	Jason Seidi	BECHTEL/PERRY SONS	CONTAINER	34	Ivanpah	Pass
04/11/12	Jason Seidi	BECHTEL	STEEL	410616	Ivanpah	Pass
04/11/12	Jason Seidi	BECHTEL/SILCS	STEAM GENERATOR	304	Ivanpah	Pass
04/11/12	Jason Seidi	BECHTEL/JAMES R SMITH	PIPE	2627	Ivanpah	Pass
04/11/12	Jason Seidi	BECHTEL/STAGECOACH	SUPPORT ARMS	101	Ivanpah	Pass
04/12/12	KOLYN PERINE	Bechtel/Montana Trucking	CONTAINER	84	Ivanpah	Pass
04/12/12	Jason Seidi	BECHTEL/FOX	CONTAINER	CT02	Ivanpah	Pass
04/12/12	Jason Seidi	BECHTEL/FOX	CONTAINER	CT44	Ivanpah	Pass
04/12/12	Jason Seidi	BECHTEL/FOX	CONTAINER	CT86	Ivanpah	Pass
04/12/12	Jason Seidi	BECHTEL/FOX	CONTAINER	71	Ivanpah	Pass
04/12/12	Jason Seidi	BECHTEL/FOX	CONTAINER	CT69	Ivanpah	Pass
04/12/12	Jason Seidi	BECHTEL/FOX	CONTAINER	85	Ivanpah	Pass
04/12/12	Jason Seidi	BECHTEL/FOX	CONTAINER	CT	Ivanpah	Pass
04/12/12	Jason Seidi	BECHTEL/LAHAIROI TRUCKING	WOOD BOXES	6	Ivanpah	Pass
04/12/12	Jason Seidi	BECHTEL/LANDSTAR	HARDWARE	530763	Ivanpah	Pass
04/12/12	Jason Seidi	BECHTEL/CR TRANSPORTS	TUBES	2	Ivanpah	Pass
04/12/12	Jason Seidi	BECHTEL/ROEHL	BOIL MAKERS	7132	Ivanpah	Pass

04/12/12	Jason Seidi	BECHTEL/STAGECOACH	SUPPORT ARMS	11	Ivanpah	Pass
04/12/12	Jason Seidi	BECHTEL/LANDSTAR	CONTAINER	52482T	Ivanpah	Pass
04/12/12	Jason Seidi	BECHTEL	CONTAINER	75	Ivanpah	Pass
04/12/12	Jason Seidi	BECHTEL/T ROWN	STEEL	52939	Ivanpah	Pass
04/12/12	Jason Seidi	BECHTEL/FOX	CONTAINER	73	Ivanpah	Pass
04/12/12	Jason Seidi	BECHTEL/LAHAIROI TRUCKING	TURBINE	5	Ivanpah	Pass
04/12/12	Tom Koning	BECHTEL/FOX	CONTAINER	0	Ivanpah	Pass
04/16/12	Tom Koning	BECHTEL/FOX	CONTAINER	CT10	Ivanpah	Pass
04/16/12	Tom Koning	BECHTEL	DIAGONALS	555604	Ivanpah	Pass
04/16/12	Nick Virzi	BECHTEL	DIAGONALS	530735	Ivanpah	Pass
04/16/12	Nick Virzi	BECHTEL	CONTAINER	CT75	Ivanpah	Pass
04/16/12	Nick Virzi	BECHTELLANDSTAR	CRATES	523476	Ivanpah	Pass
04/16/12	Nick Virzi	BECHTEL/LANDSTAR	CONTAINER	CT02	Ivanpah	Pass
04/16/12	Nick Virzi	BECHTEL	WOOD BOXES	519	Ivanpah	Pass
04/16/12	Tom Koning	BECHTEL/GALLEY TRUCKING	CONT	4	Ivanpah	Pass
04/16/12	Nick Virzi	BECHTEL/GR TRANS	TURBINE SETS	2823	Ivanpah	Pass
04/16/12	Nick Virzi	BECHTEL/JENSEN	PRECAST CONCRETE	35	Ivanpah	Pass
04/16/12	Nick Virzi	BECHTEL/FOX	CONT	CT6	Ivanpah	Pass
04/16/12	Nick Virzi	STAGECOACH	TORQUE TUBES	11	Ivanpah	Pass
04/16/12	Nick Virzi	BECHTEL/PITTMAN	BOILER TANKS	52	Ivanpah	Pass
04/16/12	Nick Virzi	BECHTEL/GOLDEN OCEAN	PIPE AND ENGINES	780	Ivanpah	Pass
04/17/12	Nick Virzi	BECHTEL/ROEHL	PANELS	7002	Ivanpah	Pass
04/17/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT74	Ivanpah	Pass
04/17/12	Nick Virzi	BECHTEL/FOX	PANELS	6926	Ivanpah	Pass
04/17/12	Nick Virzi	BECHTEL/B&L STEWART	SUPPORT ARMS	569	Ivanpah	Pass
04/17/12	Nick Virzi	BECHTEL/JENSEN	CONCRETE SLABS	35	Ivanpah	Pass
04/17/12	Nick Virzi	BECHTEL/MASON TRUCKING	STEEL PIPE	242	Ivanpah	Pass
04/17/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT4	Ivanpah	Pass
04/17/12	Nick Virzi	STAGECOACH	DIAGONALS	11	Ivanpah	Pass
04/17/12	Nick Virzi	BECHTEL/LANDSTAR	STEEL	416018	Ivanpah	Pass
04/17/12	Nick Virzi	BECHTEL/NV EQUIPMENT	STEEL PANELS	2040	Ivanpah	Pass
04/17/12	Nick Virzi	BECHTEL/DELONG	STEEL	517	Ivanpah	Pass
04/17/12	Nick Virzi	BECHTEL/DELONG	PANELS	600	Ivanpah	Pass
04/17/12	Tom Koning	LEONARD	?	28	Ivanpah	Pass

04/17/12	Tom Koning	MORALES TRUCKING	PYLONS	6	Ivanpah	Pass
04/17/12	Tom Koning	BECHTEL	PYLONS	2	Ivanpah	Pass
04/17/12	Tom Koning	BECHTEL/GALKO	CONTAINER	C065	Ivanpah	Pass
04/17/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT85	Ivanpah	Pass
04/17/12	Nick Virzi	BECHTEL/CALKO TRANSPORT	CONT	CO64	Ivanpah	Pass
04/17/12	Nick Virzi	bechtel/fox	cont	34	Ivanpah	Pass
04/17/12	Nick Virzi	BECHTEL/CALKO TRANSPORT	CONTAINER	C060	Ivanpah	Pass
04/17/12	Nick Virzi	BECHTEL/WESTYS	STEEL PIPE	331	Ivanpah	Pass
04/17/12	Nick Virzi	BECHTEL/ALL LOPEZ	PYLONS	74	Ivanpah	Pass
04/17/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT73	Ivanpah	Pass
04/18/12	Jason Seidi	BECHTEL	TRAILER	132	Ivanpah	Pass
04/18/12	Jason Seidi	BECHTEL	STEEL ARMS	5	Ivanpah	Pass
04/18/12	Tom Koning	BECHTEL INTERNATIONAL TRUCKI	CONTAINER	385	Ivanpah	Pass
04/18/12	Tom Koning	BECHTEL	STEEL	31	Ivanpah	Pass
04/18/12	Jason Seidi	BECHTEL/GEORGE STEEL	STEEL	385	Ivanpah	Pass
04/18/12	Tom Koning	BECHTEL/INTERNATIONAL WEST	CONTAINER	31	Ivanpah	Pass
04/18/12	Tom Koning	BECHTEL/LANDSTAR	CONTAINER	410397	Ivanpah	Pass
04/18/12	Tom Koning	BECHTEL/ROEHL	PANELS	8893	Ivanpah	Pass
04/18/12	Tom Koning	BECHTEL/JENSEN	CONT	35	Ivanpah	Pass
04/18/12	Tom Koning	BECHTEL/ROEHL	PANELS	79366	Ivanpah	Pass
04/18/12	Tom Koning	BECHTEL/JESAS TRUCKING	PYLONS	2	Ivanpah	Pass
04/18/12	Tom Koning	BECHTEL/LAHAI T	CONTAINER	2	Ivanpah	Pass
04/18/12	Tom Koning	BECHTEL/ARISTONDO TRUCKING	SUPPORT ARMS	1	Ivanpah	Pass
04/18/12	Tom Koning	BECHTEL/PITTMAN	STEEL PIPE	52	Ivanpah	Pass
04/18/12	Tom Koning	BECHTEL BREEZE	PYLONS	3	Ivanpah	Pass
04/18/12	Tom Koning	BECHTEL/CALKO	CONTAINER	C060	Ivanpah	Pass
04/18/12	Tom Koning	BECHTEL/MSW TRUCKING	HARDWARE CONTROL RC	13	Ivanpah	Pass
04/18/12	Tom Koning	BECHTEL/JOAMPOS TRUCKING	PIPE STEEL	2001	Ivanpah	Pass
04/18/12	Tom Koning	BECHTEL	STEEL/SADDLE	347	Ivanpah	Pass
04/19/12	Tom Koning	BECHTEL/FOX	CONTAINER	CT02	Ivanpah	Pass
04/19/12	Tom Koning	bechtel/fox	CONTAINER	ct21	Ivanpah	Pass
04/19/12	Tom Koning	BECHTEL/ STAGECOACH	SUPPORT ARMS	5	Ivanpah	Pass
04/19/12	Tom Koning	BECHTEL/FOX	CONTAINER	4	Ivanpah	Pass
04/19/12	Tom Koning	BECHTEL/FOX	CONTAINER	18	Ivanpah	Pass

04/19/12	Tom Koning	BECHTEL/FOX	CONT	6	Ivanpah	Pass
04/19/12	Tom Koning	BECHTEL/ROEHL	BLAST PANEL	5951	Ivanpah	Pass
04/19/12	Tom Koning	BECHTEL/FOX	CONTAINER	CT85	Ivanpah	Pass
04/19/12	Tom Koning	BECHTEL/FOX	CONTAINER	74	Ivanpah	Pass
04/19/12	Tom Koning	BECHTEL/JIT	CONTAINER	2055	Ivanpah	Pass
04/19/12	Jason Seidi	BECHTEL/FOX	CONT	77	Ivanpah	Pass
04/19/12	Jason Seidi	BECHTEL/JUSMIE LOGISTICS LLC	HARDWARE	1517	Ivanpah	Pass
04/19/12	Jason Seidi	BECHTEL/JENSEN	CEMENT BLOCKS	35	Ivanpah	Pass
04/19/12	Jason Seidi	BECHTEL/FOX	CONT	34	Ivanpah	Pass
04/19/12	Jason Seidi	BECHTEL/LBJ TRUCKING	PYLONS	10	Ivanpah	Pass
04/19/12	Jason Seidi	BECHTEL/FOX	CONTAINER	73	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/FOX	CONT	CT42	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/3MC	STEEL	211	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/IFS	WATER PUMP/COILS	20	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/FOX	CONT	CT02	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT77	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT71	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/ROEHL	PANELS	5665	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/FOX	CRATE	555746	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/FOX	DIAGONALS	415688	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/OSTERCAMP	WOOD PLANKS	3590	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT6	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/FOX	CONT	CT65	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT37	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT85	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/BECKER TRANSPORT	PUMP&STEEL PIPE	4	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/ROSSER	PUMP AND STEEL PIPE	19	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/STAGECOACH	TORQUE TUBES	11	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/STAGECOACH	SUPPORT ARMS	7	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT60	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/VELASQUEZ TRUCKING	PYLONS	777	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/TMGUANE	SUPPORT ARMS	311	Ivanpah	Pass
04/23/12	Nick Virzi	Bechtel/Sina Trucking	PYLONS	2	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/RADKE	STEEL	522	Ivanpah	Pass

04/23/12	Nick Virzi	BECHTEL/FOX	CONTAINER	34	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/FOX	TWEEDY	STEEL	424	Pass
04/23/12	Nick Virzi	BECHTEL/TRREADSTONE	STEEL	704	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/COMBINED TRANSPORT	PUMP	2910	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/ATS	STEEL	82308	Ivanpah	Pass
04/23/12	Nick Virzi	Bechtel/Sina Trucking	PYLONS	3	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/WESTYS	STEEL PIPE	331	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/WESTYS	STEEL PIPE	337	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/HOLMES TRUCKING	STEEL	1120	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT73	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/LOKE TRUCKING	STEEL WALKWAY PLATES	7	Ivanpah	Pass
04/23/12	Nick Virzi	BECHTEL/3MC	STEEL	2008	Ivanpah	Pass
04/24/12	Nick Virzi	BECHTEL/ROEHL	PANELS	7262	Ivanpah	Pass
04/24/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT12	Ivanpah	Pass
04/24/12	Nick Virzi	BECHTEL/TTI	CONTAINER	56	Ivanpah	Pass
04/24/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT42	Ivanpah	Pass
04/24/12	Nick Virzi	BECHTEL/ROEHL	PANELS	4800	Ivanpah	Pass
04/24/12	Nick Virzi	Bechtel/IWI Trucking	CONTAINER	281	Ivanpah	Pass
04/24/12	Nick Virzi	BECHTEL/EXPEDITED	TRANSFORMERS	1	Ivanpah	Pass
04/24/12	Nick Virzi	BECHTEL/OLSON PRECAST	PRECAST CONCRETE	35	Ivanpah	Pass
04/24/12	Nick Virzi	Bechtel/Sina Trucking	PYLONS	79	Ivanpah	Pass
04/24/12	Nick Virzi	BECHTEL/BL	SUPPORT ARMS	557	Ivanpah	Pass
04/24/12	Nick Virzi	BECHTEL/LANDSTAR	STEEL	535122	Ivanpah	Pass
04/24/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT06	Ivanpah	Pass
04/24/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT60	Ivanpah	Pass
04/24/12	Nick Virzi	BECHTEL/DELONG TRUCKING	STEEL PANELS	860	Ivanpah	Pass
04/24/12	Nick Virzi	BECHTEL/DELONG	STEEL	930	Ivanpah	Pass
04/24/12	Nick Virzi	BECHTEL/TRADELINK	CONTAINER	CA168347	Ivanpah	Pass
04/24/12	Nick Virzi	BECHTEL/CR TRANSPORTS	TORQUE TUBES	2	Ivanpah	Pass
04/24/12	Nick Virzi	BECHTEL/INTERMODAL	CONT	219	Ivanpah	Pass
04/24/12	Nick Virzi	BECHTEL/ROEHL	PANELS	7593	Ivanpah	Pass
04/24/12	Nick Virzi	BECHTEL/TWA EXPRESS	INSULATION TUBES	115	Ivanpah	Pass
04/24/12	Nick Virzi	BECHTEL/FOX	CONT	CT85	Ivanpah	Pass
04/24/12	Nick Virzi	BECHTEL/FOX	CONTAINER	34	Ivanpah	Pass

04/24/12	Nick Virzi	BECHTEL/LOOK TRANSP	COMPRESSORS	1	Ivanpah	Pass
04/24/12	Nick Virzi	Bechtel/Sina Trucking	PYLONS	777	Ivanpah	Pass
04/24/12	Nick Virzi	Bechtel/Sina Trucking	PYLONS	A207521	Ivanpah	Pass
04/24/12	Nick Virzi	BECHTEL/TTI	CONTAINER	5046	Ivanpah	Pass
04/24/12	Nick Virzi	BECHTEL/ROEHL	PANELS	8827	Ivanpah	Pass
04/24/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT73	Ivanpah	Pass
04/24/12	Nick Virzi	BECHTEL/M&M TRANSPORT	TORQUE TUBES	7	Ivanpah	Pass
04/24/12	Nick Virzi	BECHTEL/MERCER	PIPE STEEL	9061	Ivanpah	Pass
04/25/12	Jason Seidi	Bechtel/RST Trans	ELECTRICNOME	49	Ivanpah	Pass
04/25/12	Jason Seidi	RODRIGUEZ TRANS	PYLONS	11	Ivanpah	Pass
04/25/12	Jason Seidi	ROEHL	TRANSFORMERS	4475	Ivanpah	Pass
04/25/12	Jason Seidi	MR INTERMODAL	CONTAINER	400	Ivanpah	Pass
04/25/12	Jason Seidi	BECHTEL TRUCKING	CONTAINER	393	Ivanpah	Pass
04/25/12	Jason Seidi	Bechtel/Sina Trucking	TUBES	5	Ivanpah	Pass
04/25/12	Jason Seidi	BECHTEL/ROEHL	TRANSFORMERS	8901	Ivanpah	Pass
04/25/12	Jason Seidi	MADS DELI SERVICE	TUBES	394	Ivanpah	Pass
04/25/12	Jason Seidi	f. ALVAREZ	STEEL	1	Ivanpah	Pass
04/25/12	Jason Seidi	LANDSTAR	STEEL	533618	Ivanpah	Pass
04/25/12	Jason Seidi	TTI TRANS	CONTAINER	770045	Ivanpah	Pass
04/25/12	Jason Seidi	WERNER EXP	TRANSFORMERS	56614	Ivanpah	Pass
04/25/12	Jason Seidi	JOHN EXP	LIGHT POLES	25	Ivanpah	Pass
04/25/12	Jason Seidi	BECHTEL/SST TRANS	TRAILERS	2	Ivanpah	Pass
04/26/12	Jason Seidi	BECHTEL/AL LOEZ	TUBES	74	Ivanpah	Pass
04/26/12	Jason Seidi	RTG LOG	ELECTRIC HARDWARE	25	Ivanpah	Pass
04/26/12	Jason Seidi	MOMMAS BOY TRUCKING	STEEL	0	CEMEN	Pass
04/26/12	Jason Seidi	BECHTEL/JENSEN	CEMENT BLOCK	35	Ivanpah	Pass
04/26/12	Jason Seidi	TREADSTONE TRUCKING	HANDRAIL	705	Ivanpah	Pass
04/26/12	Jason Seidi	BECHTEL/NEVAL TRUCKING	CONTAINER	181	Ivanpah	Pass
04/26/12	Jason Seidi	BECHTEL/CRTRANS	STEEL ELBOWS	2	Ivanpah	Pass
04/26/12	Jason Seidi	BECHTEL/STAGECOACH	STEEL	11	Ivanpah	Pass
04/26/12	Jason Seidi	BECHTEL/JWASS	STEEL	1	Ivanpah	Pass
04/26/12	Jason Seidi	BECHTEL FOX TRUCKING	CONTAINER	34	Ivanpah	Pass
04/26/12	Jason Seidi	WESTYS	STEEL	711	Ivanpah	Pass
04/26/12	Jason Seidi	JJTRANS	HARDWARE	6666	Ivanpah	Pass

04/26/12	Jason Seidi	ROEHL	PANELS	8587	Ivanpah	Pass
04/30/12	Nick Virzi	BECHTEL/CURTIS STEEL	STEEL	2	Ivanpah	Pass
04/30/12	Nick Virzi	BECHTEL/PRECISION TRUCK	FUEL GAS SEPARATOR	212	Ivanpah	Pass
04/30/12	Nick Virzi	STAGECOACH	SUPPORT ARMS	11	Ivanpah	Pass
04/30/12	Nick Virzi	ROEHL	PANELS	7481	Ivanpah	Pass
04/30/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT12	Ivanpah	Pass
04/30/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT34	Ivanpah	Pass
04/30/12	Nick Virzi	BECHTEL/STAGECOACH	SUPPORT ARMS	5	Ivanpah	Pass
04/30/12	Nick Virzi	DUNN&JOHNSTON	WIRE SPOOLS	106	Ivanpah	Pass
04/30/12	Nick Virzi	TOMMY CHAMBERS TRUCK	WIRE SPOOLS	325153	Ivanpah	Pass
04/30/12	Nick Virzi	SINA	PYLONS	921	Ivanpah	Pass
04/30/12	Nick Virzi	L REYES TRANSPORTATION	STEEL	1	Ivanpah	Pass
04/30/12	Nick Virzi	SINA	STEEL PLATES	1	Ivanpah	Pass
04/30/12	Nick Virzi	LEO A TRUCKING	STEELPLATES	2	Ivanpah	Pass
04/30/12	Nick Virzi	Bechtel/Sina Trucking	PYLONS	79	Ivanpah	Pass
04/30/12	Nick Virzi	CR TRANSPORT	TORQUE TUBES	2	Ivanpah	Pass
04/30/12	Nick Virzi	FREEDOM TRUCKING	STEEL	7654	Ivanpah	Pass
04/30/12	Nick Virzi	CRST	WATER PUMP PARTS	M2746	Ivanpah	Pass
04/30/12	Nick Virzi	LANDASTAR	STEEL	525489	Ivanpah	Pass
04/30/12	Nick Virzi	ALL STAR TRUCK	STEEL BALLASTS/PALLETS	117	Ivanpah	Pass
04/30/12	Nick Virzi	Bechtel/Sina Trucking	PYLONS	3	Ivanpah	Pass
04/30/12	Nick Virzi	BECHTEL/3MC	STEEL	9508	Ivanpah	Pass
04/30/12	Nick Virzi	LANDSTAR	WIRE SPOOLS	24399	Ivanpah	Pass
04/30/12	Nick Virzi	BIG GREEN EXPRESS	STEEL	611346	Ivanpah	Pass
04/30/12	Nick Virzi	VOLUME FREIGHT	WIRE SPOOLS	31	Ivanpah	Pass
04/30/12	Nick Virzi	LANDSTAR	STEEL	10038	Ivanpah	Pass
04/30/12	Nick Virzi	S&A LOGISTICS	ELECTRICAL PALLETS	1	Ivanpah	Pass
04/30/12	Nick Virzi	BECHTEL/TAFF TRUCKING	CONCRETE SLABS	21	Ivanpah	Pass
04/30/12	Nick Virzi	LANDSTAR	STEEL	630	Ivanpah	Pass
04/30/12	Nick Virzi	LANDSTAR	STEEL	438592	Ivanpah	Pass
05/01/12	Nick Virzi	FE moran/ TAHUAPA EXPRESS	FIRE PIPES	121	Ivanpah	Pass
05/01/12	Nick Virzi	BECHTEL/LANDSTAR	STEEL	41028	Ivanpah	Pass
05/01/12	Nick Virzi	BECHTEL/EBONY	MIRRORS	428	Ivanpah	Pass
05/01/12	Nick Virzi	BECHTEL/EBONY	MIRRORS	1	Ivanpah	Pass

05/01/12	Nick Virzi	BECHTEL/EBONY	MIRRORS	123	Ivanpah	Pass
05/01/12	Nick Virzi	BECHTEL/STAGECOACH	SUPPORT ARMS	5	Ivanpah	Pass
05/01/12	Nick Virzi	BECHTEL./ROYAL TRUCKING	WIRE SPOOLS	2149	Ivanpah	Pass
05/01/12	Nick Virzi	BECHTEL/B&L STEWART	SUPPORT ARMS	557	Ivanpah	Pass
05/01/12	Nick Virzi	BECHTEL/STAGECOACH	TORQUE TUBES	11	Ivanpah	Pass
05/01/12	Nick Virzi	BECHTEL/DELONG TRUCKING	STEEL PANELS	20	Ivanpah	Pass
05/01/12	Nick Virzi	BECTEL/DELONG	STEEL	517	Ivanpah	Pass
05/01/12	Nick Virzi	BECHTEL/JWASS TRUCKING	STEEL PLATES	1	Ivanpah	Pass
05/01/12	Nick Virzi	BECHTEL/MOBILE MINI	OFFICE/CONNEX TRAILER	4	Ivanpah	Pass
05/01/12	Nick Virzi	Bechtel/Sina Trucking	PYLONS	6	Ivanpah	Pass
05/01/12	Nick Virzi	Bechtel/Sina Trucking	PYLONS	236	Ivanpah	Pass
05/01/12	Nick Virzi	bechtel/landstar	steel pipe	414181	Ivanpah	Pass
05/01/12	Nick Virzi	BECHTEL/LANDSTAR	STEEL PIPE	409570	Ivanpah	Pass
05/01/12	Nick Virzi	BECHTEL/3MC	STEEL	9908	Ivanpah	Pass
05/01/12	Nick Virzi	BECHTEL/DUNBO EXPRESS	WIRE SPOOLS	393	Ivanpah	Pass
05/01/12	Nick Virzi	BECHTEL/ROEHL	PANELS	7132	Ivanpah	Pass
05/01/12	Nick Virzi	BECHTEL/TREADSTONE LOGI	STEEL	704	Ivanpah	Pass
05/01/12	Nick Virzi	BECHTEL/FOX	CONTAINER	34	Ivanpah	Pass
05/01/12	Nick Virzi	BECHTEL/WESTYS	STEEL PIPE	331	Ivanpah	Pass
05/01/12	Nick Virzi	BECHTEL/ALVAREZ	STEEL GRATING	1	Ivanpah	Pass
05/01/12	Nick Virzi	BECHTEL/RIVAS TRUCK	TORQUE TUBES	7	Ivanpah	Pass
05/01/12	Nick Virzi	BECHTEL/KNIGHT	CONT	167054	Ivanpah	Pass
05/01/12	Nick Virzi	BECHTEL/FRIO EXPRESS	PYLONS	211	Ivanpah	Pass
05/02/12	Nick Virzi	BECHTEL/SYNERGY	IRON CRATES	5204	Ivanpah	Pass
05/02/12	Nick Virzi	BECHTEL/ST GEORGE STEEL	STEEL	231	Ivanpah	Pass
05/02/12	Jason Seidi	BECHTEL/H. RODRIGUEZ	PANELS	43	Ivanpah	Pass
05/02/12	Jason Seidi	BECHTEL/INTERMODAL	CONT	385	Ivanpah	Pass
05/02/12	Jason Seidi	BECHTEL/INTERMODAL	CONTAINER	391	Ivanpah	Pass
05/02/12	Jason Seidi	BECHTEL/OJ TRANS	SUPPORT ARMS	2	Ivanpah	Pass
05/02/12	Jason Seidi	BECHTEL/DELONG	STEEL	0	Ivanpah	Pass
05/02/12	Jason Seidi	BECHTEL/TWEEDY	STEEL	193	Ivanpah	Pass
05/02/12	Jason Seidi	BECHTEL/RINGEL	CONTAINER	79	Ivanpah	Pass
05/02/12	Jason Seidi	BECHTEL/3MC	STEEL	2008	Ivanpah	Pass
05/02/12	Jason Seidi	BECHTEL/EELOY TRANS	STEEL	1038	Ivanpah	Pass

05/02/12	Jason Seidi	BECHTEL/PINTOS	PYLONS	367	Ivanpah	Pass
05/02/12	Jason Seidi	BECHTEL/CR TRANSPORTS	SUPPORT ARMS	2	Ivanpah	Pass
05/02/12	Jason Seidi	BECHTEL/ROEHL	WATER WELLS	5447	Ivanpah	Pass
05/02/12	Jason Seidi	BECHTEL/ ROEHL	PANELS	8299	Ivanpah	Pass
05/02/12	Jason Seidi	BECHTEL/JMB TRANS	STEEL	7	Ivanpah	Pass
05/03/12	Jason Seidi	BECHTEL/INTEMODAL	CONT	391	Ivanpah	Pass
05/03/12	Jason Seidi	BECHTEL/3MC	STEEL	211	Ivanpah	Pass
05/03/12	Jason Seidi	BECHTEL/RANN ROBB	STEEL ARMS	5	Ivanpah	Pass
05/03/12	Jason Seidi	BECHTEL/FUENTES TRANS	STEEL	4	Ivanpah	Pass
05/03/12	Jason Seidi	BECHTEL/MESC TRANS	SUPPORT ARMS	30049	Ivanpah	Pass
05/03/12	Jason Seidi	BECHTEL/FOX	CONTAINER	34	Ivanpah	Pass
05/03/12	Jason Seidi	BECHTEL/LANDSTAR	STEEL PIPE	414742	Ivanpah	Pass
05/03/12	Jason Seidi	BECHTEL/R. PARAZZA	STEEL PIPE	2000	Ivanpah	Pass
05/03/12	Jason Seidi	BECHTEL/ROEHL	PANELS	8670	Ivanpah	Pass
05/03/12	Jason Seidi	BECHTEL/STAGECOACH	PYLONS	5	Ivanpah	Pass
05/03/12	Jason Seidi	BECHTEL/FOX	CONTAINER	12	Ivanpah	Pass
05/03/12	Jason Seidi	BECHTEL/FOX	CONTAINER	42	Ivanpah	Pass
05/07/12	Nick Virzi	BECHTEL/ST GEORGE STEEL	STEEL	216	Ivanpah	Pass
05/07/12	Nick Virzi	BECHTEL/TREADSTONE LOGISTICS	STEEL	703	Ivanpah	Pass
05/07/12	Nick Virzi	BECHTEL/RTC	MECHANICAL PARTS	711	Ivanpah	Pass
05/07/12	Nick Virzi	BECHTEL/T.MCGUANE TRANSP	SUPPORT ARMS	311	Ivanpah	Pass
05/07/12	Nick Virzi	BECHTEL/4TH GENERATION	STEEL PUMP	1	Ivanpah	Pass
05/07/12	Nick Virzi	BECHTEL/M&M tRANSPORT	SUPPORT ARMS	7	Ivanpah	Pass
05/07/12	Nick Virzi	BECHTEL/HARRSION TRUCK	PUMP HOUSING	1	Ivanpah	Pass
05/07/12	Tom Koning	BECHTEL	BLAST PANEL	8767	Ivanpah	Pass
05/07/12	Tom Koning	BECTEL/MICHELLE TRUCK	STEEL	1	Ivanpah	Pass
05/07/12	Tom Koning	BECHTEL/3MC TRUCKING	STEEL	9810	Ivanpah	Pass
05/07/12	Tom Koning	BECHTEL 3MC	STEEL	9508	Ivanpah	Pass
05/07/12	Tom Koning	BECHTEL/CEDARPOINT TRUCKING	STEEL	121	Ivanpah	Pass
05/07/12	Tom Koning	BECHTEL/ES TRUCKING	HOUSING SECTION	13	Ivanpah	Pass
05/07/12	Tom Koning	BECHTEL/UST TRUCK	KNAACK BOXES	1	Ivanpah	Pass
05/07/12	Tom Koning	BECHTEL/WESTYS TRUCK	STEEL PIPE	7	Ivanpah	Pass
05/07/12	Tom Koning	BECHTEL/CAR TRUCKING	STEEL	4	Ivanpah	Pass
05/07/12	Tom Koning	BECHTEL/TORNADO TRUCK	BOLTS AND NUTS	143	Ivanpah	Pass

05/07/12	Tom Koning	BECHTEL/DUBNO	EMPTY PRINT SHACK	630	Ivanpah	Pass
05/08/12	Nick Virzi	BECHTEL/STAGECOACH	SUPPORT ARMS	11	Ivanpah	Pass
05/08/12	Nick Virzi	BECHTEL/JENSEN	PRECAST CONCRETE	79	Ivanpah	Pass
05/08/12	Nick Virzi	BECHTEL/STAGECOACH	TORQUE TUBES	5	Ivanpah	Pass
05/08/12	Nick Virzi	BECHTEL/LANDSTAR	STEEL	535122	Ivanpah	Pass
05/08/12	Nick Virzi	BECHTEL/B&L STEWART	TORQUE TUBES	569	Ivanpah	Pass
05/08/12	Nick Virzi	BECHTEL/EARL PADDOCK	CONDENSATE CONDITIOI	710	Ivanpah	Pass
05/08/12	Nick Virzi	BECHTEL/MOBILE MINI	MOBILE OFFICE	MT366	Ivanpah	Pass
05/08/12	Nick Virzi	BECHTEL/ATS SPECIALIZED	PRINT SHACKS	81984	Ivanpah	Pass
05/08/12	Nick Virzi	Bechtel/IWI Trucking	CONTAINER	790	Ivanpah	Pass
05/08/12	Nick Virzi	Bechtel/IWI Trucking	CONTAINER	219	Ivanpah	Pass
05/08/12	Nick Virzi	BECHTEL/DELONG TRUCKING	STEEL PANELS	600	Ivanpah	Pass
05/08/12	Nick Virzi	BECHTEL/DELONG TRUCKING	STEEL PANELS	517	Ivanpah	Pass
05/08/12	Tom Koning	BECHTEL	METAL PARTS	91	Ivanpah	Pass
05/08/12	Tom Koning	BECHTEL/CROSSWAYS TRUCKING	STEEL	36	Ivanpah	Pass
05/08/12	Tom Koning	BECHTEL/REGAL TRUCKING	BLAST PANEL	4069	Ivanpah	Pass
05/08/12	Tom Koning	BECHTEL	SKID STEEL	180	Ivanpah	Pass
05/08/12	Tom Koning	BECHTEL/REGAL TRUCKING	BLAST PANEL	5402	Ivanpah	Pass
05/08/12	Tom Koning	BECHTEL/ZEAL TRUCK	STEEL	JJ77	Ivanpah	Pass
05/08/12	Nick Virzi	BECHTEL/EARL PADDOCK	CONDENSATE POLISHER	750	Ivanpah	Pass
05/08/12	Nick Virzi	BECHTEL/EAR;L PADDOCK	PIPE SPOOLS/STANDS	750	Ivanpah	Pass
05/08/12	Nick Virzi	BECHTEL/CAPAX	MOTORS	131	Ivanpah	Pass
05/08/12	Nick Virzi	BECHTEL/EARL PADDOCK	WATER FILTER SYSTEMS	736	Ivanpah	Pass
05/09/12	Jason Seidi	BECHTEL/BYF STEEL	STEEL	828	Ivanpah	Pass
05/09/12	Jason Seidi	BECHTEL/JOHNSON	GAS	1278	Ivanpah	Pass
05/09/12	Jason Seidi	BECHTEL/EAGLE TRANS	HARDWARE	1029	Ivanpah	Pass
05/09/12	Jason Seidi	BECHTEL/ROEHL	STEEL	5197	Ivanpah	Pass
05/09/12	Jason Seidi	BECHTEL/ROEHL	STEEL	7658	Ivanpah	Pass
05/09/12	Jason Seidi	BECHTEL/SQUIRES	WOOD PLANKS	218	Ivanpah	Pass
05/11/12	Jason Seidi	BECHTEL/MCKINNEY	CABLE	67	Ivanpah	Pass
05/11/12	Jason Seidi	BECHTEL/FOX	CONTAINER	12	Ivanpah	Pass
05/11/12	Jason Seidi	BECHTEL/STAGECOACH	PYLONS	5	Ivanpah	Pass
05/11/12	Jason Seidi	BECHTEL/FOX	CONTAINER	85	Ivanpah	Pass
05/11/12	Jason Seidi	BECHTEL/FOX TRUCKING	CONTAINER	CT44	Ivanpah	Pass

05/11/12	Jason Seidi	BECHTEL/TOW TRUCK CO	POC VHC	26	Ivanpah	Pass
05/11/12	Jason Seidi	BECHTEL/CURTIS	HARDWARE	60870	Ivanpah	Pass
05/11/12	Jason Seidi	BECHTEL/POSS	PIPE	137	Ivanpah	Pass
05/11/12	Jason Seidi	BECHTEL/STAGECOACH	SSTEEL	207848	Ivanpah	Pass
05/11/12	Jason Seidi	BECHTEL/ATOMIC TRANSP	WATER TANK	17	Ivanpah	Pass
05/11/12	Jason Seidi	BECHTEL/A.T.S. TRUCK	WOOD BOXES	82246	Ivanpah	Pass
05/11/12	Jason Seidi	BECHTEL/MR INTERMODAL	CONTAINER	391	Ivanpah	Pass
05/11/12	Jason Seidi	BECHTEL/JSM	LUMBER	2	Ivanpah	Pass
05/11/12	Jason Seidi	BECHTEL/FIRST CLASS SERVICE	REBAR	100	Ivanpah	Pass
05/11/12	Jason Seidi	BECHTEL/ROEHL	STEEL	8587	Ivanpah	Pass
05/11/12	Jason Seidi	BECHTEL/LANDSTAR	STEEL	413135	Ivanpah	Pass
05/11/12	Jason Seidi	BECHTEL/CRST	HARDWARE	2222	Ivanpah	Pass
05/11/12	Jason Seidi	BECHTEL/GARNER	WATER	679	Ivanpah	Pass
05/11/12	Jason Seidi	BECHTEL/FOX CONT	CONTAINER	34	Ivanpah	Pass
05/14/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT44	Ivanpah	Pass
05/14/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT65	Ivanpah	Pass
05/14/12	Nick Virzi	BECHTEL/STAGECOACH	SUPPORT ARMS	5	Ivanpah	Pass
05/14/12	Nick Virzi	BECHTEL/PGT TRUCKING	STEEL	631006	Ivanpah	Pass
05/14/12	Tom Koning	BECHTEL/LV TRUCKING	STEEL	6	Ivanpah	Pass
05/14/12	Nick Virzi	BECHTEL/WORLDSTAR	WIRE SPOOLS	112	Ivanpah	Pass
05/14/12	Tom Koning	BECHTEL/FOX	CONTAINER	CT12	Ivanpah	Pass
05/14/12	Nick Virzi	BECHTEL/STAGECOACH	TORQUE TUBES	11	Ivanpah	Pass
05/14/12	Nick Virzi	Bechtel/Sina Trucking	PYLONS	79	Ivanpah	Pass
05/14/12	Nick Virzi	BECHTEL/OLSEN PRECAST	CONCRETE SLABS	79	Ivanpah	Pass
05/14/12	Nick Virzi	BECHTEL/FOX	CONTAINER	34	Ivanpah	Pass
05/14/12	Nick Virzi	BECHTEL/LANDSTAR	BUTTERFLY VALVE	555080	Ivanpah	Pass
05/14/12	Nick Virzi	Bechtel/Sina Trucking	PYLONS	777	Ivanpah	Pass
05/14/12	Nick Virzi	BECHTEL/ZEAL TRANSPORT	STEEL	350	Ivanpah	Pass
05/14/12	Nick Virzi	BECHTEL/J CAMPOS TRUCK	PIPE SPOOLS/STANDS	200	Ivanpah	Pass
05/14/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT85	Ivanpah	Pass
05/14/12	Nick Virzi	BECHTEL/JREIDY TRUCK	TORQUE TUBES	9	Ivanpah	Pass
05/14/12	Nick Virzi	BECHTEL/HIL TRUCK	SCAFFOLDING	845	Ivanpah	Pass
05/14/12	Nick Virzi	BECHTEL/SAMMONS	FAN PUMP	1133	Ivanpah	Pass
05/14/12	Nick Virzi	BECHTEL/CONTINENTAL EXP	SCAFFOLDING	116	Ivanpah	Pass

05/14/12	Nick Virzi	BECHTEL/ROEHL	PANELS	8291	Ivanpah	Pass
05/14/12	Nick Virzi	BECHTEL/LANDSTAR	WOODEN CRATE	534773	Ivanpah	Pass
05/14/12	Nick Virzi	BECHTEL/WESTYS	STEEL PIPE	711	Ivanpah	Pass
05/14/12	Nick Virzi	BECHTEL/GIOVANNI TRANSPORT	PYLONS	7	Ivanpah	Pass
05/14/12	Nick Virzi	BECHTEL/WESTYS	STEEL PIPE	331	Ivanpah	Pass
05/14/12	Nick Virzi	BECHTEL/FONSELA	PYLONS	77	Ivanpah	Pass
05/14/12	Nick Virzi	BECHTEL/ANTHONY TRANSPORT	TORQUE TUBES	11	Ivanpah	Pass
05/15/12	Nick Virzi	BECHTEL/STAGECOACH	SUPPORT ARMS	11	Ivanpah	Pass
05/15/12	Nick Virzi	BECHTEL/MOBILE MINI	CONNEX TRAILER	4	Ivanpah	Pass
05/15/12	Tom Koning	BECHTEL/LANDSTAR	STEEL	439722	Ivanpah	Pass
05/15/12	Nick Virzi	BECHTEL/B&L STEWART	DIAGONALS	557	Ivanpah	Pass
05/15/12	Nick Virzi	BECHTEL/LANDSTAR	DIAGONALS	530735	Ivanpah	Pass
05/15/12	Nick Virzi	Bechtel/Sina Trucking	PYLONS	921	Ivanpah	Pass
05/15/12	Nick Virzi	RED BULL LOGISTICS	CABLE SPOOLS	302	Ivanpah	Pass
05/15/12	Nick Virzi	BECHTEL/DELONG TRUCKING	STEEL PANELS/MIRROR R	21	Ivanpah	Pass
05/15/12	Nick Virzi	BECHTEL/DELONG	STEEL PANELS	517	Ivanpah	Pass
05/15/12	Nick Virzi	BECHTEL/SAMORA	PYLONS	17	Ivanpah	Pass
05/15/12	Nick Virzi	Bechtel/IWI Trucking	CONTAINER	219	Ivanpah	Pass
05/15/12	Nick Virzi	BECHTEL/ONE WAY	SCAFFOLDING	OW14	Ivanpah	Pass
05/15/12	Nick Virzi	BECHTEL/LANDSTAR	STEEL PIPE	414811	Ivanpah	Pass
05/15/12	Nick Virzi	Bechtel/Sina Trucking	PYLONS	297	Ivanpah	Pass
05/15/12	Nick Virzi	BECHTEL/LANDSTAR	STEEL PIPE	552822	Ivanpah	Pass
05/15/12	Nick Virzi	BECHTEL/WESTYS	STEEL PIPE	811	Ivanpah	Pass
05/15/12	Nick Virzi	BECHTEL/LANDSTAR	STEEL	413217	Ivanpah	Pass
05/15/12	Nick Virzi	BECHTEL/ROSSER	CRATE/STEEL PIPE	19	Ivanpah	Pass
05/15/12	Nick Virzi	BECHTEL/RIVAS TRUCKING	TORQUE TUBES	7	Ivanpah	Pass
05/15/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT73	Ivanpah	Pass
05/15/12	Nick Virzi	FE MORAN/GRAY WOLF TRANSPO	ENCLOSURES	1981	Ivanpah	Pass
05/16/12	Nick Virzi	BECHTEL/TURNER TRANSPORT	STEEL DUCT	21	Ivanpah	Pass
05/16/12	Jason Seidi	BECHTEL/ONE WAY TRANSPORT	STEEL	3	Ivanpah	Pass
05/16/12	Tom Koning	BECHTEL/SNOOZIE	SCAFFOLDING	122	Ivanpah	Pass
05/16/12	Tom Koning	BECHTEL/RANGEL TRUCKING	PYLON	79	Ivanpah	Pass
05/16/12	Jason Seidi	BECHTEL	EQU. HOMES	649444	Ivanpah	Pass
05/16/12	Jason Seidi	Bechtel/RST Trans	PONLER HOME	49	Ivanpah	Pass

05/16/12	Jason Seidi	LANDSTAR	STEEL	262939	Ivanpah	Pass
05/16/12	Jason Seidi	ZADAR TRANSPORT	PIPES	353	Ivanpah	Pass
05/16/12	Jason Seidi	KOUNTRY TRANSPORT	STEEL	1955	Ivanpah	Pass
05/16/12	Jason Seidi	BECHTEL/FONSECA	STEEL	77	Ivanpah	Pass
05/16/12	Jason Seidi	BECHTEL/ROEHL	PANELS	8409	Ivanpah	Pass
05/17/12	Tom Koning	bechtel/fox	CONTAINER	CT44	Ivanpah	Pass
05/17/12	Jason Seidi	BECHTEL/ZEDER	LUMBER	353	Ivanpah	Pass
05/17/12	Jason Seidi	BECHTEL/STAGECOACH	PYLONS	5	Ivanpah	Pass
05/17/12	Jason Seidi	BECHTEL/FOX	CONTAINER	12	Ivanpah	Pass
05/17/12	Jason Seidi	BECHTEL/FOX	CONTAINER	75	Ivanpah	Pass
05/17/12	Jason Seidi	BECHTEL/AI TRUCKING	3 SKINS	42	Ivanpah	Pass
05/17/12	Tom Koning	BECHTEL/b&l TRUCKING	STEEL	557	Ivanpah	Pass
05/17/12	Jason Seidi	BECHTEL/STAGECOACH	STEEL	207848	Ivanpah	Pass
05/17/12	Jason Seidi	BECHTEL/LANDSTAR	PANELS	530763	Ivanpah	Pass
05/17/12	Jason Seidi	BECHTEL/MORRISON	EMPTY TRAILER	215133	Ivanpah	Pass
05/17/12	Tom Koning	BECHTEL/DILLON	WOOD	786	Ivanpah	Pass
05/17/12	Jason Seidi	BECHTEL/TIMMY TRANS	STEEL	355	Ivanpah	Pass
05/17/12	Jason Seidi	BECHTEL/LANDSTAR	STEEL PIPE	550216	Ivanpah	Pass
05/17/12	Jason Seidi	BECHTEL/CCC	STEEL	19	Ivanpah	Pass
05/17/12	Jason Seidi	BECHTEL/ROEHL	PANELS	50343	Ivanpah	Pass
05/17/12	Tom Koning	BECHTEL/FOX	CONTAINER	CT44	Ivanpah	Pass
05/17/12	Tom Koning	BECHTEL/FOX	CONTAINER	CT12	Ivanpah	Pass
05/17/12	Jason Seidi	bechtel/fox	CONTAINER	75	Ivanpah	Pass
05/17/12	Jason Seidi	BECHTEL/FOX	CONTAINER	84	Ivanpah	Pass
05/17/12	Jason Seidi	BECHTEL/FOX	CONTAINER	73	Ivanpah	Pass
05/21/12	Tom Koning	BECHTEL/STAGECOACH	STEEL	6	Ivanpah	Pass
05/21/12	Nick Virzi	BECHTEL/FOX	CONTAINER	CT13	Ivanpah	Pass
05/21/12	Nick Virzi	BECHTEL/STAGECOACH	TORQUE TUBES	11	Ivanpah	Pass
05/21/12	Nick Virzi	BECHTEL/L&P Miller	steel	101	Ivanpah	Pass
05/21/12	Nick Virzi	BECHTEL/PCAST TRANS	PYLONS	573	Ivanpah	Pass
05/21/12	Nick Virzi	BECHTEL/PROVIDED ENTERPRISES	SCAFFOLD PLANKS	SK2	Ivanpah	Pass
05/21/12	Nick Virzi	BECHTEL/TEE KAY TRANSPORT	STEEL	17	Ivanpah	Pass
05/21/12	Nick Virzi	BECTEL/M&MTRANSPORT	SUPPORT ARMS	7	Ivanpah	Pass
05/21/12	Nick Virzi	BECHTEL/AMERICAN HIGHWAY	ELECTRICAL PALLETS	947	Ivanpah	Pass

05/21/12	Nick Virzi	BECHTEL/SCHENKER	CABLES	6	Ivanpah	Pass
05/21/12	Nick Virzi	BECHTEL/HOLMES TRUCKING	STEEL	1105	Ivanpah	Pass
05/21/12	Nick Virzi	BECHTEL/KD TRUCKING	PYLONS	15	Ivanpah	Pass
05/21/12	Nick Virzi	BECHTEL/ROYAL TRUCKING	COPPER WIRE	2189	Ivanpah	Pass
05/21/12	Nick Virzi	BECHTLE/LANDSTAR	ELECTRICAL EQUIPMENT	554295	Ivanpah	Pass
05/21/12	Nick Virzi	BECHTEL/FOX	CONTAINER	34	Ivanpah	Pass
05/21/12	Nick Virzi	Bechtel/Sina Trucking	PYLONS	1	Ivanpah	Pass
05/21/12	Nick Virzi	BECHTEL/b7l STEWART	SUPPORT ARMS	567	Ivanpah	Pass
05/21/12	Nick Virzi	BECHTEL/LANDSTAR	WELDING EQUIPMENT	306	Ivanpah	Pass
05/21/12	Nick Virzi	Bechtel/Sina Trucking	PYLONS	6	Ivanpah	Pass
05/21/12	Nick Virzi	BECHTEL/DAVIS LOGISTICS	STEEL BEAMS	1109	Ivanpah	Pass
05/21/12	Nick Virzi	BECHTEL/DAVIS LOGISTICS	STEEL BEAMS	1106	Ivanpah	Pass
05/21/12	Nick Virzi	BECHTEL/DAVIS LOGISTICS	STEEL BEAMS	1107	Ivanpah	Pass
05/21/12	Nick Virzi	BECHTEL/DAVIS LOGISTICS	STEEL BEAMS	1111	Ivanpah	Pass
05/21/12	Nick Virzi	BECHTEL/TP TRUCKING	STEEL/CONDUIT	L-374	Ivanpah	Pass
05/21/12	Nick Virzi	BECHTEL/3MC	STEEL	C16	Ivanpah	Pass
05/21/12	Nick Virzi	BECHTEL/FOX	CONT	CT73	Ivanpah	Pass
05/21/12	Nick Virzi	BECHTEL/TRANZ-WEST EXPRESS	ELECTRICAL EQUIPMENT	2022	Ivanpah	Pass
05/21/12	Nick Virzi	BECHTEL/TURNER TRANSPORT	STEEL DUCT	48	Ivanpah	Pass
05/21/12	Nick Virzi	BECHTEL/ROEHL	PANELS	8641	Ivanpah	Pass
05/22/12	Nick Virzi	Bechtel/delong	steel	21	Ivanpah	Pass
05/22/12	Nick Virzi	BECHTEL/DELONG	STEEL PANELS	517	Ivanpah	Pass
05/22/12	Nick Virzi	BECHTEL/STAGECOACH	TORQUE TUBES	7	Ivanpah	Pass
05/22/12	Nick Virzi	BECHTEL/STAGECOACH	TORQUE TUBES	11	Ivanpah	Pass
05/22/12	Nick Virzi	Bechtel/IWI Trucking	CONTAINER	385	Ivanpah	Pass
05/22/12	Nick Virzi	BECHTEL/B&L STEWART	SUPPORT ARMS	557	Ivanpah	Pass
05/22/12	Nick Virzi	BECHTEL/AC TRUCK	FAN MOTORS	69	Ivanpah	Pass
05/22/12	Nick Virzi	BECHTEL/FOX	CONTAINER	34	Ivanpah	Pass
05/22/12	Nick Virzi	BECHTEL/ROEHL	PANELS	8343	Ivanpah	Pass
05/22/12	Nick Virzi	BECHTEL/TREADSTONE LOGISTICS	SCAFFOLDING	703	Ivanpah	Pass
05/22/12	Nick Virzi	BARRIENTOS TRUCKING	PYLONS	435	Ivanpah	Pass
05/22/12	Nick Virzi	BECHTEL/3MC	STEEL	9808	Ivanpah	Pass
05/22/12	Nick Virzi	BECHTEL/BREEZE TRUCKING	PYLONS	3	Ivanpah	Pass
05/22/12	Nick Virzi	BECHTEL/JWC	PIPE SPOOLS/STANDS	105	Ivanpah	Pass

05/22/12	Nick Virzi	BECHTEL/3MC	STEEL	9810	Ivanpah	Pass
05/22/12	Nick Virzi	BECHTEL/LANDSTAR	STEEL	535122	Ivanpah	Pass
05/22/12	Nick Virzi	NAMASCO CORP	PIPE TANK	4	Ivanpah	Pass
05/23/12	Nick Virzi	BECHTEL/JOHNSON	STEEL	777	Ivanpah	Pass
05/23/12	Nick Virzi	BECHTEL/JS TRUCKING	STEEL PIPE	0	Ivanpah	Pass
05/23/12	Jason Seidi	BECHTEL/ROEHL	PANELS	8886	Ivanpah	Pass
05/23/12	Jason Seidi	BECHTEL/REOEHL	PANELS	5886	Ivanpah	Pass
05/23/12	Jason Seidi	BECHTEL/RODRIQUEZ	TUBES	11	Ivanpah	Pass
05/23/12	Jason Seidi	BECHTEL/EITRYA TRUCKING	STEEL	3	Ivanpah	Pass
05/23/12	Jason Seidi	BECHTEL/FOX	CONTAINER	34	Ivanpah	Pass
05/23/12	Jason Seidi	BECHTEL/ESTRADAS	TUBES	1	Ivanpah	Pass
05/24/12	Tom Koning	MONTANA TRUCK	CONTAINER	56	Ivanpah	Pass
05/24/12	Tom Koning	BECHTEL PACIFIC	CONTAINER	123	Ivanpah	Pass
05/24/12	Jason Seidi	BECHTEL SGS	CATWALK	1031	Ivanpah	Pass
05/24/12	Jason Seidi	FOX	CONTAINER	12	Ivanpah	Pass
05/24/12	Jason Seidi	STAGECOACH	PYLONS	11	Ivanpah	Pass
05/24/12	Jason Seidi	STAGECOACH	TUBES	7	Ivanpah	Pass
05/24/12	Jason Seidi	LANDSTAR	gang boxes	553082	Ivanpah	Pass
05/24/12	Jason Seidi	GARDINER TRUCK	WATER	5015	Ivanpah	Pass
05/24/12	Jason Seidi	BECHTEL/TRENCH SHORE	EMPTY TRAILER	602	Ivanpah	Pass
05/24/12	Jason Seidi	MONTANA TRUCK	CONTAINER	81	Ivanpah	Pass
05/24/12	Jason Seidi	BECHTEL	STEEL	1	Ivanpah	Pass
05/24/12	Jason Seidi	FOX	CONTAINER	73	Ivanpah	Pass
05/24/12	KOYLA PENYA	STAGECOACH	TORQUE TUBES	7	Ivanpah	Pass
05/29/12	Nick Virzi	FOX	CONTAINER	44	Ivanpah	Pass
05/29/12	Nick Virzi	LANDSTAR	DIAGONALS	530735	Ivanpah	Pass
05/29/12	KOYLA PENYA	NORTHLAND	CABLE	T312	Ivanpah	Pass
05/29/12	Nick Virzi	BUNKER/SAWMILL	SCAFFOLDING	56	Ivanpah	Pass
05/29/12	Nick Virzi	GLACIER CARRIER	WIRE SPOOLS	191	Ivanpah	Pass
05/29/12	Nick Virzi	ESTRELLA TRANSPORT	SUPPORT ARMS	15	Ivanpah	Pass
05/29/12	Nick Virzi	LANDSTAR	STEEL DUCT	534343	Ivanpah	Pass
05/29/12	Nick Virzi	LANDSTAR	STEEL	414382	Ivanpah	Pass
05/29/12	KOYLA PENYA	WESTYS	SPOOLS	811	Ivanpah	Pass
05/29/12	KOYLA PENYA	WESTYS	PIPE SPOOLS/STANDS	612	Ivanpah	Pass

05/29/12	KOYLA PENYA	LANDSTAR	SPOOLS	524753	Ivanpah	Pass
05/29/12	KOYLA PENYA	PONCE TRUCKING	STEEL PIPE	2	Ivanpah	Pass
05/29/12	Nick Virzi	PRINTZ TRUCKING	PUMP VALVES	1	Ivanpah	Pass
05/30/12	Jason Seidi	FOX	CONTAINER	12	Ivanpah	Pass
05/30/12	Jason Seidi	FOX	CONT	34	Ivanpah	Pass
05/30/12	Jason Seidi	ST. GEORGE STEEL	STEEL	5	Ivanpah	Pass
05/30/12	Jason Seidi	FOX	CONTAINER	12	Ivanpah	Pass
05/30/12	Nick Virzi	STAGECOACH	SUPPORT ARMS	11	Ivanpah	Pass
05/30/12	Nick Virzi	B&L STEWART	TORQUE TUBES	567	Ivanpah	Pass
05/30/12	Jason Seidi	3MC	STEEL	193	Ivanpah	Pass
05/30/12	Nick Virzi	ROEHL	PANELS	7535	Ivanpah	Pass
05/30/12	Jason Seidi	MBCA TRANSP	STEEL	1	Ivanpah	Pass
05/30/12	Jason Seidi	STAGECOACH	STEEL	1	Ivanpah	Pass
05/30/12	Jason Seidi	FOX	CONTAINER	85	Ivanpah	Pass

Exhibit 5

Drainage, Erosion, and Sediment Control Summary
Condition of Certification
Soil and Water – 1

- Visual Field Inspection Logs and Photos of each notable occurrence related to Drainage, Erosion and or Sediment Control are included on pages 1-26 of this section

- The Monthly Summary is located on Page 27 of this section

- Relevant Documents are located on Page 28 of this section

Visual Inspection Field Log

Risk Level 1, 2, 3 ***Visual Inspection Field Log Sheet***						
Date and Time of Inspection: **04/30/2012 off and on all day and 05/01/12 1330 to 1500**				Report Date: **05/01/12**		
Inspection Type:	■ Weekly	□ Before predicted rain	□ During rain event	□ Following qualifying rain event	□ Contained stormwater release	□ Quarterly non-storm water

Site Information	
Construction Site Name: **Ivanpah Solar Electric Generating Facility**	
Construction stage and completed activities: **Tower, HCC and PBB installation in Unit I, Tower erection and pylon insertion in Unit II, Tower erection in Unit III**	Approximate area of exposed site:

Weather and Observations			
Date Rain Predicted to Occur: **None in the next 9 days**		Predicted % chance of rain: **NA**	
Estimate storm beginning: (date and time)	Estimate storm duration:	Estimate time since last storm: **5 days** (days or hours)	Rain gauge reading: **0.00** (inches)

Observations: If yes identify location		
Odors	Yes □	No ■
Floating material	Yes □	No ■
Suspended Material	Yes □	No ■
Sheen	Yes □	No ■
Discolorations	Yes □	No ■
Turbidity	Yes □	No ■

Site Inspections	
Outfalls or BMPs Evaluated	**Deficiencies Noted**
(add additional sheets or attached detailed BMP Inspection Checklists)	
Lake Bed	**The lake bed is dry.**
Silt Fence	**There was a small area in the switch yard in need of repair.**
New Concrete Culverts in Unit III	**The concrete culverts in Unit III are complete. Rip rap has been installed along the upstream side of the culverts.**
Straw Hay Bales	**Bales were inspected for damage. Several of the bales still need to be staked down.**

Photos Taken:	Yes ■	No □	Photo Reference IDs: **04301201, 05011201, and 05011202**

Corrective Actions Identified (note if SWPPP/REAP change is needed)

Inspector Information	
Inspector Name: **Lorie Palkow**	Inspector Title: **CEL**
Signature: Lorie Palkow	Date: 5/1/12

Dry Lake

Silt Fence in Need of Repair in Switch Yard

Rip Rap Along Concrete Culvert in Unit III

The Weather Channel
weather.com

10-Day Forecast for Nipton, CA

		High / Low (°F)	Precip. %
Today Apr 30	Sunny	**88°/64°**	0 %
Tue May 01	Partly Cloudy	**86°/63°**	0 %
Wed May 02	Mostly Sunny	**83°/64°**	0 %
Thu May 03	Sunny / Wind	**84°/62°**	0 %
Fri May 04	Sunny	**85°/62°**	0 %
Sat May 05	Sunny	**85°/61°**	0 %
Sun May 06	Partly Cloudy	**83°/59°**	0 %
Mon May 07	Partly Cloudy	**79°/58°**	0 %
Tue May 08	Mostly Cloudy	**82°/59°**	0 %
Wed May 09	Partly Cloudy	**87°/65°**	0 %

Last Updated Apr 30 08:16 a.m. PT

Print This Forecast

Back to Previous Page

Visual Inspection Field Log

Risk Level 1, 2, 3 ***Visual Inspection Field Log Sheet***						
Date and Time of Inspection: **05/09/2012 off and on all day**				Report Date: **05/10/12**		
Inspection Type:	■ Weekly	□ Before predicted rain	□ During rain event	□ Following qualifying rain event	□ Contained stormwater release	□ Quarterly non-storm water

Site Information	
Construction Site Name: **Ivanpah Solar Electric Generating Facility**	
Construction stage and completed activities: **Heliostat setting and tower completion in Unit I; Tower erection, PSB instillation, and pylon insertion in Unit II; Tower erection and PSB installation in Unit III; Heliostat assembly**	Approximate area of exposed site:

Weather and Observations			
Date Rain Predicted to Occur: **None in the next 10 days**		Predicted % chance of rain: **NA**	
Estimate storm beginning: (date and time)	Estimate storm duration:	Estimate time since last storm: **14 days** (days or hours)	Rain gauge reading: **0.00** (inches)

Observations: If yes identify location		
Odors	Yes □	No ■
Floating material	Yes □	No ■
Suspended Material	Yes □	No ■
Sheen	Yes □	No ■
Discolorations	Yes □	No ■
Turbidity	Yes □	No ■

Site Inspections			
Outfalls or BMPs Evaluated		**Deficiencies Noted**	
(add additional sheets or attached detailed BMP Inspection Checklists)			
Lake Bed		**The lake bed is dry.**	
Silt Fence		**All previous repairs have been completed. The wind storm caused several rips in the fence that will need to be fixed. The silt fence along the Common East Perimeter has been removed and replaced with Straw Hay Bales.**	
Straw Hay Bales		**Straw Hay Bales were spot checked for damage. Some bales still need to be stacked down.**	
Photos Taken:	Yes ■	No □	Photo Reference IDs: **05091201 to 05091206**

Corrective Actions Identified (note if SWPPP/REAP change is needed)

Inspector Information		
Inspector Name: **Lorie Palkow**	Inspector Title: **CEL**	
Signature: Lorie Palkow		Date: 5/10/12

Dry Lake Bed

Silt Fence Repaired in the Switch Yard

Silt Fence in Need of Repair Along Switch Yard

Silt Fence in Need of Repair Along Switch Yard

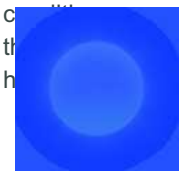
Silt Fence in Need of Repair Along Switch Yard

Silt Fence Replaced by Hay Bales Along Common East Perimiter

Nipton Weather

Local Pollen Alert

Expect dry
c
th
h



Right Now
Today
Hourly
Tomorrow
Weekend
5 Day
10 Day
Monthly
Map

Forecasts

Golf
Picnic & Grilling
Pollen
Travel

Take the weather with me:

10 Day Forecast

Updated: May 10, 2012, 8:17am PDT

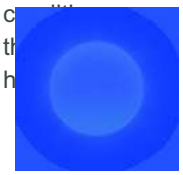
Today May 10	Sunny	92°F 67°F	CHANCE OF RAIN: 0%	WIND: SSW at 14 mph	Details
Fri May 11	Sunny	91° 68°	CHANCE OF RAIN: 0%	WIND: SSW at 11 mph	Details
Sat May 12	Sunny	92° 68°	CHANCE OF RAIN: 0%	WIND: S at 7 mph	Details
Sun May 13	Sunny	92° 69°	CHANCE OF RAIN: 0%	WIND: N at 8 mph	Details
Mon May 14	Sunny	92° 70°	CHANCE OF RAIN: 0%	WIND: NE at 8 mph	Details
Tue May 15	Sunny	93° 67°	CHANCE OF RAIN: 0%	WIND: S at 15 mph	Details
Wed May 16	Sunny	91° 67°	CHANCE OF RAIN: 0%	WIND: S at 11 mph	Details
Thu May 17	Sunny	90° 66°	CHANCE OF RAIN: 0%	WIND: S at 13 mph	Details
Fri May 18	Sunny	87° 65°	CHANCE OF RAIN: 0%	WIND: SSW at 13 mph	Details

Monthly Forecast

Nipton Weather

Local Pollen Alert

Expect dry c… th… h…



Right Now
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Forecasts

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Take the weather with me:

10 Day Forecast

Updated: May 7, 2012, 9:09am PDT

Today May 7	Partly Cloudy / Wind	78°F	60°F	CHANCE OF RAIN: 0%	WIND: N at 25 mph Details
Tue May 8	Mostly Sunny	85°	63°	CHANCE OF RAIN: 0%	WIND: NNE at 14 mph Details
Wed May 9	Sunny	89°	67°	CHANCE OF RAIN: 0%	WIND: ENE at 8 mph Details
Thu May 10	Sunny	91°	68°	CHANCE OF RAIN: 0%	WIND: SSW at 10 mph Details
Fri May 11	Sunny	90°	69°	CHANCE OF RAIN: 0%	WIND: S at 9 mph Details
Sat May 12	Sunny	91°	68°	CHANCE OF RAIN: 0%	WIND: S at 8 mph Details
Sun May 13	Sunny	88°	67°	CHANCE OF RAIN: 0%	WIND: SSW at 12 mph Details
Mon May 14	Sunny	87°	66°	CHANCE OF RAIN: 0%	WIND: WSW at 11 mph Details
Tue May 15	Sunny	89°	66°	CHANCE OF RAIN: 0%	WIND: S at 11 mph Details
Wed May 16		89°	66°	CHANCE OF RAIN: 0%	WIND: S at 14 mph

Visual Inspection Field Log

Risk Level 1, 2, 3 ***Visual Inspection Field Log Sheet***						
Date and Time of Inspection: **05/16/2012 off and on all day and 05/17/12 0830 – 1000**				Report Date: **05/17/12**		
Inspection Type:	■ Weekly	□ Before predicted rain	□ During rain event	□ Following qualifying rain event	□ Contained stormwater release	□ Quarterly non-storm water

Site Information	
Construction Site Name: **Ivanpah Solar Electric Generating Facility**	
Construction stage and completed activities: **Heliostat setting and tower completion in Unit I; Tower erection, PSB instillation, mowing, pylon insertion, and heliostat setting in Unit II; Tower erection and PSB installation in Unit III; Heliostat assembly**	Approximate area of exposed site:

Weather and Observations			
Date Rain Predicted to Occur: **None in the next 10 days**		Predicted % chance of rain: **NA**	
Estimate storm beginning: (date and time)	Estimate storm duration:	Estimate time since last storm: **21 days** (days or hours)	Rain gauge reading: **0.00** (inches)

Observations: If yes identify location		
Odors	Yes □	No ■
Floating material	Yes □	No ■
Suspended Material	Yes □	No ■
Sheen	Yes □	No ■
Discolorations	Yes □	No ■
Turbidity	Yes □	No ■

Site Inspections			
Outfalls or BMPs Evaluated		**Deficiencies Noted**	
(add additional sheets or attached detailed BMP Inspection Checklists)			
Lake Bed		**The lake bed is dry.**	
Silt Fence		**The areas from last weeks report that were ripped or frayed have been replaced with new silt fence. Two additional areas have started to experience the same type of tearing and need to be repaired.**	
Fuel Transfer Area		**Two additional drive on secondary containment units have been installed in the fuel transfer area near the mechanic shop. In addition, the fuel trucks are being parked on these units when not in use.**	
Photos Taken:	Yes ■	No □	Photo Reference IDs: **05161201, 05171201, 05171202, 05171203, and 05171204**

Corrective Actions Identified (note if SWPPP/REAP change is needed)

Inspector Information		
Inspector Name: **Lorie Palkow**	Inspector Title: **CEL**	
Signature: Lorie Palkow		Date: 5/17/12

Dry Lake Bed

New Silt Fence In Switch Yard Area

Silt Fence in Need of Repair In Switch Yard

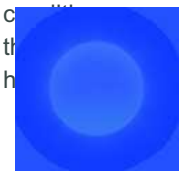
Silt Fence in Need of Repair In Switch Yard

Additional Containment Added to Fueling Area

Nipton Weather

Wind Advisory from Thu, 2pm until Thu, 11pm PDT

Expect dry c… th… h…



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Travel

Take the weather with me:

10 Day Forecast

Updated: May 17, 2012, 8:18am PDT

Today May 17	Partly Cloudy / Wind	96°F 68°F	CHANCE OF RAIN: 0%	WIND: SSW at 23 mph	Details
Fri May 18	Mostly Sunny	87° 65°	CHANCE OF RAIN: 0%	WIND: W at 14 mph	Details
Sat May 19	Sunny	90° 68°	CHANCE OF RAIN: 0%	WIND: ENE at 7 mph	Details
Sun May 20	Sunny	94° 71°	CHANCE OF RAIN: 0%	WIND: E at 6 mph	Details
Mon May 21	Sunny	97° 71°	CHANCE OF RAIN: 0%	WIND: S at 13 mph	Details
Tue May 22	Sunny	94° 70°	CHANCE OF RAIN: 0%	WIND: SSW at 12 mph	Details
Wed May 23	Sunny	93° 67°	CHANCE OF RAIN: 0%	WIND: S at 13 mph	Details
Thu May 24	Sunny	90° 66°	CHANCE OF RAIN: 0%	WIND: SSW at 15 mph	Details
Fri May 25	Sunny	86° 65°	CHANCE OF RAIN: 0%	WIND: SSW at 13 mph	Details

Monthly Forecast

Nipton Weather

Expect dry c… th… h…

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Take the weather with me:

10 Day Forecast

Updated: May 14, 2012, 12:08pm PDT

Today May 14	Sunny	94°F 70°F	CHANCE OF RAIN: 0%	WIND: E at 10 mph	Details
Tue May 15	Sunny / Wind	95° 68°	CHANCE OF RAIN: 0%	WIND: S at 22 mph	Details
Wed May 16	Sunny	95° 71°	CHANCE OF RAIN: 0%	WIND: SSW at 8 mph	Details
Thu May 17	Sunny / Wind	96° 69°	CHANCE OF RAIN: 0%	WIND: SSW at 21 mph	Details
Fri May 18	Sunny	86° 66°	CHANCE OF RAIN: 0%	WIND: SSW at 13 mph	Details
Sat May 19	Sunny	89° 67°	CHANCE OF RAIN: 0%	WIND: SW at 8 mph	Details
Sun May 20	Sunny	92° 68°	CHANCE OF RAIN: 0%	WIND: SSE at 9 mph	Details
Mon May 21	Sunny	95° 69°	CHANCE OF RAIN: 0%	WIND: S at 9 mph	Details
Tue May 22	Sunny	94° 72°	CHANCE OF RAIN: 0%	WIND: S at 12 mph	Details
Wed May 23	Sunny	94° 70°	CHANCE OF RAIN: 0%	WIND: SSW at 12 mph	Details

Monthly Forecast

Visual Inspection Field Log

Risk Level 1, 2, 3 ***Visual Inspection Field Log Sheet***						
Date and Time of Inspection: **05/23/2012 off and on all day**				Report Date: **05/23/12**		
Inspection Type:	■ Weekly	□ Before predicted rain	□ During rain event	□ Following qualifying rain event	□ Contained stormwater release	□ Quarterly non-storm water

Site Information	
Construction Site Name: **Ivanpah Solar Electric Generating Facility**	
Construction stage and completed activities: **Heliostat setting and tower completion in Unit I; Tower erection, PSB instillation, mowing, pylon insertion, and heliostat setting in Unit II; Tower erection and PSB installation in Unit III; Heliostat assembly**	Approximate area of exposed site:

Weather and Observations			
Date Rain Predicted to Occur: **None in the next 10 days**		Predicted % chance of rain: **NA**	
Estimate storm beginning: (date and time)	Estimate storm duration:	Estimate time since last storm: **27 days** (days or hours)	Rain gauge reading: **0.00** (inches)

Observations: If yes identify location		
Odors	Yes □	No ■
Floating material	Yes □	No ■
Suspended Material	Yes □	No ■
Sheen	Yes □	No ■
Discolorations	Yes □	No ■
Turbidity	Yes □	No ■

Site Inspections	
Outfalls or BMPs Evaluated	**Deficiencies Noted**
(add additional sheets or attached detailed BMP Inspection Checklists)	
Lake Bed	**The lake bed is dry.**
Silt Fence	**A section of silt fence was replaced due to the fraying and tearing. Another small section is also starting to rip at the top. In addition, two other issues were identified as needing repair (see photos).**

Photos Taken:	Yes ■	No □	Photo Reference IDs: **05231201 to 05231204**

Corrective Actions Identified (note if SWPPP/REAP change is needed)

Inspector Information	
Inspector Name: **Lorie Palkow**	Inspector Title: **CEL**
Signature: Lorie Palkow	Date: 5/23/12

Dry Lake Bed

New Silt Fence Along the Switch Yard

Silt Fence in Need of Repair in Switch Yard

Silt Fence in Need of Repair in Switch Yard

Nipton Weather

Wind Advisory from Fri, 11am until Fri, 8pm PDT

Expect dry c… th… h…

Right Now
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Take the weather with me:

10 Day Forecast

Updated: May 23, 2012, 3:08pm PDT

Tonight May 23	Clear	94°F Observed High 3:05 pm	68°F	CHANCE OF RAIN: 0%	WIND: NW at 12 mph Details
Thu May 24	Sunny	90°	66°	CHANCE OF RAIN: 0%	WIND: ESE at 19 mph Details
Fri May 25	Sunny / Wind	82°	54°	CHANCE OF RAIN: 0%	WIND: SSW at 34 mph Details
Sat May 26	Sunny	72°	57°	CHANCE OF RAIN: 0%	WIND: SW at 16 mph Details
Sun May 27	Sunny	81°	62°	CHANCE OF RAIN: 0%	WIND: ENE at 7 mph Details
Mon May 28	Sunny	88°	66°	CHANCE OF RAIN: 0%	WIND: S at 8 mph Details
Tue May 29	Sunny	93°	68°	CHANCE OF RAIN: 0%	WIND: S at 10 mph Details
Wed May 30	Sunny	94°	69°	CHANCE OF RAIN: 0%	WIND: S at 9 mph Details
Thu May 31	Sunny	97°	72°	CHANCE OF RAIN: 0%	WIND: S at 8 mph Details

Sunny

Nipton Weather

Expect dry
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Take the weather with me:

My 10 Day Forecast

Updated: May 21, 2012, 9:06am PDT

Today May 21	Sunny	98°F 73°F	CHANCE OF RAIN: 0%	WIND: SSE at 12 mph	Details
Tue May 22	Sunny	98° 71°	CHANCE OF RAIN: 0%	WIND: SSW at 17 mph	Details
Wed May 23	Sunny	93° 67°	CHANCE OF RAIN: 0%	WIND: W at 12 mph	Details
Thu May 24	Sunny	86° 65°	CHANCE OF RAIN: 0%	WIND: NNW at 12 mph	Details
Fri May 25	Sunny / Wind	84° 58°	CHANCE OF RAIN: 0%	WIND: SSW at 29 mph	Details
Sat May 26	Mostly Sunny	77° 62°	CHANCE OF RAIN: 0%	WIND: SW at 15 mph	Details
Sun May 27	Sunny	88° 66°	CHANCE OF RAIN: 0%	WIND: S at 9 mph	Details
Mon May 28	Sunny	92° 68°	CHANCE OF RAIN: 0%	WIND: S at 9 mph	Details
Tue May 29	Sunny	94° 71°	CHANCE OF RAIN: 0%	WIND: S at 10 mph	Details
Wed May 30	Sunny	95° 68°	CHANCE OF RAIN: 0%	WIND: SSW at 14 mph	Details

Monthly Forecast

Visual Inspection Field Log

Risk Level 1, 2, 3 Visual Inspection Field Log Sheet						
Date and Time of Inspection: **05/29/2012 1300 – 1530 and 05/30/12 0800 - 1100**				Report Date: **05/30/12**		
Inspection Type:	■ Weekly	□ Before predicted rain	□ During rain event	□ Following qualifying rain event	□ Contained stormwater release	□ Quarterly non-storm water

Site Information	
Construction Site Name: **Ivanpah Solar Electric Generating Facility**	
Construction stage and completed activities: **Heliostat setting and tower completion in Unit I; Tower erection, PSB instillation, mowing, pylon insertion, and heliostat setting in Unit II; Tower erection and PSB installation in Unit III; Heliostat assembly**	Approximate area of exposed site:

Weather and Observations			
Date Rain Predicted to Occur: **None in the next 10 days**		Predicted % chance of rain: **NA**	
Estimate storm beginning: (date and time)	Estimate storm duration:	Estimate time since last storm: **34 days** (days or hours)	Rain gauge reading: **0.00** (inches)

Observations: If yes identify location		
Odors	Yes □	No ■
Floating material	Yes □	No ■
Suspended Material	Yes □	No ■
Sheen	Yes □	No ■
Discolorations	Yes □	No ■
Turbidity	Yes □	No ■

Site Inspections	
Outfalls or BMPs Evaluated	**Deficiencies Noted**
(add additional sheets or attached detailed BMP Inspection Checklists)	
Lake Bed	**The lake bed is dry.**
Silt Fence	**All previously identified repairs were made. A few more areas are now starting to tear and need to be replaced. A repair request was submitted to Jose Partida.**
Straw Hay Bales	**Hay Bales were spot checked for damage.**

Photos Taken:	Yes ■	No □	Photo Reference IDs: **05291201 to 05291206**

Corrective Actions identified (note if SWPPP/REAP change is needed)

Inspector Information		
Inspector Name: **Lorie Palkow**	Inspector Title: **CEL**	
Signature: Lorie Palkow		Date: 5/30/12

Dry Lake Bed

Silt Fence Repaired in Switch Yard

Silt Fence Repaired in Switch Yard

Silt Fence Repaired in Switch Yard

Silt Fence in Need of Repair in Switch Yard

Silt Fence in Need of Repair in Switch Yard

Nipton Weather

Expect dry c… th… h…

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Take the weather with me:

10 Day Forecast

Updated: May 29, 2012, 5:08am PDT

Today May 29	Sunny	91°F	67°F	CHANCE OF RAIN: 0%	WIND: S at 11 mph Details
Wed May 30	Sunny	94°	71°	CHANCE OF RAIN: 0%	WIND: NNE at 5 mph Details
Thu May 31	Sunny	98°	74°	CHANCE OF RAIN: 0%	WIND: N at 7 mph Details
Fri Jun 1	Sunny	99°	75°	CHANCE OF RAIN: 0%	WIND: SSE at 9 mph Details
Sat Jun 2	Sunny	98°	75°	CHANCE OF RAIN: 0%	WIND: S at 13 mph Details
Sun Jun 3	Sunny	93°	72°	CHANCE OF RAIN: 0%	WIND: S at 14 mph Details
Mon Jun 4	Sunny	93°	70°	CHANCE OF RAIN: 0%	WIND: S at 15 mph Details
Tue Jun 5	Sunny	92°	70°	CHANCE OF RAIN: 0%	WIND: SSW at 15 mph Details
Wed Jun 6	Sunny	92°	69°	CHANCE OF RAIN: 0%	WIND: SSW at 14 mph Details
Thu Jun 7	Sunny	94°	72°	CHANCE OF RAIN: 0%	WIND: S at 12 mph Details

Print 10 Day Forecast | Monthly Forecast

Storm Water Pollution Prevention Summary May 2012
BMPs (Best Management Practices) Implemented

Silt fences are located on the down slope side of the switch yard and spaced out in Common West. A straw wattle is in place around the wheel wash area. In addition, straw hay bales have been placed around the east perimeters of the units and Common East.

Inspections
Inspections are made once per week, prior to a 50% or greater chance of rain, and after a qualifying rain event.

See the attached inspection reports.

Conclusion
During this reporting period, everything was found to be in compliance with the Storm Water Pollution Prevention Plan as amended by the CEC directives.

From: Palkow, Lorie
To: Jennifer Wallens
Subject: FW: may fence report completed
Date: Monday, June 11, 2012 9:09:52 AM

Jennifer,

The items on the May fence report have been checked off and approved. (See e-mail below from Lori Rose)

Thank you,

Lorie Palkow
CEL
Bechtel Power
lmpalkow@bechtel.com
415-768-8708

From: Lori Rose [mailto:lorirose@infowest.com]
Sent: Thursday, June 07, 2012 12:45 PM
To: Mouilso, Jack
Cc: Copeland, Terry; Palkow, Lorie; Davis, Doug (BSE); Jennifer Wallens
Subject: may fence report completed

Jack:

The May 2012 Fence Report repairs were completed today to our satisfaction. Thank you very much!

Lori Rose

Exhibit 6

Worker Environmental Awareness Program
Summary
Conditions of Certification
BIO-6, CUL-5, and PAL-4

Ivanpah SEGS WEAP Training Log

Last Name	First Name	Company	Date of Initial WEAP Training	Sticker	Annual Retraining Date	Training Renewal Date
Fine	Fred	Bechtel Corp	9/20/2010	yes	9/15/2011	9/15/2012
Kindell	Chris	BrightSource Energy	9/20/2010	yes		9/20/2011
Davis	Doug	BrightSource Energy	9/20/2010	yes	9/15/2011	9/15/2012
Wheaton	Tracie	BrightSource Energy	9/20/2010	yes		9/20/2011
Hiss	Amy	CH2MHill	9/20/2010	yes		9/20/2011
Spaulding	Geoffrey	CH2MHill	9/20/2010	yes		9/20/2011
Allan	Rebecca	CH2MHill	9/20/2010	yes		9/20/2011
Varner	Brian	Crown Fence	9/20/2010	yes	9/15/2011	9/15/2012
Espitia	Evert	Crown Fence	9/20/2010	yes		9/20/2011
Hayes	Jeff	Crown Fence	9/20/2010	yes	9/15/2011	9/15/2012
Hereda	Jose	Crown Fence	9/20/2010	yes		9/20/2011
Vargas	Jose	Crown Fence	9/20/2010	yes	9/15/2011	9/15/2012
Blankemeyer	Kyle	Crown Fence	9/20/2010	yes	9/15/2011	9/15/2012
Lopez Fragoso	Margarito	Crown Fence	9/20/2010	yes	9/15/2011	9/15/2012
Rodriguez	Petronilo	Crown Fence	9/20/2010	yes		9/20/2011
Blankemeyer	Tony	Crown Fence	9/20/2010	yes	9/15/2011	9/15/2012
Cruz	Tyler	Crown Fence	9/20/2010	yes		9/20/2011
Fitzgerald	Danny	Las Vegas Paving	9/20/2010	yes		9/20/2011
Witt	Jim	Las Vegas Paving	9/20/2010	yes	9/15/2011	9/15/2012
Pulido	Mitchell	Las Vegas Paving	9/20/2010	yes		9/20/2011
Thomas	Richard	Las Vegas Paving	9/20/2010	yes		9/20/2011
Esposito	Brian	Native Resources	9/20/2010	yes	9/29/2011	9/29/2012
Deason	Jeff	Native Resources	9/20/2010	yes		9/20/2011
Craig	Jill	Native Resources	9/20/2010	yes		9/20/2011
Pina	Jose	Native Resources	9/20/2010	yes		9/20/2011
Espinoza	Liango	Native Resources	9/20/2010	yes		9/20/2011
Hernandez	Victor	Native Resources	9/20/2010	yes		9/20/2011
Schell	Paul	RBF	9/20/2010	yes		9/20/2011
Fairchild	Holly	SNEI	9/20/2010	NO		9/20/2011
Minic	Marija	SNEI	9/20/2010	yes		9/20/2011
Lukach	Michael	SNEI	9/20/2010	yes		9/20/2011
Carney	Matthew	Bechtel Corp	9/30/2010	yes	9/15/2011	9/15/2012
Bertrand	Kevin	BrightSource Energy	9/30/2010	yes		9/30/2011
Chavez Jr.	Alfred	Crown Fence	9/30/2010	yes		9/30/2011
Braden	Charles	Crown Fence	9/30/2010	yes	9/15/2011	9/15/2012
Windh	Jason	Crown Fence	9/30/2010	yes		9/30/2011
Jimenez	Michael	Bechtel Corp	9/30/2010	yes	1/26/2012	1/26/2013
Durham	Nolan	Crown Fence	9/30/2010	yes	9/15/2011	9/15/2012
Mendoza	Raymond	Crown Fence	9/30/2010	yes		9/30/2011
Pelley	Robert	Crown Fence	9/30/2010	yes		9/30/2011
Briseno	Rudy	Crown Fence	9/30/2010	yes	9/15/2011	9/15/2012
Briseno	Benjamin	Crown Fence	9/30/2010	yes	9/15/2011	9/15/2012
Briones	Rod	Union Local 783	9/30/2010	yes	10/20/2011	10/20/2012
Kung	Mike	Teamsters 166	9/30/2010	yes		9/30/2011
Stanley	Robert	Teamsters 166	9/30/2010	yes		9/30/2011
Zaragoza	Alfonzo	Union Local 783	9/30/2010	yes		9/30/2011
Olguin	Anthony	Union Local 783	9/30/2010	yes		9/30/2011
Yniguez	Basilio	Union Local 783	9/30/2010	yes		9/30/2011
Lanning	Chris	Union Local 783	9/30/2010	yes		9/30/2011
Scott	Christopher	Union Local 783	9/30/2010	yes		9/30/2011
Daugharty	Cullen	Union Local 783	9/30/2010	yes		9/30/2011

Ivanpah SEGS WEAP Training Log

Pope	Curtis	Union Local 783	9/30/2010	yes		9/30/2011
Dominguez	Daniel	Union Local 783	9/30/2010	yes		9/30/2011
Bucci	Dino	Crown Fence	9/30/2010	yes	10/13/2011	10/13/2012
Valles	Eddie	Union Local 783	9/30/2010	yes		9/30/2011
Mendez	Edward	Union Local 783	9/30/2010	yes		9/30/2011
Morales	Elias	Union Local 783	9/30/2010	yes		9/30/2011
Amador	Fabiau	Union Local 783	9/30/2010	yes		9/30/2011
Zavala	Francisco	Union Local 783	9/30/2010	yes		9/30/2011
Adams Jr.	Fred	Union Local 783	9/30/2010	yes		9/30/2011
Hernandez	Gerardo	Crown Fence	9/30/2010	yes	9/15/2011	9/15/2012
Hardy	Harmon	Crown Fence	9/30/2010	yes	9/15/2011	9/15/2012
Gonzalez	Jaime	Union Local 783	9/30/2010	yes		9/30/2011
Martinez	Jaime	Union Local 783	9/30/2010	yes		9/30/2011
Chavez	Jeremy	Union Local 783	9/30/2010	yes		9/30/2011
Lomeli	Jose	Union Local 783	9/30/2010	yes		9/30/2011
Aviles	Juan	Union Local 783	9/30/2010	yes		9/30/2011
Ortiz	Juan	Union Local 783	9/30/2010	yes		9/30/2011
Vergara	Juan	Union Local 783	9/30/2010	yes		9/30/2011
Passmore	Lonnie	Union Local 783	9/30/2010	yes	10/20/2011	10/20/2012
Cline	Mark	Union Local 783	9/30/2010	yes		9/30/2011
Salazar	Mark	Union Local 783	9/30/2010	yes		9/30/2011
Robles Jr.	Michael	Union Local 783	9/30/2010	yes		9/30/2011
Shell	Michael	Union Local 783	9/30/2010	yes		9/30/2011
Tim	Miller	Union Local 783	9/30/2010	yes		9/30/2011
Zebada	Oscar	Union Local 783	9/30/2010	yes		9/30/2011
Sipes	Randal	Union Local 783	9/30/2010	yes		9/30/2011
Yanez	Robert	Union Local 783	9/30/2010	yes		9/30/2011
Castillo	Salvador	Union Local 783	9/30/2010	yes		9/30/2011
Zarazua	Salvador	Union Local 783	9/30/2010	yes	3/1/2012	3/1/2013
Heminger	Samuel	Union Local 783	9/30/2010	yes		9/30/2011
Vuiller	Sebastian	Union Local 783	9/30/2010	yes		9/30/2011
Peralta	Thomas	Union Local 783	9/30/2010	yes		9/30/2011
Crum	Timothy	Union Local 783	9/30/2010	yes		9/30/2011
Hunter	Timothy	Union Local 783	9/30/2010	yes	3/1/2012	3/1/2013
Andreasen	Warren	Union Local 783	9/30/2010	yes		9/30/2011
Haley	Chris	Addison Equipment	10/1/2010	yes		10/1/2011
Fellabaum	Jason	Addison Equipment	10/1/2010	yes		10/1/2011
Darling	Randy	Addison Equipment	10/1/2010	yes		10/1/2011
Laird	Bradley	Crown Fence	10/1/2010	yes		10/1/2011
Gates	Cecil	Crown Fence	10/1/2010	yes	10/20/2011	10/20/2012
Hoskins	Chris	Crown Fence	10/1/2010	yes	9/15/2011	9/15/2012
Wilkins	Clarence	Crown Fence	10/1/2010	yes		10/1/2011
Gates	Dalene	Crown Fence	10/1/2010	yes	9/15/2011	9/15/2012
Quiroz	Dolores	Crown Fence	10/1/2010	yes		10/1/2011
Eustace	Doug	Crown Fence	10/1/2010	yes		10/1/2011
Fiedler	Eric	Crown Fence	10/1/2010	yes		10/1/2011
Rodriguez	Guillermo	Crown Fence	10/1/2010	yes		10/1/2011
Buenostro	Jaime	Crown Fence	10/1/2010	yes		10/1/2011
Ordonez-Escoba	Juan	Crown Fence	10/1/2010	yes	9/15/2011	9/15/2012
Molina	Luis	Crown Fence	10/1/2010	yes	9/15/2011	9/15/2012
Williams	Mike	Crown Fence	10/1/2010	yes	11/17/2011	11/17/2012
Fiedler	Richard	Crown Fence	10/1/2010	yes		10/1/2011
Ochoa	Roberto	Crown Fence	10/1/2010	yes		10/1/2011
Mallon	Collin	Bechtel Corp	10/6/2010	yes	10/6/2011	10/6/2012
Ivany	Jim	Bechtel Corp	10/6/2010	yes		10/6/2011

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Lauer	Kenneth	Bechtel Corp	10/6/2010	yes	11/10/2011	11/10/2012
Wagner	Mark	Bechtel Corp	10/6/2010	yes	10/27/2011	10/27/2012
Staszesky	Paul	Bechtel Corp	10/6/2010	yes		10/6/2011
Carr	Peter	Bechtel Corp	10/6/2010	yes		10/6/2011
Regalado	Robert	Bechtel Corp	10/6/2010	yes	10/20/2011	10/20/2012
Hipson	Steve	Bechtel Corp	10/6/2010	yes		10/6/2011
Copeland	Terry	Bechtel Corp	10/6/2010	yes	10/13/2011	10/13/2012
Frankert	Tom	Bechtel Corp	10/6/2010	yes	10/6/2011	10/6/2012
Horniak	Tom	Bechtel Corp	10/6/2010	yes		10/6/2011
Cudmore	Walt	Bechtel Corp	10/6/2010	yes	10/6/2011	10/6/2012
Siegelstein	Andrew	BrightSource Energy	10/6/2010	yes		10/6/2011
Aguilar	Carlos	BrightSource Energy	10/6/2010	yes		10/6/2011
Orr	Ophir	BrightSource Energy	10/6/2010	yes		10/6/2011
Day	Rainey	BrightSource Energy	10/6/2010	yes	9/29/2011	9/29/2012
DeYoung	Steve	BrightSource Energy	10/6/2010	yes		10/6/2011
Stewart	Todd	BrightSource Energy	10/6/2010	yes		10/6/2011
Jones	Bill	Bureau Veritas	10/6/2010	yes	10/6/2011	10/6/2012
Boyer	Bruce	Bureau Veritas	10/6/2010	yes	10/6/2011	10/6/2012
Rosso	John	Bureau Veritas	10/6/2010	yes		10/6/2011
Werfal	John	Bureau Veritas	10/6/2010	yes	10/13/2011	10/13/2012
Tobin	Mark	Bureau Veritas	10/6/2010	yes		10/6/2011
Vosler	Terry	Bureau Veritas	10/6/2010	yes	10/6/2011	10/6/2012
Hunt	Dan	Cashman Equipment	10/6/2010	yes		10/6/2011
Luis	Dan	Cashman Equipment	10/6/2010	yes		10/6/2011
Carns	David	Cashman Equipment	10/6/2010	yes		10/6/2011
Lohouse	Donald	Cashman Equipment	10/6/2010	yes		10/6/2011
Pierce	Donald	Cashman Equipment	10/6/2010	yes		10/6/2011
Jensen	Jack	Cashman Equipment	10/6/2010	yes		10/6/2011
Widdison	Jason	Cashman Equipment	10/6/2010	yes		10/6/2011
Gray	Mike	Cashman Equipment	10/6/2010	yes		10/6/2011
Powada	Mike	Cashman Equipment	10/6/2010	yes		10/6/2011
Gerke	Nicholas	Cashman Equipment	10/6/2010	yes		10/6/2011
Deschen	Phillip	Cashman Equipment	10/6/2010	yes		10/6/2011
Callahan	Steve	Cashman Equipment	10/6/2010	yes		10/6/2011
Boarman	William	CSRC	10/6/2010	yes		10/6/2011
Goodlett	Gilbert	Enviro Plus Consulting	10/6/2010	yes		10/6/2011
Hoffman	Bryan	Hercules Machinery	10/6/2010	yes		10/6/2011
Byram	David	Hercules Machinery	10/6/2010	yes		10/6/2011
Dame	Tom	Hercules Machinery	10/6/2010	yes		10/6/2011
Dear	Jennie	Kiva Biological	10/6/2010	yes		10/6/2011
Monus	Jerry	Kiva Biological	10/6/2010	yes		10/6/2011
Woodman	Peter	Kiva Biological	10/6/2010	yes	9/29/2011	9/29/2012
Scurlock	Barrett	Knight and Leavitt	10/6/2010	yes		10/6/2011
Cogar	Crystal	Knight and Leavitt	10/6/2010	yes		10/6/2011
Ekenstam	DeVon	Knight and Leavitt	10/6/2010	yes	10/6/2011	10/6/2012
Drollinger	Gene	Knight and Leavitt	10/6/2010	yes	10/6/2011	10/6/2012
Stevens	Melinda	Knight and Leavitt	10/6/2010	yes	10/6/2011	10/6/2012
Shaffer	Brandon	Las Vegas Paving	10/6/2010	yes	9/29/2011	9/29/2012
Peressini	Dan	Las Vegas Paving	10/6/2010	yes		10/6/2011
Phillips	Jeff	Las Vegas Paving	10/6/2010	yes	9/29/2011	9/29/2012
Murphy	Kelly	Las Vegas Paving	10/6/2010	yes		10/6/2011
Gainey	Leonard	Las Vegas Paving	10/6/2010	yes		10/6/2011
Warren	Michele	Las Vegas Paving	10/6/2010	yes		10/6/2011
Griffith	Richard	Las Vegas Paving	10/6/2010	yes	9/29/2011	9/29/2012
Regan	Sean	Las Vegas Paving	10/6/2010	yes		10/6/2011

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Carter	Tex	Las Vegas Paving	10/6/2010	yes	9/29/2011	9/29/2012
Hildreth	Troy	Las Vegas Paving	10/6/2010	yes	11/3/2011	11/3/2012
Speakman	William	Las Vegas Paving	10/6/2010	yes	9/29/2011	9/29/2012
Nance	Adam	Native Resources	10/6/2010	yes		10/6/2011
Aguilar	Francisco	Native Resources	10/6/2010	yes		10/6/2011
Martinez	Gavino	Native Resources	10/6/2010	yes		10/6/2011
Jordan	Jake	Native Resources	10/6/2010	yes		10/6/2011
Morales	Juan	Native Resources	10/6/2010	yes	9/29/2011	9/29/2012
Calderon	Ruben	Native Resources	10/6/2010	yes	9/29/2011	9/29/2012
Luna	Ruben	Native Resources	10/6/2010	yes	9/29/2011	9/29/2012
Halley	Cathy	Phoenix Ecological	10/6/2010	yes		10/6/2011
Halley	Chris	Phoenix Ecological	10/6/2010	yes		10/6/2011
Holloway	Josh	Phoenix Ecological	10/6/2010	yes	9/29/2011	9/29/2012
Young	Ryan	Phoenix Ecological	10/6/2010	yes		10/6/2011
Jackson	Thomas	Phoenix Ecological	10/6/2010	yes	10/27/2011	10/27/2012
Torres	Jaime	Securitas	10/6/2010	yes		10/6/2011
Jones	Marilyn	Securitas	10/6/2010	yes		10/6/2011
Jones	Marilyn	Securitas	10/6/2010	yes		10/6/2011
Flint	Ronald	Securitas	10/6/2010	yes		10/6/2011
Cadenas	Santos	Securitas	10/6/2010	yes		10/6/2011
Stevens	Sirena	Securitas	10/6/2010	yes		10/6/2011
Langi	Uinimila	Securitas	10/6/2010	yes		10/6/2011
Reynolds	Warren	Securitas	10/6/2010	yes		10/6/2011
Lamb	Pat	Native Resources	10/6/2010	yes		10/6/2011
Depremesnil	Alain	Sundance Biology	10/6/2010	yes	9/29/2011	9/29/2012
Scheib	Amanda	Sundance Biology	10/6/2010	yes	9/29/2011	9/29/2012
Spenceley	Ashley	Sundance Biology	10/6/2010	yes		10/6/2011
Blosser	Bret	Sundance Biology	10/6/2010	yes	9/29/2011	9/29/2012
Llewellyn	Chandra	Sundance Biology	10/6/2010	yes		10/6/2011
Stirling	Christine	Sundance Biology	10/6/2010	yes	10/27/2011	10/27/2012
McClurg	Colden	Sundance Biology	10/6/2010	yes	9/29/2011	9/29/2012
Himmelweight	Craig	Sundance Biology	10/6/2010	yes	9/29/2011	9/29/2012
Zylstra	Erin	Sundance Biology	10/6/2010	yes		10/6/2011
Keyes Jr.	George	Sundance Biology	10/6/2010	yes	9/29/2011	9/29/2012
Smith	Jacquelyn	Sundance Biology	10/6/2010	yes	10/27/2011	10/27/2012
Meyers	Jay	Sundance Biology	10/6/2010	yes	9/29/2011	9/29/2012
Valentine	Jeff	Sundance Biology	10/6/2010	yes	9/29/2011	9/29/2012
Reilly	Jessica	Sundance Biology	10/6/2010	yes	3/29/2012	3/29/2013
	Laura	Sundance Biology	10/6/2010	yes	4/30/2012	10/6/2011
Backus	Leslie	Sundance Biology	10/6/2010	yes		10/6/2011
Rose	Lori	Sundance Biology	10/6/2010	yes	9/29/2011	9/29/2012
Havelka	Max	Sundance Biology	10/6/2010	yes	9/29/2011	9/29/2012
Vaughn	Mercy	Sundance Biology	10/6/2010	yes	9/29/2011	9/29/2012
Traphagen	Myles	Sundance Biology	10/6/2010	yes		10/6/2011
Wiley	Nancy	Sundance Biology	10/6/2010	yes	3/29/2012	3/29/2013
Jones	Nate	Sundance Biology	10/6/2010	yes	9/29/2011	9/29/2012
Stephens	Nicole	Sundance Biology	10/6/2010	yes	10/27/2011	10/27/2012
Crawford	Richard	Sundance Biology	10/6/2010	yes	1/5/2012	1/5/2013
Bartels	Tom	Sundance Biology	10/6/2010	yes	9/29/2011	9/29/2012
Scott	Tracy	Sundance Biology	10/6/2010	yes	9/29/2011	9/29/2012
Ball	Wayne	Sundance Biology	10/6/2010	yes	9/29/2011	9/29/2012
Cancellieri	Bob	Sunstate Equipment	10/6/2010	yes		10/6/2011
Gironard	Brian	Trimble Navigation	10/6/2010	yes	12/15/2011	12/15/2012
Podlorski	Chris	Trimble Navigation	10/6/2010	yes		10/6/2011
George	Dave	Trimble Navigation	10/6/2010	yes		10/6/2011

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Jundt	Jonathan	Cashman Equipment	10/7/2010	yes		10/7/2011
Helton	Clinton	CH2MHill	10/7/2010	yes		10/7/2011
Weise	Bruce	Sundance Biology	10/7/2010	yes	10/20/2011	10/20/2012
Rojansky	Michael	BrightSource II	10/8/2010	yes		10/8/2011
Palkow	Lorie	Bechtel Corp	10/11/2010	yes	9/29/2011	9/29/2012
Hertel	Ron	Bechtel Corp	10/11/2010	yes		10/11/2011
Jabbour	Samuel	Bechtel Corp	10/11/2010	yes		10/11/2011
Eytani	Danny	BrightSource Energy	10/11/2010	yes	12/1/2011	12/1/2012
Baca	Gilbert	Bureau Veritas	10/11/2010	yes	10/6/2011	10/6/2012
Edens	Ava	CH2MHill	10/11/2010	yes		10/11/2011
Clark	William	CH2MHill	10/11/2010	yes		10/11/2011
Botelho	Jennifer	ENGEO	10/11/2010	yes		10/11/2011
Gray	Joe	ENGEO	10/11/2010	yes		10/11/2011
Lam	Patrick	ENGEO	10/11/2010	yes		10/11/2011
Patel	Nimesh	Geotherm	10/11/2010	yes		10/11/2011
Feldman	Emily	Geovision	10/11/2010	yes		10/11/2011
Gonzalez	Victor	Geovision	10/11/2010	yes		10/11/2011
McKinstry	Greg	Halladay and Mimmack	10/11/2010	yes		10/11/2011
Lazo	Guillermo	Halladay and Mimmack	10/11/2010	yes		10/11/2011
Sargent	Jim	IUOE Local 12	10/11/2010	yes		10/11/2011
Watkins	Randall	Knight and Leavitt	10/11/2010	yes	10/6/2011	10/6/2012
Varra	Antonio	Las Vegas Paving	10/11/2010	yes	11/10/2011	11/10/2012
Porizek	Brett	Las Vegas Paving	10/11/2010	yes		10/11/2011
Molitor	Kirk	Las Vegas Paving	10/11/2010	yes	9/29/2011	9/29/2012
Zafra	Marvin	Las Vegas Paving	10/11/2010	yes	9/29/2011	9/29/2012
Barajas	Rafael	Las Vegas Paving	10/11/2010	yes		10/11/2011
Corrat	Sabino	Las Vegas Paving	10/11/2010	yes		10/11/2011
Dunbar	Steve	Las Vegas Paving	10/11/2010	yes		10/11/2011
Hillard	Scott	SBE	10/11/2010	yes		10/11/2011
Nosratbakhsh	Brenden	Sundance Biology	10/11/2010	yes		10/11/2011
Weise	Bruce	Sundance Biology	10/11/2010	yes		10/11/2011
Furman	Cynthia	Sundance Biology	10/11/2010	yes	10/27/2011	10/27/2012
Prival	David	Sundance Biology	10/11/2010	yes	9/29/2011	9/29/2012
Daly	Imogen	Sundance Biology	10/11/2010	yes	9/29/2011	9/29/2012
Borgmeyer	James	Sundance Biology	10/11/2010	yes	10/27/2011	10/27/2012
Brouwer	Jennifer	Sundance Biology	10/11/2010	yes	9/29/2011	9/29/2012
Barratt	Jonathan	Sundance Biology	10/11/2010	yes		10/11/2011
Mjos	Leif	Sundance Biology	10/11/2010	yes	9/29/2011	9/29/2012
Brouwer	Mark	Sundance Biology	10/11/2010	yes		10/11/2011
Bassett	Mike	Sundance Biology	10/11/2010	yes	9/29/2011	9/29/2012
Frank	Paul	Sundance Biology	10/11/2010	yes		10/11/2011
Fuchs	Paul	Sundance Biology	10/11/2010	yes	3/22/2012	3/22/2013
Middleton	Wendy	Sundance Biology	10/11/2010	yes	9/29/2011	9/29/2012
Kruger	Mark	Addison Equipment	10/18/2010	yes		10/18/2011
Nolan	Joan	Bechtel Corp	10/18/2010	yes	10/13/2011	10/13/2012
Steinem	John	Bechtel Corp	10/18/2010	yes	10/13/2011	10/13/2012
Hughes	Robert	Bechtel Corp	10/18/2010	yes	10/13/2011	10/13/2012
Wilson	Travis	Bechtel Corp	10/18/2010	yes	10/6/2011	10/6/2012
Sessions	Adam	Bureau Veritas	10/18/2010	yes		10/18/2011
Griffithe	Kenneth	Bureau Veritas	10/18/2010	yes		10/18/2011
Ansari	Odin	Bureau Veritas	10/18/2010	yes		10/18/2011
Douglas	Joseph	CEC	10/18/2010	yes		10/18/2011
Ewens	Daniel	CH2MHill	10/18/2010	yes		10/18/2011
Boskovich	Dale	Construction Testing	10/18/2010	yes		10/18/2011
Petersen	Harry	Construction Testing	10/18/2010	yes		10/18/2011

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Welch	Cory	Davis Glass	10/18/2010	yes		10/18/2011
Barth	Dale	Davis Glass	10/18/2010	yes		10/18/2011
Jorden	Rob	Davis Glass	10/18/2010	yes		10/18/2011
Parker	Cary	IUOE Local 12	10/18/2010	yes		10/18/2011
Rubinfeld	Corey	Kiva Biological	10/18/2010	yes		10/18/2011
Chuck	Dahlf	Las Vegas Paving	10/18/2010	yes	10/6/2011	10/6/2012
Jones	Jeremy	Las Vegas Paving	10/18/2010	yes		10/18/2011
O'Brien	Brenden	Sundance Biology	10/18/2010	yes	9/29/2011	9/29/2012
Buffington	Jim	Sundance Biology	10/18/2010	yes		10/18/2011
Foley	Kristine	Sundance Biology	10/18/2010	yes	9/29/2011	9/29/2012
Wiley	Bob	Teamsters 166	10/18/2010	yes	10/20/2011	10/20/2012
Duarte	Jose	Teamsters 166	10/18/2010	yes		10/18/2011
Cisco	Fred	Bechtel Corp	10/21/2010	yes		10/21/2011
Walsh	Kevin	Cerba Environmental	10/21/2010	yes		10/21/2011
Firmin	Andy	ENGEO	10/21/2010	yes		10/21/2011
Cottingham	Paul	ENGEO	10/21/2010	yes		10/21/2011
Jewell	George	Jensen Drilling	10/21/2010	yes		10/21/2011
Morrison	John	Jensen Drilling	10/21/2010	yes		10/21/2011
Casey	Joseph	Jensen Drilling	10/21/2010	yes		10/21/2011
Habersaat	Leland	Jensen Drilling	10/21/2010	yes		10/21/2011
Alvarado	Roberto	Jensen Drilling	10/21/2010	yes		10/21/2011
Mach	Alex	Kiva Biological	10/21/2010	yes	9/29/2011	9/29/2012
Steely	Alex	Kiva Biological	10/21/2010	yes		10/21/2011
Abesassis	Clark	Las Vegas Paving	10/21/2010	yes		10/21/2011
Jenkins	Mat	Las Vegas Paving	10/21/2010	yes		10/21/2011
Wirthlin	Pierce	Las Vegas Paving	10/21/2010	yes		10/21/2011
Tibbits	Robert	Las Vegas Paving	10/21/2010	yes		10/21/2011
Minzer	Toby	Las Vegas Paving	10/21/2010	yes		10/21/2011
Wiley	Amy	Sundance Biology	10/21/2010	yes	9/29/2011	9/29/2012
Holmes	Ken	Sundance Biology	10/21/2010	yes		10/21/2011
Holbek	Suren	Sundance Biology	10/21/2010	yes	3/22/2012	3/22/2013
Cassidy	John	Bechtel Corp	10/25/2010	yes	10/20/2011	10/20/2012
Snapp	Randy	Bechtel Corp	10/25/2010	yes		10/25/2011
Keller	Aaron	Kiva Biological	10/25/2010	yes		10/25/2011
Skromme	Arik	Kiva Biological	10/25/2010	yes	12/1/2011	12/1/2012
Hatton	Christina	Kiva Biological	10/25/2010	yes		10/25/2011
Lucas	Kevin	Kiva Biological	10/25/2010	yes		10/25/2011
Dutcher	Kristen	Kiva Biological	10/25/2010	yes		10/25/2011
Sally	Mike	Kiva Biological	10/25/2010	yes	9/29/2011	9/29/2012
McGuire	Raphael	Kiva Biological	10/25/2010	yes		10/25/2011
Jackson	Rosemary	Kiva Biological	10/25/2010	yes	10/13/2011	10/13/2012
Boisvert	Sally	Kiva Biological	10/25/2010	yes		10/25/2011
Hanner	Sara	Kiva Biological	10/25/2010	yes		10/25/2011
Magart	Teresa	Kiva Biological	10/25/2010	yes	9/29/2011	9/29/2012
Hockin	Tim	Kiva Biological	10/25/2010	yes	3/29/2012	3/29/2013
Rasmussen	Tonya	Kiva Biological	10/25/2010	yes	3/22/2012	3/22/2013
Ose	Trevor	Kiva Biological	10/25/2010	yes	12/22/2011	12/22/2012
Llamas	Joe	Las Vegas Paving	10/25/2010	yes	10/20/2011	10/20/2012
Stewart	John	Las Vegas Paving	10/25/2010	yes		10/25/2011
Murphy	Joshua	Las Vegas Paving	10/25/2010	yes	10/20/2011	10/20/2012
Koich	Tim	Las Vegas Paving	10/25/2010	yes		10/25/2011
Hanley	Brenda	Sundance Biology	10/25/2010	yes		10/25/2011
Mitchell	Corey	Sundance Biology	10/25/2010	yes		10/25/2011
Bennett	Courtney	Sundance Biology	10/25/2010	yes		10/25/2011
Copeland	Don	Sundance Biology	10/25/2010	yes		10/25/2011

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Mohlmann	Jake	Sundance Biology	10/25/2010	yes		10/25/2011
Hillman	John	Sundance Biology	10/25/2010	yes	9/29/2011	9/29/2012
Livingston	Patrick	Sundance Biology	10/25/2010	yes		10/25/2011
Taylor	Tracy	Sundance Biology	10/25/2010	yes	9/29/2011	9/29/2012
Copeland	Ian	Bechtel Corp	10/26/2010	yes		10/26/2011
Bird	Matt	Bechtel Corp	10/26/2010	yes	10/27/2011	10/27/2012
Nairn	Rowan	Bechtel Corp	10/26/2010	yes	10/13/2011	10/13/2012
Hurshman	Tom	BLM	10/26/2010	yes		10/26/2011
Jacobs	Nickolaus	BrightSource Energy	10/26/2010	yes		10/26/2011
Yarbery	Norman	CTS	10/26/2010	yes		10/26/2011
Brown	John	IBEW 477	10/26/2010	yes	1/12/2012	1/12/2013
Brown	Perry	IBEW 477	10/26/2010	yes	10/20/2011	10/20/2012
Villareal	Gabriel	Ironworkers 433	10/26/2010	yes	10/27/2011	10/27/2012
Davis	Adrian	Las Vegas Paving	10/26/2010	yes		10/26/2011
Ragland	Christopher	Las Vegas Paving	10/26/2010	yes		10/26/2011
Morwood	David	Las Vegas Paving	10/26/2010	yes	10/27/2011	10/27/2012
Martin	Frank	Las Vegas Paving	10/26/2010	yes		10/26/2011
Dressler	Fred	Las Vegas Paving	10/26/2010	yes		10/26/2011
Charles Jr	Joe	Las Vegas Paving	10/26/2010	yes	10/27/2011	10/27/2012
Acosta	Johnny	Las Vegas Paving	10/26/2010	yes		10/26/2011
Butler	Mark	Las Vegas Paving	10/26/2010	yes		10/26/2011
Dienes	Robert	Las Vegas Paving	10/26/2010	yes		10/26/2011
Hester	Ryan	Las Vegas Paving	10/26/2010	yes	11/3/2011	11/3/2012
Manger	Art	Teamsters 166	10/26/2010	yes		10/26/2011
Reed	Carly	Teamsters 166	10/26/2010	yes	12/1/2011	12/1/2012
Platten	Kenneth	Teamsters 166	10/26/2010	yes		10/26/2011
Goins	Robert	Teamsters 166	10/26/2010	yes		10/26/2011
Campos	David	Bechtel Corp	11/1/2010	yes	10/27/2011	10/27/2012
Daniel	Gregory	Bechtel Corp	11/1/2010	yes	10/27/2011	10/27/2012
Arnold	Jennifer	Bechtel Corp	11/1/2010	yes	10/27/2011	10/27/2012
Breedlove	Ron	Bechtel Corp	11/1/2010	yes		11/1/2011
Waghmode	Shriram	Bechtel Corp	11/1/2010	yes	10/27/2011	10/27/2012
Cardenas	Gloriella	CH2MHill	11/1/2010	yes		11/1/2011
Duarte	Vincent	Crown Fence	11/1/2010	yes	9/15/2011	9/15/2012
Carter	Charles	Geovision	11/1/2010	yes		11/1/2011
Martine	Andrea	California Energy Com	11/3/2010	yes		11/3/2011
Munger	Brenner	California Energy Com	11/3/2010	yes		11/3/2011
Watson	Carol	California Energy Com	11/3/2010	yes		11/3/2011
Dennis	Chris	California Energy Com	11/3/2010	yes		11/3/2011
Marxen	Chris	California Energy Com	11/3/2010	yes		11/3/2011
Snow	Christina	California Energy Com	11/3/2010	yes		11/3/2011
Stora	Christine	California Energy Com	11/3/2010	yes		11/3/2011
Flores	David	California Energy Com	11/3/2010	yes		11/3/2011
Bright	Erin	California Energy Com	11/3/2010	yes		11/3/2011
Lesh	Geoff	California Energy Com	11/3/2010	yes		11/3/2011
Bemis	Gerry	California Energy Com	11/3/2010	yes		11/3/2011
Adams	James	California Energy Com	11/3/2010	yes		11/3/2011
Nishida	Joy	California Energy Com	11/3/2010	yes		11/3/2011
Forrest	Kathleen	California Energy Com	11/3/2010	yes		11/3/2011
Marshall	Paul	California Energy Com	11/3/2010	yes		11/3/2011
York	Rick	California Energy Com	11/3/2010	yes		11/3/2011
Khoshmashrab	Shahab	California Energy Com	11/3/2010	yes		11/3/2011
Carrier	John	CH2MHill	11/3/2010	yes		11/3/2011
Finn	Mary	CH2MHill	11/3/2010	yes		11/3/2011
Post	G.L.	Bechtel Corp	11/8/2010	yes	11/3/2011	11/3/2012

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Phagoo	Kris	Bechtel Corp	11/8/2010	yes		11/8/2011
Bobinecz	Michael	BrightSource Energy	11/8/2010	yes	10/13/2011	10/13/2012
Smith	Keith	Crown Fence	11/8/2010	yes		11/8/2011
Tie	Bruce	CTS	11/8/2010	yes		11/8/2011
Walls	Butch	EDM Services	11/8/2010	yes		11/8/2011
McGehee	Tim	Elemental Energy	11/8/2010	yes	11/10/2011	11/10/2012
Lamont	William	Securitas	11/8/2010	yes		11/8/2011
Sanderson	Deanna	Sundance Biology	11/8/2010	yes		11/8/2011
Ravotta	Christian	Bechtel Corp	11/15/2010	yes	11/17/2011	11/17/2012
Witt	Jessica	Bechtel Corp	11/15/2010	yes		11/15/2011
Coleman	Mark	Bechtel Corp	11/15/2010	yes	11/3/2011	11/3/2012
Boone	Morris	Bechtel Corp	11/15/2010	yes	11/10/2011	11/10/2012
Dynbar	Troy	Bechtel Corp	11/15/2010	yes	11/3/2011	11/3/2012
Boleman	Eyal	BrightSource	11/15/2010	yes		11/15/2011
Eylat	Udi	BrightSource	11/15/2010	yes		11/15/2011
Branker	Cory	Bureau Veritas	11/15/2010	yes		11/15/2011
White	Jacob	ENGEO	11/15/2010	yes		11/15/2011
Turner	Mike	ENGEO	11/15/2010	yes		11/15/2011
Steller	Robert	Geovision	11/15/2010	yes		11/15/2011
Kline	Jim	Jet Drill	11/15/2010	yes		11/15/2011
Taylor	Tommy	Jet Drill	11/15/2010	yes		11/15/2011
Sikorski	David	Las Vegas Paving	11/15/2010	yes		11/15/2011
Fallon	Guy, Sr.	Las Vegas Paving	11/15/2010	yes		11/15/2011
Jenkins	Joshua	Las Vegas Paving	11/15/2010	yes		11/15/2011
Davis	Stephen	Las Vegas Paving	11/15/2010	yes	11/10/2011	11/10/2012
Brown	Tim	Las Vegas Paving	11/15/2010	yes		11/15/2011
Lacey	Tom	Las Vegas Paving	11/15/2010	yes		11/15/2011
Rylen	Alex	Securitas	11/15/2010	yes		11/15/2011
Sander	Alex	Securitas	11/15/2010	yes		11/15/2011
Hernandez	Bravio	Securitas	11/15/2010	yes		11/15/2011
Burnett	Harvey	Securitas	11/15/2010	yes		11/15/2011
Diaz	Michael	Securitas	11/15/2010	yes		11/15/2011
Thomas	Michael	Securitas	11/15/2010	yes		11/15/2011
Koning	Thomas	Securitas	11/15/2010	yes	11/10/2011	11/10/2012
Shelley	Mike	Bechtel Corp	11/22/2010	yes		11/22/2011
Turansky	Thomas	Bureau Veritas	11/22/2010	yes	1/12/2012	1/12/2013
Weddle	Justin	Las Vegas Paving	11/22/2010	yes		11/22/2011
Canning	Shawn	Las Vegas Paving	11/22/2010	yes	10/20/2011	10/20/2012
Perez	Alfonso, Jr.	Layne Christensen	11/22/2010	yes		11/22/2011
Witrago	Antonio	Layne Christensen	11/22/2010	yes		11/22/2011
Thomas	Edison	Layne Christensen	11/22/2010	yes		11/22/2011
Amezquita	Hugo	Layne Christensen	11/22/2010	yes		11/22/2011
Guzman	Juan	Layne Christensen	11/22/2010	yes		11/22/2011
Enriquez	Luis	Layne Christensen	11/22/2010	yes		11/22/2011
Quinonos	Marting	Layne Christensen	11/22/2010	yes		11/22/2011
Olveda	Victor	Layne Christensen	11/22/2010	yes		11/22/2011
Hanke	Steve	Barney's Hole Digging	11/29/2010	yes		11/29/2011
Hammell	Troy	Barney's Hole Digging	11/29/2010	yes		11/29/2011
Chhetri	Dilip	Bechtel Corp	11/29/2010	yes	10/13/2011	10/13/2012
Fong	Carlos	Las Vegas Paving	11/29/2010	yes	10/27/2011	10/27/2012
Rollins	Glen	Las Vegas Paving	11/29/2010	yes		11/29/2011
Gragson	Grant	Las Vegas Paving	11/29/2010	yes		11/29/2011
Fanning	Mark	Las Vegas Paving	11/29/2010	yes		11/29/2011
Vallejo	Ruben	Las Vegas Paving	11/29/2010	yes		11/29/2011
Layland	William	Las Vegas Paving	11/29/2010	yes		11/29/2011

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Bautista	Brian	Layne Christensen	11/29/2010	yes		11/29/2011
Grace	Gary	Layne Christensen	11/29/2010	yes		11/29/2011
Hernandez	Jorge	Layne Christensen	11/29/2010	yes		11/29/2011
Alba	Jose	Layne Christensen	11/29/2010	yes		11/29/2011
Serna	Jose	Layne Christensen	11/29/2010	yes		11/29/2011
Evans	Mark	Layne Christensen	11/29/2010	yes		11/29/2011
Arguesta	Asucar	40 Roosters	12/6/2010	yes		12/6/2011
Prado	Fodasio	40 Roosters	12/6/2010	yes		12/6/2011
Nunez	Guadalupe	40 Roosters	12/6/2010	yes		12/6/2011
Gutierrez	Manuel	40 Roosters	12/6/2010	yes		12/6/2011
Argueta	Sergio	40 Roosters	12/6/2010	yes		12/6/2011
Martin	Gregg	Bechtel Corp	12/6/2010	yes	12/8/2011	12/8/2012
Harris	Iain	Bechtel Corp	12/6/2010	yes		12/6/2011
Mouilso	Jack	Bechtel Corp	12/6/2010	yes	12/8/2011	12/8/2012
Gaglianello	Joe	Bechtel Corp	12/6/2010	yes	12/1/2011	12/1/2012
McGuire	Megan	Bechtel Corp	12/6/2010	yes	12/1/2011	12/1/2012
Larson	Mike	Bechtel Corp	12/6/2010	yes	12/1/2011	12/1/2012
Airhart	Ronnie	Bechtel Corp	12/6/2010	yes	12/8/2011	12/8/2012
Jahnke	Scott	Bechtel Corp	12/6/2010	yes	12/8/2011	12/8/2012
Dan	Amit	BrightSource	12/6/2010	yes	12/8/2011	12/8/2012
Huss	Hagai	BrightSource	12/6/2010	yes		12/6/2011
Keyes Jr.	Stephen	BSCM	12/6/2010	yes	11/3/2011	11/3/2012
Williams	Timothy	BrightSource	12/6/2010	yes	12/8/2011	12/8/2012
Swetky	David	Cashman Equipment	12/6/2010	yes		12/6/2011
Vica	Donald	Cashman Equipment	12/6/2010	yes		12/6/2011
Hendrickson	Dustin	Cashman Equipment	12/6/2010	yes		12/6/2011
Benton	Earl	Cashman Equipment	12/6/2010	yes		12/6/2011
Lambort	Jeff	Cashman Equipment	12/6/2010	yes		12/6/2011
Hyers	Jerry	Cashman Equipment	12/6/2010	yes	4/12/2012	12/6/2011
Snider	Randy	Cashman Equipment	12/6/2010	yes		12/6/2011
Melder	Scott	Cashman Equipment	12/6/2010	yes		12/6/2011
Tate	Dan	Caterpillar	12/6/2010	yes		12/6/2011
Gibson	Jim	Caterpillar	12/6/2010	yes		12/6/2011
Dominguez	Jacob	Las Vegas Paving	12/6/2010	yes		12/6/2011
Shell	Mike	Las Vegas Paving	12/6/2010	yes		12/6/2011
Grubbs	James	Layne Christensen	12/6/2010	yes		12/6/2011
Fertall	Corey	Quick Set	12/6/2010	yes		12/6/2011
Ayers	David	Quick Set	12/6/2010	yes		12/6/2011
Yost	Kenny	Quick Set	12/6/2010	yes		12/6/2011
Goodle	Theron	Quick Set	12/6/2010	yes		12/6/2011
Argueta	Robert	Scottman	12/6/2010	yes		12/6/2011
Molind	David	Tony's Mobile Homes	12/6/2010	yes		12/6/2011
Ville	Jose	Tony's Mobile Homes	12/6/2010	yes		12/6/2011
Argueta	Lewis	Tony's Mobile Homes	12/6/2010	yes		12/6/2011
Thomas	Mark	Boilermakers #92	12/10/2010	yes	12/1/2011	12/1/2012
Perez	Bill	BCTC	12/10/2010	yes	12/1/2011	12/1/2012
Gleason	Jeff	Boilermakers #92	12/10/2010	yes		12/10/2011
Hayden	BJ	Carpenters	12/10/2010	yes	12/1/2011	12/1/2012
Luna	Rudy Jr.	Cement Mason Local #500	12/10/2010	yes	12/1/2011	12/1/2012
Enriquez	Marcos	Cement Mason Local #500	12/10/2010	yes	12/1/2011	12/1/2012
McCaslund	Kenny	COD Teamster 166	12/10/2010	yes	12/1/2011	12/1/2012
Crouch	Frank	CPU Ent In BSIM	12/10/2010	yes		12/10/2011
Nead	Rene	Glaziers 636	12/10/2010	yes		12/10/2011
Zepeda	Fernanco	HFIAW Local #5	12/10/2010	yes		12/10/2011
Hall	David	IBEW 477	12/10/2010	yes	12/1/2011	12/1/2012

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Gonzales	Gary	IBEW 477	12/10/2010	yes		12/10/2011
Long	Peggy	IBEW 477	12/10/2010	yes		12/10/2011
Mendenhall	Carl	IUOE Local 12	12/10/2010	yes	12/1/2011	12/1/2012
Friel	Duane	IUOE Local 12	12/10/2010	yes	12/1/2011	12/1/2012
Lopez	Alex	IUPAT/DC 36	12/10/2010	yes		12/10/2011
Diaz	Victor	Local #5	12/10/2010	yes		12/10/2011
Klepper	Robert	Local #5	12/10/2010	yes	12/1/2011	12/1/2012
CalPine	Ryan	Local 109	12/10/2010	yes		12/10/2011
Pester	James	Millwright	12/10/2010	yes		12/10/2011
Mattern	Scott	Millwright	12/10/2010	yes		12/10/2011
Fritchel	Dave	Plasters 200	12/10/2010	yes		12/10/2011
Shaver	David	Sheet Metal	12/10/2010	yes	12/1/2011	12/1/2012
Davidson	John	Teamster Apprentice	12/10/2010	yes	12/1/2011	12/1/2012
Elliott	Jerry	UA 250	12/10/2010	yes		12/10/2011
Edwards	Richard	UA Local 364	12/10/2010	yes		12/10/2011
O'Dell	Dale	UA LU 669	12/10/2010	yes	12/1/2011	12/1/2012
Schultz	Lee	Abatix	12/13/2010	yes		12/13/2011
Asgari	Kavon	Abatix	12/13/2010	yes		12/13/2011
Lauer	Ken	Bechtel Corp	12/13/2010	yes		12/13/2011
Wirtz	Larry	Bechtel Corp	12/13/2010	yes	12/8/2011	12/8/2012
Summerfield	Nathan	Bechtel Corp	12/13/2010	yes	12/8/2011	12/8/2012
Collie	Adelbert	Bechtel Corp	12/13/2010	yes		12/13/2011
Smith	Fred	Bechtel Corp	12/13/2010	yes		12/13/2011
Schaaf	Dumah	Bechtel Corp	12/13/2010	yes	12/8/2011	12/8/2012
DelCastillo	Daniel	Bechtel Corp	12/13/2010	yes		12/13/2011
Wilson	Jay	Bechtel Corp	12/13/2010	yes	12/15/2011	12/15/2012
Banuelos	Victor	Bechtel Corp	12/13/2010	yes	12/8/2011	12/8/2012
Mack	Marcus	Bechtel Corp	12/13/2010	yes	12/8/2011	12/8/2012
Ferro	Don	Bechtel Corp	12/13/2010	yes	12/8/2011	12/8/2012
Robinson	Chris	Dielco Crane	12/13/2010	yes		12/13/2011
Felkins	Steve	Dielco Crane	12/13/2010	yes		12/13/2011
Grayman	Donny	Ironworkers 416	12/13/2010	yes		12/13/2011
Greenhagen	Richard	Ironworkers 416	12/13/2010	yes	12/1/2011	12/1/2012
Villalorsos	Bernabe	Layne Christensen	12/13/2010	yes		12/13/2011
Myers	Larry	Las Vegas Paving	12/13/2010	yes		12/13/2011
Lewis	Grant	Las Vegas Paving	12/13/2010	yes		12/13/2011
Campuzano	Mike	Las Vegas Paving	12/13/2010	yes		12/13/2011
Leaser	Kelly	Las Vegas Paving	12/13/2010	yes		12/13/2011
Perry	Breck	Las Vegas Paving	12/13/2010	yes		12/13/2011
Shannon	Marty	Las Vegas Paving	12/13/2010	yes		12/13/2011
David	Irwin	Bechtel Corp	12/20/2010	yes	12/22/2011	12/22/2012
Plutten	Kenneth	Bechtel Corp	12/20/2010	yes	12/1/2011	12/1/2012
Rolgun	Anthony	Bechtel Corp	12/20/2010	yes		12/20/2011
Francisco	Zavala	Bechtel Corp	12/20/2010	yes		12/20/2011
Kilmer	Jesse	Bechtel Corp	12/20/2010	yes	12/15/2011	12/15/2012
Scott	Christopher	Bechtel Corp	12/20/2010	yes		12/20/2011
Misenhimer	Gary	Bechtel Corp	12/20/2010	yes	12/15/2011	12/15/2012
Elmohamady	Khaled	Bechtel Corp	12/20/2010	yes	12/8/2011	12/8/2012
Araujo	Teresita	Bechtel Corp	12/20/2010	yes		12/20/2011
Partida	Jose	Bechtel Corp	12/20/2010	yes	12/15/2011	12/15/2012
Day	Garrett	Bechtel Corp	12/20/2010	yes		12/20/2011
Carter	Daniel	Bechtel Corp	12/20/2010	yes	12/22/2011	12/22/2012
Chains	Cannon	Bechtel Corp	12/20/2010	yes		12/20/2011
Ginn	Ross	Bechtel Corp	12/20/2010	yes		12/20/2011
Kelteseh	Andy	Bechtel Corp	12/20/2010	yes		12/20/2011

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Esser	Joseph	Dielco Crane	12/20/2010	yes		12/20/2011
Basinger	Mike	Elemental Energy	12/20/2010	yes		12/20/2011
Anderson	Scott	H&E	12/20/2010	yes		12/20/2011
Winn	George	H&E	12/20/2010	yes	12/22/2011	12/22/2012
Hall	Anthony	Las Vegas Paving	12/20/2010	yes	12/1/2011	12/1/2012
Crotteau	Brad	PG&E	12/20/2010	yes		12/20/2011
Moore	Brian	SCE	12/20/2010	yes		12/20/2011
Morse	Justin	SCE	12/20/2010	yes		12/20/2011
Giandalia	Eric	SCE	12/20/2010	yes		12/20/2011
Spodstan	Grant	SCE	12/20/2010	yes		12/20/2011
Flanagan	Eddie	Securitas	12/20/2010	yes		12/20/2011
Greenway	Howard	Bechtel Corp	1/3/2011	yes	12/1/2011	12/1/2012
Lidetenhah	Ray	Bechtel Corp	1/3/2011	yes	1/5/2012	1/5/2013
Rodriguez	Felipe	Bechtel Corp	1/3/2011	yes	12/22/2011	12/22/2012
Martinez	David	Bechtel Corp	1/3/2011	yes	12/22/2011	12/22/2012
Casner	Neal	Bechtel Corp	1/3/2011	yes	1/5/2012	1/5/2013
Diaz	Juan	Bechtel Corp	1/3/2011	yes		1/3/2012
Rivas	Cesar	Bechtel Corp	1/3/2011	yes	12/22/2011	12/22/2012
Sukta	Shayn	Bechtel Corp	1/3/2011	yes		1/3/2012
Villarreal	Jose	Bechtel Corp	1/3/2011	yes	1/5/2012	1/5/2013
Yan	Noli Jr.	Bechtel Corp	1/3/2011	yes		1/3/2012
Wallace	Jesus	Crown Fence	1/3/2011	yes		1/3/2012
Hauntz	Charles	CTS	1/3/2011	yes		1/3/2012
Driggs	Malcolm	O.E.TT.	1/3/2011	yes	12/1/2011	12/1/2012
Vasquez	Jay	P&F Distributors	1/3/2011	yes		1/3/2012
Wilke	Marc	Pac-Van	1/3/2011	yes		1/3/2012
Benson	Pamela	Securitas	1/3/2011	yes		1/3/2012
Gillespie	Andy	Bechtel Corp	1/10/2011	Yes	1/12/2012	1/12/2013
Salazar	Mark	Bechtel Corp	1/10/2011	Yes	1/5/2012	1/5/2013
Flathers	Vickie	Bechtel Corp	1/10/2011	Yes	1/5/2012	1/5/2013
Guzman	Alfonso	Bechtel Corp	1/10/2011	Yes		1/10/2012
Morales	Elias	Bechtel Corp	1/10/2011	Yes	1/5/2012	1/5/2013
Carrasco	Cesar	Bechtel Corp	1/10/2011	Yes	1/5/2012	1/5/2013
Velasco	Facundo	Bechtel Corp	1/10/2011	Yes	1/5/2012	1/5/2013
Gaudin	Justin	Bechtel Corp	1/10/2011	Yes		1/10/2012
Sinohui	Frank, Jr.	Bechtel Corp	1/10/2011	Yes		1/10/2012
Meador	Jim	Bechtel Corp	1/10/2011	Yes		1/10/2012
Druckerman	Andy	Bechtel Corp	1/10/2011	Yes		1/10/2012
Gossett	Randy	Bechtel Corp	1/10/2011	Yes		1/10/2012
Renfrow	Warren	Bechtel Corp	1/10/2011	Yes	1/5/2012	1/5/2013
Deuth	John	Bechtel Corp	1/10/2011	Yes		1/10/2012
Phelan	Debbie	Bechtel Corp	1/10/2011	Yes	3/1/2012	3/1/2013
Voss	Robert T.	Bechtel Corp	1/10/2011	Yes		1/10/2012
Mejia	Ricardo	Bechtel Corp	1/10/2011	Yes	1/5/2012	1/5/2013
Garcia	Andrew	Bechtel Corp	1/10/2011	Yes		1/10/2012
O'Leary	Fred III	Bechtel Corp	1/10/2011	Yes		1/10/2012
Henry	Lloyd Jr.	Bechtel Corp	1/10/2011	Yes	1/5/2012	1/5/2013
Stieglitz	Jeff	BrightSource Energy	1/10/2011	Yes		1/10/2012
Perlcens	Spencer	Dielco Crane	1/10/2011	Yes		1/10/2012
Jones	Jay	Dielco Crane	1/10/2011	Yes		1/10/2012
Sinner	Robert	Dielco Crane	1/10/2011	Yes		1/10/2012
Ruefer	Doug	Dielco Crane	1/10/2011	Yes		1/10/2012
Kennedy	Dale	Elemental Energy	1/10/2011	Yes		1/10/2012
Gallardo	Joe	Fasteners Inc.	1/10/2011	Yes		1/10/2012
Martinez	Rafael	Fasteners Inc.	1/10/2011	Yes		1/10/2012

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Seifert	Mark	Las Vegas Paving	1/10/2011	Yes		1/10/2012
Gonzalez	Paul	Las Vegas Paving	1/10/2011	Yes		1/10/2012
Martin	Matthew	Las Vegas Paving	1/10/2011	Yes		1/10/2012
Hurry	Brian	Sunstate Equipment	1/10/2011	Yes		1/10/2012
Lucketta	Brett	Sunstate Equipment	1/10/2011	Yes		1/10/2012
Turley	Jeffery	Sunstate Equipment	1/10/2011	Yes		1/10/2012
Brown	Robert	Sunstate Equipment	1/10/2011	Yes		1/10/2012
Harbett	Rick	Sunstate Equipment	1/10/2011	Yes		1/10/2012
Jones	Dale	Bechtel Corp	1/18/2011	yes	1/12/2012	1/12/2013
Johnson	Kim	Bechtel Corp	1/18/2011	yes		1/18/2012
Comstock	Chris	Bechtel Corp	1/18/2011	yes	1/5/2012	1/5/2013
Mack	Roxanna	Bechtel Corp	1/18/2011	yes	1/12/2012	1/12/2013
Aviles	Cesar	Bechtel Corp	1/18/2011	yes		1/18/2012
Butner	James	Bechtel Corp	1/18/2011	yes	2/9/2012	2/9/2013
Hale	Mark	Bechtel Corp	1/18/2011	yes		1/18/2012
Meza	Andrew	Bechtel Corp	1/18/2011	yes		1/18/2012
Moreno	Ricardo	Bechtel Corp	1/18/2011	yes		1/18/2012
Gibbert	Craig	Bechtel Corp	1/18/2011	yes	2/16/2012	2/16/2013
Smith	Fred	Bechtel Corp	1/18/2011	yes		1/18/2012
Ellis	Tom	Bechtel Corp	1/18/2011	yes		1/18/2012
Marquez	Ralph	Bechtel Corp	1/18/2011	yes		1/18/2012
West	Art	Bechtel Corp	1/18/2011	yes		1/18/2012
Mattner	Kevin	Bechtel Corp	1/18/2011	yes	1/19/2012	1/19/2013
Casey	Joseph	Bechtel Corp	1/18/2011	yes	1/26/2012	1/26/2013
Porter	Wes	Elemental Energy	1/18/2011	yes		1/18/2012
Gregor	Joseph	Elemental Energy	1/18/2011	yes		1/18/2012
Johnson	Lloyd	Elemental Energy	1/18/2011	yes		1/18/2012
Zaugg	Spencer	Las Vegas Paving	1/18/2011	yes	10/27/2011	10/27/2012
Chandler	Barry	Las Vegas Paving	1/18/2011	yes	10/27/2011	10/27/2012
Tapia	Hector	Las Vegas Paving	1/18/2011	yes	10/27/2011	10/27/2012
Rubio	Alejandro	Las Vegas Paving	1/18/2011	yes		1/18/2012
Reiner	Thomas	Owens MHS	1/18/2011	yes		1/18/2012
Owens	John	Owens MHS	1/18/2011	yes		1/18/2012
Short	J. Daniel	Sunstate Equipment	1/18/2011	yes		1/18/2012
Brown	David	Sunstate Equipment	1/18/2011	yes		1/18/2012
Giebler	Mike	American Equipment	1/24/2011	yes		1/24/2012
Lange	Monique	Bechtel Corp	1/24/2011	yes	1/12/2012	1/12/2013
Flathers	Rick	Bechtel Corp	1/24/2011	yes		1/24/2012
Hoover	Ray	Bechtel Corp	1/24/2011	yes	1/26/2012	1/26/2013
Golden	Steve	Bechtel Corp	1/24/2011	yes	2/2/2012	2/2/2013
Breer	Eric	Cashman Equipment	1/24/2011	yes		1/24/2012
Rhodes	Rob	Cashman Equipment	1/24/2011	yes		1/24/2012
Lyons	Garry	Layne Christensen	1/24/2011	yes		1/24/2012
Dunagan	Stephen	Layne Christensen	1/24/2011	yes		1/24/2012
Taylor	Larry	Layne Christensen	1/24/2011	yes		1/24/2012
Peterson	Bo	Layne Christensen	1/24/2011	yes		1/24/2012
Aceves	John	Layne Christensen	1/24/2011	yes		1/24/2012
Ramos	Gildesdo	Layne Christensen	1/24/2011	yes		1/24/2012
Noves	Carlos	Layne Christensen	1/24/2011	yes		1/24/2012
Kambeitz	Mike	Las Vegas Paving	1/24/2011	yes	1/12/2012	1/12/2013
Redington	Scott	Pacific Rim Construction	1/24/2011	yes		1/24/2012
Chesnut	Cole	Pacific Rim Construction	1/24/2011	yes		1/24/2012
Malabo	Rexford	Securitas	1/24/2011	yes		1/24/2012
Gibson	Vic	Securitas	1/24/2011	yes		1/24/2012
Perschon	Glen	Bechtel Corp	1/31/2011	Yes	1/5/2012	1/5/2013

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Sayers	James	Bechtel Corp	1/31/2011	Yes	2/9/2012	2/9/2013
Jung	Peter	Bechtel Corp	1/31/2011	Yes		1/31/2012
Gallegos	Steve	Bechtel Corp	1/31/2011	Yes		1/31/2012
Sumaya	Eric	Bechtel Corp	1/31/2011	Yes		1/31/2012
Stanley	Patrick	Bechtel Corp	1/31/2011	Yes	2/23/2012	2/23/2013
Bowlin	Ross	Bechtel Corp	1/31/2011	Yes	1/26/2012	1/26/2013
Cooing	Robert	Bechtel Corp	1/31/2011	Yes		1/31/2012
McKay	Jeffrey	Bechtel Corp	1/31/2011	Yes		1/31/2012
Lee	Jim	Conco	1/31/2011	Yes		1/31/2012
Speffanich	Stuart	Conco	1/31/2011	Yes		1/31/2012
Highnote	Matthew	Office Plus	1/31/2011	Yes		1/31/2012
Davis	Ronald	Sunstate Equipment	1/31/2011	Yes		1/31/2012
Lampkey	Sonny	Sunstate Equipment	1/31/2011	Yes		1/31/2012
Foltyn	Craig	Bechtel Corp	2/7/2011	Yes	1/26/2012	1/26/2013
Nelson	Rick	Bechtel Corp	2/7/2011	Yes		2/7/2012
Stark	Gary	Bechtel Corp	2/7/2011	Yes	1/26/2012	1/26/2013
Carlblom	Jerald	Bechtel Corp	2/7/2011	Yes		2/7/2012
Woods	Darrin	Bechtel Corp	2/7/2011	Yes		2/7/2012
Graber	Ron	Bechtel Corp	2/7/2011	Yes	2/16/2012	2/16/2013
Nunez	Domingo	Bechtel Corp	2/7/2011	Yes		2/7/2012
Vergara	Juan	Bechtel Corp	2/7/2011	Yes		2/7/2012
Castillo	Salvador	Bechtel Corp	2/7/2011	Yes		2/7/2012
Llamas	Michael	Bechtel Corp	2/7/2011	Yes		2/7/2012
Riddle	Merle	Bechtel Corp	2/7/2011	Yes	2/2/2012	2/2/2013
Scott	Sebastian	Bechtel Corp	2/7/2011	Yes	1/26/2012	1/26/2013
Shields	Dario	Bechtel Corp	2/7/2011	Yes		2/7/2012
Lanphear	Terry	Bechtel Corp	2/7/2011	Yes	2/9/2012	2/9/2013
Wright	Elijah	Bechtel Corp	2/7/2011	Yes	2/9/2012	2/9/2013
Munter	Rex	Cashman Equipment	2/7/2011	Yes		2/7/2012
Blosler	Eric	Conco	2/7/2011	Yes		2/7/2012
Arcos	Juan	Conco	2/7/2011	Yes		2/7/2012
Ebiya	Antonio	CTS	2/7/2011	Yes		2/7/2012
Ward	Michael	Local 364	2/7/2011	Yes	12/1/2011	12/1/2012
Moody	Mark	Merli	2/7/2011	Yes		2/7/2012
Baird	Brian	Merli	2/7/2011	Yes		2/7/2012
Istuah	Wally	Merli	2/7/2011	Yes		2/7/2012
McClonis	James	Merli	2/7/2011	Yes		2/7/2012
Keim	Jonas	Olson Precast	2/7/2011	Yes		2/7/2012
Arriaga	Edgar	Olson Precast	2/7/2011	Yes		2/7/2012
Willingham	Roy	Southwire Co	2/7/2011	Yes		2/7/2012
Nix	Jay	Southwire Co	2/7/2011	Yes		2/7/2012
Somers	Eric	Sundance Biology	2/7/2011	Yes	2/2/2012	2/2/2013
Spake	Colin	Sundance Biology	2/7/2011	Yes	12/22/2011	12/22/2012
Jordan	Bruce	Ahern Rentals	2/14/2011	Yes		2/14/2012
Taylor	Josh	Ahern Rentals	2/14/2011	Yes		2/14/2012
Ross	Kawika	Bechtel Corp	2/14/2011	Yes	2/9/2012	2/9/2013
Lopez	Alex	Bechtel Corp	2/14/2011	Yes	12/22/2011	12/22/2012
Lanning	Chris	Bechtel Corp	2/14/2011	Yes	2/16/2012	2/16/2013
Engel-George	Kim	Bechtel Corp	2/14/2011	Yes	2/16/2012	2/16/2013
Tallick	Edward	Bechtel Corp	2/14/2011	Yes	2/16/2012	2/16/2013
Noren	Bill	Bechtel Corp	2/14/2011	Yes	2/16/2012	2/16/2013
Harris	Jimmy	Bechtel Corp	2/14/2011	Yes		2/14/2012
Sanchez	Javier P.	Bechtel Corp	2/14/2011	Yes	2/9/2012	2/9/2013
Pilkington	Clint III	Bechtel Corp	2/14/2011	Yes	2/16/2012	2/16/2013
Chavez	Domingo	Bechtel Corp	2/14/2011	Yes		2/14/2012

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Rauch	Jay	Bechtel Corp	2/14/2011	Yes	3/8/2012	3/8/2013
Kluka	Mike	Bechtel Corp	2/14/2011	Yes	2/9/2012	2/9/2013
Castaneda	Arthur	Bechtel Corp	2/14/2011	Yes	2/16/2012	2/16/2013
Cravey	Richard	Bechtel Corp	2/14/2011	Yes		2/14/2012
Kolt	Ryan	Bechtel Corp	2/14/2011	Yes	2/2/2012	2/2/2013
Johnston	William	Bechtel Corp	2/14/2011	Yes		2/14/2012
Clemens	Frank	Bechtel Corp	2/14/2011	Yes	2/2/2012	2/2/2013
Duran	Vince	Bechtel Corp	2/14/2011	Yes	2/2/2012	2/2/2013
Parzych	Jeff	Bechtel Corp	2/14/2011	Yes	2/2/2012	2/2/2013
Morgan	Clayton	Bechtel Corp	2/14/2011	Yes		2/14/2012
Monreal	Paul	Bechtel Corp	2/14/2011	Yes	2/16/2012	2/16/2013
McKinley	Steven	BrightSource	2/14/2011	Yes		2/14/2012
Scherzer	Jeffrey D.	BrightSource	2/14/2011	Yes		2/14/2012
Spicer	Bryan	BSCM	2/14/2011	Yes		2/14/2012
Rodriguez	Nicholas	Conco	2/14/2011	Yes		2/14/2012
Slocomb	Ray	Conco	2/14/2011	Yes		2/14/2012
McNiven	Michael	Elemental Energy	2/14/2011	Yes		2/14/2012
Merry	Anthony	Elemental Energy	2/14/2011	Yes		2/14/2012
Uunich	Paul	Olsens	2/14/2011	Yes		2/14/2012
Rogers	Jimmie	Olson Precast	2/14/2011	Yes		2/14/2012
Ornelas	Edmond	Olson Precast	2/14/2011	Yes		2/14/2012
Moise	Gene	Sundance Biology	2/14/2011	Yes		2/14/2012
Lindey	Shawn	Sundance Biology	2/14/2011	Yes	3/8/2012	3/8/2013
Colt	Michael	Sunstate Equipment	2/14/2011	Yes		2/14/2012
Lattin	Lenny	Sunstate Equipment	2/14/2011	Yes		2/14/2012
Sequoia	Suzin	Bechtel Corp	2/22/2011	Yes	1/26/2012	1/26/2013
Peralta	Thomas	Bechtel Corp	2/22/2011	Yes		2/22/2012
Brunst	Richard	Bechtel Corp	2/22/2011	Yes	2/9/2012	2/9/2013
Ceideburg	Ryan	Bechtel Corp	2/22/2011	Yes	2/2/2012	2/2/2013
Goodin	James	Bechtel Corp	2/22/2011	Yes		2/22/2012
Lawrence	Scott	Bechtel Corp	2/22/2011	Yes	1/26/2012	1/26/2013
Pham	Steve	Bechtel Corp	2/22/2011	Yes		2/22/2012
Kavathekar	Prasad	Bechtel Corp	2/22/2011	Yes	1/26/2012	1/26/2013
Biggers	Larry	Bechtel Corp	2/22/2011	Yes	2/2/2012	2/2/2013
Xhiguez	Basilio	Bechtel Corp	2/22/2011	Yes		2/22/2012
Ceballos	Humberto	Bechtel Corp	2/22/2011	Yes	2/9/2012	2/9/2013
Neyses	Timothy	Bechtel Corp	2/22/2011	Yes		2/22/2012
Morales	Ramon P.	Bechtel Corp	2/22/2011	Yes	2/16/2012	2/16/2013
Ceideburg	Robert	Bechtel Corp	2/22/2011	Yes		2/22/2012
Goldberg	Elad	BrightSource	2/22/2011	Yes		2/22/2012
Frank	Kenneth	Cashman Equipment	2/22/2011	Yes		2/22/2012
Lowy	Chris	Conco	2/22/2011	Yes		2/22/2012
Saxelby	Robert	Conco	2/22/2011	Yes		2/22/2012
Trinnich	Brian	Conco	2/22/2011	Yes		2/22/2012
Delashmutt	Ryan	Custom Arc	2/22/2011	Yes		2/22/2012
Volovecky	Mike	Custom Arc	2/22/2011	Yes		2/22/2012
Lumbar	James	Custom Arc	2/22/2011	Yes		2/22/2012
Buster	Brit	Doka Forms	2/22/2011	Yes		2/22/2012
Evans	Valerie	Securitas	2/22/2011	Yes		2/22/2012
Spake-Wright	Kiea	Sundance Biology	2/22/2011	Yes		2/22/2012
Savastro	Leonard	Bechtel Corp	2/28/2011	Yes	2/23/2012	2/23/2013
Mecham	Lonnie	Bechtel Corp	2/28/2011	Yes		2/28/2012
Desai	Manish	Bechtel Corp	2/28/2011	Yes		2/28/2012
Hathaway	Sean	Bechtel Corp	2/28/2011	Yes	2/16/2012	2/16/2013
Bonillas	Joe	Bechtel Corp	2/28/2011	Yes		2/28/2012

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Sipes	Randy	Bechtel Corp	2/28/2011	Yes		2/28/2012
Campbell	William	Cashman Equipment	2/28/2011	Yes		2/28/2012
Hendrickson	Seth	Cashman Equipment	2/28/2011	Yes		2/28/2012
Utter	Joshua	CBC	2/28/2011	Yes		2/28/2012
King	Morgan A.	CH2M Hill	2/28/2011	Yes	2/2/2012	2/2/2013
Micetich	Joshua	Conco	2/28/2011	Yes		2/28/2012
Ward	John	Conco	2/28/2011	Yes		2/28/2012
Nimmo	William	Control Arc	2/28/2011	Yes		2/28/2012
Tweet	Sharon	Custom Arc	2/28/2011	Yes	2/16/2012	2/16/2013
Mowry	Donald E.	Elemental Energy	2/28/2011	Yes		2/28/2012
McGehee	Bobby	Elemental Energy	2/28/2011	Yes	2/9/2012	2/9/2013
Myers	Ryan	Elemental Energy	2/28/2011	Yes		2/28/2012
Ballinger	David	Fullmer	2/28/2011	Yes		2/28/2012
Calderon	Brigido	Fullmer	2/28/2011	Yes		2/28/2012
Jones	Daniel	Fullmer	2/28/2011	Yes		2/28/2012
Taylor	Charles	Fullmer	2/28/2011	Yes	1/26/2012	1/26/2013
Molle	Kevin	Fullmer	2/28/2011	Yes		2/28/2012
Mitchell	Danny	Fullmer	2/28/2011	Yes		2/28/2012
Link	Charles	SCE	2/28/2011	Yes		2/28/2012
Boyd	J. Scott	SCE	2/28/2011	Yes		2/28/2012
Laurice	Travis	SCE	2/28/2011	Yes		2/28/2012
Weidensee	Jennifer	Sundance Biology	2/28/2011	Yes		2/28/2012
Thibodeau	Ronald	Westside	2/28/2011	Yes		2/28/2012
Headrick	Andrew	MB Pro	3/3/2011	Yes		3/3/2012
Quilliam	Daniel R.	MB Pro	3/3/2011	Yes		3/3/2012
Palmeri	James	Neff Rental	3/3/2011	Yes		3/3/2012
Clegg-Haman	Sage	Sundance Biology	3/3/2011	Yes		3/3/2012
Erlandson	David	Sundance Biology	3/3/2011	Yes		3/3/2012
Welch	Michael	Sundance Biology	3/3/2011	Yes	3/8/2012	3/8/2013
Romero	Orlando	Bechtel Corp	3/7/2011	Yes		3/7/2012
Butcher	Ken	Bechtel Corp	3/7/2011	Yes		3/7/2012
Fortin	Marcel	Bechtel Corp	3/7/2011	Yes	2/9/2012	2/9/2013
James	Damon	Bechtel Corp	3/7/2011	Yes		3/7/2012
McDonald	Rory	Bechtel Corp	3/7/2011	Yes	3/1/2012	3/1/2013
Casner	Howard	Bechtel Corp	3/7/2011	Yes		3/7/2012
Brandenburg	Ryan	Bechtel Corp	3/7/2011	Yes	3/8/2012	3/8/2013
Sizemore	Joshua	Bechtel Corp	3/7/2011	Yes	2/16/2012	2/16/2013
Hattery	Pamela	Bechtel Corp	3/7/2011	Yes	2/16/2012	2/16/2013
Conticchio	Tracy	Bechtel Corp	3/7/2011	Yes		3/7/2012
Martinez	Robert	Bechtel Corp	3/7/2011	Yes	2/16/2012	2/16/2013
Morrison	Brian	Bechtel Corp	3/7/2011	Yes	2/16/2012	2/16/2013
Shedor	Paul	Bechtel Corp	3/7/2011	Yes		3/7/2012
Martinez	Michael	Bechtel Corp	3/7/2011	Yes		3/7/2012
Crowder	Dennis	Bechtel Corp	3/7/2011	Yes	2/16/2012	2/16/2013
Stunden	Kurt	'	3/7/2011	Yes	2/23/2012	2/23/2013
Robinson	Curtis T.	Cashman Equipment	3/7/2011	Yes		3/7/2012
Lahav	Amy	CH2M Hill	3/7/2011	Yes		3/7/2012
Gonzales	Shannon	Critigen	3/7/2011	Yes		3/7/2012
Bridge	Thomas	Crown Fence	3/7/2011	Yes		3/7/2012
Shealey	Dainen P.	Crown Fence	3/7/2011	Yes		3/7/2012
Carrillo	Israel	Olson Precast	3/7/2011	Yes		3/7/2012
Martin	Brent	Sundance Biology	3/7/2011	Yes		3/7/2012
Patterson	Jessie	Sundance Biology	3/7/2011	Yes		3/7/2012
Knowles	Craig	Sundance Biology	3/7/2011	Yes	4/19/2012	4/19/2013
Shelp	Kyle	Sundance Biology	3/7/2011	Yes		3/7/2012

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Robinson	Samuel	Vegas Drilling	3/7/2011	Yes		3/7/2012
Robinson	Byron	Vegas Drilling	3/7/2011	Yes		3/7/2012
DuPree	Gabriel	CH2M Hill	3/8/2011	Yes		3/8/2012
Clinger	Sarah	Kiva Biological	3/8/2011	Yes	2/2/2012	2/2/2013
Drummer	Adam	Kiva Biological	3/8/2011	Yes		3/8/2012
O'Connell	Deidre	Kiva Biological	3/8/2011	Yes		3/8/2012
Cohn	Brian	Kiva Biological	3/8/2011	Yes	2/9/2012	2/9/2013
DiRuzzo	Shannon	Kiva Biological	3/8/2011	Yes	2/9/2012	2/9/2013
Thomas	Suzanne	Sundance Biology	3/8/2011	Yes		3/8/2012
Thomas	Kevin	Sundance Biology	3/8/2011	Yes		3/8/2012
Eriksson	Mathias	Sundance Biology	3/8/2011	Yes	3/29/2012	3/29/2013
Hoover	Brian	Sundance Biology	3/8/2011	Yes		3/8/2012
Aykin	Don	Sundance Biology	3/8/2011	Yes		3/8/2012
Mayer	Frank	Sundance Biology	3/8/2011	Yes		3/8/2012
Shannon	Paula	Sundance Biology	3/8/2011	Yes		3/8/2012
Poli	Caroline	Sundance Biology	3/8/2011	Yes	3/22/2012	3/22/2013
Banfield	Nathan K.	Sundance Biology	3/8/2011	Yes		3/8/2012
Hazen	Michelle	Sundance Biology	3/8/2011	Yes		3/8/2012
Holcomb	Chris	Sundance Biology	3/8/2011	Yes		3/8/2012
Haralson	Lindsey	Bechtel Corp	3/14/2011	Yes	3/1/2012	3/1/2013
Lewandowski	Eric	Bechtel Corp	3/14/2011	Yes	2/16/2012	2/16/2013
Wedin	Gus	Bechtel Corp	3/14/2011	Yes	2/16/2012	2/16/2013
Henson	James	Bechtel Corp	3/14/2011	Yes	3/1/2012	3/1/2013
Miller	Eric	Bechtel Corp	3/14/2011	Yes		3/14/2012
Velazquez	Joel	Bechtel Corp	3/14/2011	Yes	3/1/2012	3/1/2013
Belber	Charles	Bechtel Corp	3/14/2011	Yes		3/14/2012
Denton	Gary	Bechtel Corp	3/14/2011	Yes	2/16/2012	2/16/2013
Badham	Eric	Bechtel Corp	3/14/2011	Yes		3/14/2012
Hunter	Tim	Bechtel Corp	3/14/2011	Yes		3/14/2012
Moore	Robert	Bechtel Corp	3/14/2011	Yes	3/8/2012	3/8/2013
Cordova	Alex Sr.	Bechtel Corp	3/14/2011	Yes	3/8/2012	3/8/2013
Sandala	Stephen	Bechtel Corp	3/14/2011	Yes		3/14/2012
Zarazara	Salvador	Bechtel Corp	3/14/2011	Yes		3/14/2012
Garcia	Jose R.	Bechtel Corp	3/14/2011	Yes	5/10/2012	5/10/2013
Lozano	Daniel	Bechtel Corp	3/14/2011	Yes	3/1/2012	3/1/2013
Myberger	Steve	Bechtel Corp	3/14/2011	Yes		3/14/2012
Martin	Dane	Cashman Equipment	3/14/2011	Yes		3/14/2012
Bale	Ed	Cashman Equipment	3/14/2011	Yes		3/14/2012
Newman	Cynthia	CH2M Hill	3/14/2011	Yes		3/14/2012
Newlen	Wayne	Farwest	3/14/2011	Yes		3/14/2012
Fox	Chad	Fastenal	3/14/2011	Yes		3/14/2012
Norwoon	Jerimy	Fastenal	3/14/2011	Yes		3/14/2012
Gutierrez	Daniel	Las Vegas Paving	3/14/2011	Yes		3/14/2012
Hagelback	Brian	Las Vegas Paving	3/14/2011	Yes	10/27/2011	10/27/2012
Wind	William	Las Vegas Paving	3/14/2011	Yes		3/14/2012
Mezas	Armando	Olson Precast	3/14/2011	Yes		3/14/2012
Vaughn	Deborah	Sundance Biology	3/14/2011	Yes		3/14/2012
Hamilton	Clay	Sundance Biology	3/14/2011	Yes		3/14/2012
Dee	Anthony	Sundance Biology	3/14/2011	Yes	2/16/2012	2/16/2013
Leechen	Melissa	Bechtel Corp	3/21/2011	Yes	3/1/2012	3/1/2013
Krenzke	Jim	Bechtel Corp	3/21/2011	Yes		3/21/2012
Eystad	Larry J.	Bechtel Corp	3/21/2011	Yes		3/21/2012
Snyder	Jeth	Bechtel Corp	3/21/2011	Yes	3/1/2012	3/1/2013
Martinez	JB	Bechtel Corp	3/21/2011	Yes		3/21/2012
Enriquez	Chris	Bechtel Corp	3/21/2011	Yes		3/21/2012

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Enriquez	Luke	Bechtel Corp	3/21/2011	Yes		3/21/2012
Strader	Mike	Bechtel Corp	3/21/2011	Yes		3/21/2012
Anderson	Richard A.	Bechtel Corp	3/21/2011	Yes		3/21/2012
Redgrave	Penny	Bechtel Corp	3/21/2011	Yes	3/1/2012	3/1/2013
Copeland	Kathy	Bechtel Corp	3/21/2011	Yes	3/1/2012	3/1/2013
Krecy	John	Bechtel Corp	3/21/2011	Yes	2/16/2012	2/16/2013
Barber	John	Bechtel Corp	3/21/2011	Yes	2/16/2012	2/16/2013
Rogers	Jeffery	Bechtel Corp	3/21/2011	Yes		3/21/2012
Lange	Scott	Bechtel Corp	3/21/2011	Yes	5/10/2012	5/10/2013
Phelan	Charles R.	Bechtel Corp	3/21/2011	Yes		3/21/2012
Miller	Christopher	Bechtel Corp	3/21/2011	Yes	12/22/2011	12/22/2012
Glover	Lene	Bechtel Corp	3/21/2011	Yes	3/1/2012	3/1/2013
Nelson	Erik	Bechtel Corp	3/21/2011	Yes	3/1/2012	3/1/2013
Cobian	Alex	Bechtel Corp	3/21/2011	Yes		3/21/2012
Doyle	Andrew	BrightSource	3/21/2011	Yes		3/21/2012
Larson	Paul Jr.	Cosco Fire Protection	3/21/2011	Yes		3/21/2012
Bevers	John	Cosco Fire Protection	3/21/2011	Yes		3/21/2012
Burdelle	Steve	Cosco Fire Protection	3/21/2011	Yes		3/21/2012
Hobbs	Chris	Cosco Fire Protection	3/21/2011	Yes		3/21/2012
Shelton	Eddy	Cosco Fire Protection	3/21/2011	Yes		3/21/2012
Meade	JR	Cosco Fire Protection	3/21/2011	Yes		3/21/2012
Burch	Jacob	Cosco Fire Protection	3/21/2011	Yes		3/21/2012
Corebova	Antonio	Cosco Fire Protection	3/21/2011	Yes		3/21/2012
Brown	Michael	Dielco Crane	3/21/2011	Yes		3/21/2012
Peters	Kurt	Elemental Energy	3/21/2011	Yes		3/21/2012
Varner	Howard	Elemental Energy	3/21/2011	Yes		3/21/2012
Harrison	Brad	Swageler	3/21/2011	Yes		3/21/2012
Olano	Florante	United Rentals	3/21/2011	Yes	2/9/2012	2/9/2013
DeGrogorio	Brett	Sundance Biology	3/24/2011	Yes		3/24/2012
Kermoan	Kip	Sundance Biology	3/24/2011	Yes		3/24/2012
Wiese	Chris	Sundance Biology	3/24/2011	Yes		3/24/2012
Keaton	Cher	Sundance Biology	3/24/2011	Yes		3/24/2012
Bedwell	Chris	Sundance Biology	3/24/2011	Yes		3/24/2012
Cloud-Hughes	Michelle	Sundance Biology	3/24/2011	Yes		3/24/2012
Miranda	Juan F.	Sundance Biology	3/24/2011	Yes		3/24/2012
Figueruo	Martin Gabriel	Sundance Biology	3/24/2011	Yes		3/24/2012
Thompson	Molly	Sundance Biology	3/24/2011	Yes		3/24/2012
Castillo	Merari Diaz	Sundance Biology	3/24/2011	Yes		3/24/2012
Bennett	Russell	Bechtel Corp	3/28/2011	Yes	3/1/2012	3/1/2013
Mueller	Joseph	Bechtel Corp	3/28/2011	Yes		3/28/2012
Dominquez	Daniel	Bechtel Corp	3/28/2011	Yes		3/28/2012
Nunez	J. Jesus	Bechtel Corp	3/28/2011	Yes		3/28/2012
Nunez	Kenneth	Bechtel Corp	3/28/2011	Yes		3/28/2012
Thornhill	Thomas	Bechtel Corp	3/28/2011	Yes	3/22/2012	3/22/2013
Lancaster	Randy	Bechtel Corp	3/28/2011	Yes		3/28/2012
Criscuoia	Anthony	Bechtel Corp	3/28/2011	Yes		3/28/2012
Dafni	Yosef	BSCM	3/28/2011	Yes		3/28/2012
Wright	George	Carpenters Local 944	3/28/2011	Yes		3/28/2012
Harris	Joshua	Conco	3/28/2011	Yes		3/28/2012
Globig	Joseph	Conco	3/28/2011	Yes		3/28/2012
Holland	Leroy S.	Hertz Equipment	3/28/2011	Yes		3/28/2012
Richarte	Angelo	Las Vegas Paving	3/28/2011	Yes		3/28/2012
Valenzuela	Alonso	Merli	3/28/2011	Yes		3/28/2012
Lofts	Jason Robert	Merli	3/28/2011	Yes		3/28/2012
Hernandez	David	P&I Supply	3/28/2011	Yes		3/28/2012

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Darnell	Timothy	P&I Supply	3/28/2011	Yes		3/28/2012
Spenceley	Lindsay	Sundance Biology	3/28/2011	Yes		3/28/2012
Hale	James L.	Sunstate Equipment	3/28/2011	Yes		3/28/2012
Bates	Jillian	Rincon	3/30/2011	Yes		3/30/2012
Fox-Fernandez	Nancy	Rincon	3/30/2011	Yes		3/30/2012
Tom	Michael	Rincon	3/30/2011	Yes		3/30/2012
Olson	Brody	Rincon	3/30/2011	Yes		3/30/2012
Warire	Gwen	Sundance Biology	3/30/2011	Yes		3/30/2012
Mollchele	Bill	Sundance Biology	3/30/2011	Yes		3/30/2012
Wracher	Andrew	Sundance Biology	3/30/2011	Yes		3/30/2012
Croll	Andrea	SELF/Solar partners	3/30/2011	Yes	3/29/2012	3/29/2013
Reiley	Bryan	Sundance Biology	3/30/2011	Yes		3/30/2012
Verge	Joey	Self/SP	3/30/2011	Yes	4/19/2012	4/19/2013
Haley	Mike	AGG Industries	4/4/2011	Yes		4/4/2012
Hunsucker	Dave	Bechtel Corp	4/4/2011	Yes		4/4/2012
Rendon	Nathan	Bechtel Corp	4/4/2011	Yes		4/4/2012
Avila	Ben	Bechtel Corp	4/4/2011	Yes		4/4/2012
Rellinger	John	Bechtel Corp	4/4/2011	Yes		4/4/2012
Woods	Michael	Bechtel Corp	4/4/2011	Yes	4/12/2012	4/4/2012
Berg	Daniel	Bechtel Corp	4/4/2011	Yes		4/4/2012
Chavez	Jonathan	Bechtel Corp	4/4/2011	Yes		4/4/2012
Marotta	Michael	Bechtel Corp	4/4/2011	Yes		4/4/2012
Worth	Ben	Bechtel Corp	4/4/2011	Yes	3/1/2012	3/1/2013
Rezek	Roy	Bechtel Corp	4/4/2011	Yes	3/22/2012	3/22/2013
Scott	Brian	Bechtel Corp	4/4/2011	Yes	2/23/2012	2/23/2013
Savastio	Rennae	Bechtel Corp	4/4/2011	Yes	3/8/2012	3/8/2013
Vicentt	Don	Bechtel Corp	4/4/2011	Yes		4/4/2012
Rodriguez	Albert	Bechtel Corp	4/4/2011	Yes		4/4/2012
Kudlinski	David	Bureau Veritas	4/4/2011	Yes		4/4/2012
Finley	Brent	CH2M Hill	4/4/2011	Yes		4/4/2012
Andyzejczak	Zenon	Crown Fence	4/4/2011	Yes		4/4/2012
Toll	Jon	CTS	4/4/2011	Yes		4/4/2012
Berkley	Daniel Sr.	CTS	4/4/2011	Yes		4/4/2012
Camacho	Juan	H T E	4/4/2011	Yes		4/4/2012
Lopez	Matthew	Hertz Equipment	4/4/2011	Yes		4/4/2012
Delarosa	Danny	Las Vegas Paving	4/4/2011	Yes		4/4/2012
Brown	Alex	Phoenix Ecological	4/4/2011	Yes		4/4/2012
Campbell	Nathan	Phoenix Ecological	4/4/2011	Yes		4/4/2012
Tuberville	Tracey	Sundance Biology	4/4/2011	Yes		4/4/2012
Buhlmann	Kurt	Sundance Biology	4/4/2011	Yes		4/4/2012
Praschag	Peter	Sundance Biology	4/4/2011	Yes		4/4/2012
Humphreys	Lori	Sundance Biology	4/4/2011	Yes		4/4/2012
Wilsey	Arnie	Sundance Biology	4/4/2011	Yes		4/4/2012
Hansen	Erica	Sundance Biology	4/4/2011	Yes		4/4/2012
Green	Erich	Sundance Biology	4/4/2011	Yes		4/4/2012
Jeane	LaDeana	Sundance Biology	4/4/2011	Yes	3/29/2012	3/29/2013
Wilsey	Seth	Sundance Biology	4/4/2011	Yes		4/4/2012
Baltic	Laina	Sundance Biology	4/4/2011	Yes		4/4/2012
MacNaughton	Joshua	Sundance Biology	4/4/2011	Yes		4/4/2012
Bernstein	Eli	Sundance Biology	4/4/2011	Yes		4/4/2012
Hopkins	Cindy	Xeric Specialties	4/4/2011	Yes		4/4/2012
Whitson	Darren	Bechtel Corp	4/11/2011	Yes		4/11/2012
Moto	George	Bechtel Corp	4/11/2011	Yes		4/11/2012
Amador	Adrian	Bechtel Corp	4/11/2011	Yes		4/11/2012
Eustaquio	Adan	Bechtel Corp	4/11/2011	Yes		4/11/2012

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Brol	Michael W.	Bechtel Corp	4/11/2011	Yes		4/11/2012
Howard	Ernest	Bechtel Corp	4/11/2011	Yes		4/11/2012
Pfister	Dennis	Bechtel Corp	4/11/2011	Yes		4/11/2012
Shockley	Robert M.	Bechtel Corp	4/11/2011	Yes		4/11/2012
Miller	John R.	Bechtel Corp	4/11/2011	Yes		4/11/2012
Jaime	Ruben	Bechtel Corp	4/11/2011	Yes		4/11/2012
Beltran	Ruben	Bechtel Corp	4/11/2011	Yes		4/11/2012
Fisher	Ward	Bechtel Corp	4/11/2011	Yes		4/11/2012
Holt	Jack	Bechtel Corp	4/11/2011	Yes		4/11/2012
Nguyen	Dylan	BrightSource	4/11/2011	Yes		4/11/2012
Brenton	Beau	Hampton Tedder	4/11/2011	Yes		4/11/2012
Cates	Roger	Hampton Tedder	4/11/2011	Yes		4/11/2012
Wedge	Gary	Hampton Tedder	4/11/2011	Yes		4/11/2012
McKenna	Steven	NRG	4/11/2011	Yes		4/11/2012
Ponzer	Matt	NRG	4/11/2011	Yes	4/19/2012	4/19/2013
Beaudoin	Dave	NRG	4/11/2011	Yes		4/11/2012
Post	Tony	NRG	4/11/2011	Yes		4/11/2012
Mayes	Steve	RDO Equip.	4/11/2011	Yes		4/11/2012
Arrington	Ken	Southwire Co	4/11/2011	Yes		4/11/2012
Campos	Manuel	Starlite Reclamation	4/11/2011	Yes		4/11/2012
Beran	Jason	Bechtel Corp	4/13/2011	Yes		4/13/2012
Baucum	Rodney	Bechtel Corp	4/13/2011	Yes		4/13/2012
Maxson	James	Bechtel Corp	4/13/2011	Yes		4/13/2012
Everhart	Larry	Bechtel Corp	4/13/2011	Yes	4/12/2012	4/12/2013
Jeffers	Robert	Bechtel Corp	4/13/2011	Yes		4/13/2012
Wikon	Brandon	Bechtel Corp	4/13/2011	Yes		4/13/2012
Johnson	Mike	Bechtel Corp	4/18/2011	Yes		4/18/2012
Johnson	Mark	Burns & McDonnell	4/18/2011	Yes	4/19/2012	4/19/2013
Armijo	Zeke	Cashman Equipment	4/18/2011	Yes	4/12/2012	4/12/2013
Curlee III	Hal	CECO	4/18/2011	Yes		4/18/2012
McBride	John	Cosco Fire Protection	4/18/2011	Yes		4/18/2012
Littleman	Kee	Hampton Tedder	4/18/2011	Yes		4/18/2012
Velazquez	Cruz	Hampton Tedder	4/18/2011	Yes		4/18/2012
Pugh	Jim	Hampton Tedder	4/18/2011	Yes	4/12/2012	4/12/2013
Pan	Edgar Allan P.	Hertz Equipment	4/18/2011	Yes		4/18/2012
Bailey	Art	Insulator	4/18/2011	Yes		4/18/2012
Nafus	Melia	NA	4/18/2011	Yes		4/18/2012
Stizoh	Howard E.	NRG	4/18/2011	Yes	4/19/2012	4/19/2013
Fisk	Tim	NRG	4/18/2011	Yes	4/19/2012	4/19/2013
Marquardt	Kenneth	Pacific Coast Tool	4/18/2011	Yes		4/18/2012
Marquardt	Ken Sr.	Pacific Coast Tool	4/18/2011	Yes		4/18/2012
Silverman	David	Phoenix Ecological	4/18/2011	Yes		4/18/2012
Wood	Eric L.	SheetMetal	4/18/2011	Yes		4/18/2012
Cisneros	Jeffrey R.	SheetMetal	4/18/2011	Yes		4/18/2012
Nelsen	Dean	SheetMetal	4/18/2011	Yes		4/18/2012
Sedillo	Jerry	SheetMetal	4/18/2011	Yes		4/18/2012
Rousseau	Steve	SheetMetal	4/18/2011	Yes		4/18/2012
Harp	Liana	Sundance Biology	4/18/2011	Yes		4/18/2012
Kuntzich	Christopher	Sundance Biology	4/18/2011	Yes		4/18/2012
Rogers	Rick Sr.	United Rentals	4/18/2011	Yes		4/18/2012
Thrower	Russ	Bechtel Corp	4/25/2011	Yes		4/25/2012
Wirner	Jeff	Bechtel Corp	4/25/2011	Yes		4/25/2012
Renick	Brady	Bechtel Corp	4/25/2011	Yes		4/25/2012
Hernandez	Hugo	Bechtel Corp	4/25/2011	Yes		4/25/2012
Murphy	John C.	Bechtel Corp	4/25/2011	Yes		4/25/2012

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Riggs	Rodney G.	Bechtel Corp	4/25/2011	Yes	3/22/2012	3/22/2013
Windh	Jason A.	Bechtel Corp	4/25/2011	Yes		4/25/2012
Rubio	Carlos	Bechtel Corp	4/25/2011	Yes	4/12/2012	4/12/2013
Becker	Joe	Bechtel Corp	4/25/2011	Yes		4/25/2012
Kirschenheiter	Kathi	Bechtel Corp	4/25/2011	Yes	3/22/2012	3/22/2013
Salerdo	Rodolfo	Bechtel Corp	4/25/2011	Yes		4/25/2012
Pelley	Robert	Bechtel Corp	4/25/2011	Yes		4/25/2012
Dixon	Antonio	Bechtel Corp	4/25/2011	Yes		4/25/2012
Sondovel	Jose O.	Bechtel Corp	4/25/2011	Yes		4/25/2012
Acosta	Rogelio	Bechtel Corp	4/25/2011	Yes		4/25/2012
King	Brian	Bechtel Corp	4/25/2011	Yes		4/25/2012
Atilano	Richard	Bechtel Corp	4/25/2011	Yes		4/25/2012
Aaenson	Dandy L.	Bechtel Corp	4/25/2011	Yes		4/25/2012
Zano	Haim	BrightSource II	4/25/2011	Yes		4/25/2012
Ehiemere	Uzoma	BrightSource	4/25/2011	Yes		4/25/2012
Jaramillo	Santiago Jr.	BrightSource	4/25/2011	Yes		4/25/2012
Martinez	Juan	BrightSource	4/25/2011	Yes		4/25/2012
Focardi	David	Sundance Biology	4/25/2011	Yes		4/25/2012
Stearman	Will	United Rentals	4/25/2011	Yes	2/16/2012	2/16/2013
Doll	Darrell	Vision	4/25/2011	Yes		4/25/2012
Bowles	Scott	Vision	4/25/2011	Yes		4/25/2012
Wosner	David	Vision	4/25/2011	Yes		4/25/2012
Gonzalez	Victor	Bechtel Corp	5/2/2011	Yes		5/2/2012
Scott	Walter	Bechtel Corp	5/2/2011	Yes	5/10/2012	5/10/2013
Bryant	Michael K.	Bechtel Corp	5/2/2011	Yes		5/2/2012
Baird	Thomas	Bechtel Corp	5/2/2011	Yes		5/2/2012
Phillips	Jonathan	Bechtel Corp	5/2/2011	Yes		5/2/2012
Rodriguez	Bryan	Bechtel Corp	5/2/2011	Yes	5/10/2012	5/10/2013
Ramiro	Mario	Bechtel Corp	5/2/2011	Yes	5/17/2012	5/17/2013
Morbitzer	Don	Bechtel Corp	5/2/2011	Yes	5/10/2012	5/10/2013
Powers	John H.	Bechtel Corp	5/2/2011	Yes		5/2/2012
Velasco	Abraham	Bechtel Corp	5/2/2011	Yes	5/10/2012	5/10/2013
Planck	Danny	Bechtel Corp	5/2/2011	Yes		5/2/2012
Stoddart	Charles	Bechtel Corp	5/2/2011	Yes	5/10/2012	5/10/2013
Fisher	Ronald	Bechtel Corp	5/2/2011	Yes		5/2/2012
Sitters	Mark	Bechtel Corp	5/2/2011	Yes		5/2/2012
Ferjo	Derik	Bechtel Corp	5/2/2011	Yes	5/10/2012	5/10/2013
Maroda	Mike	Bechtel Corp	5/2/2011	Yes		5/2/2012
Sheley	Tony	Bechtel Corp	5/2/2011	Yes		5/2/2012
Bar Or	Nadav	BrightSource	5/2/2011	Yes		5/2/2012
Brown	Steven	HCE	5/2/2011	Yes		5/2/2012
Wade	Daniel	Las Vegas Paving	5/2/2011	Yes		5/2/2012
Johnson	Brian	Las Vegas Paving	5/2/2011	Yes		5/2/2012
Dalley	Don	Las Vegas Paving	5/2/2011	Yes		5/2/2012
Barnett	Dennis	Las Vegas Paving	5/2/2011	Yes		5/2/2012
Marenko	Mack V.	Las Vegas Paving	5/2/2011	Yes		5/2/2012
Vizcarra	Beverly	Las Vegas Paving	5/2/2011	Yes		5/2/2012
Freel	Chad	Las Vegas Paving	5/2/2011	Yes		5/2/2012
Hoyos	Dustin	Las Vegas Paving	5/2/2011	Yes		5/2/2012
Magallan	Josue	Las Vegas Paving	5/2/2011	Yes		5/2/2012
Freeman	Prentice	Las Vegas Paving	5/2/2011	Yes		5/2/2012
Forsyth	Duncan	NRG	5/2/2011	Yes	5/17/2012	5/17/2013
Pickering	Jason	Paclink	5/2/2011	Yes		5/2/2012
Schibi	Robert	Southern Tire	5/2/2011	Yes		5/2/2012
See	Gretchen	Sundance Biology	5/2/2011	Yes		5/2/2012

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Adkins	Cindy	Talascend	5/2/2011	Yes	4/12/2012	5/12/2013
Breese	Allan	AGCS	5/9/2011	Yes		5/9/2012
Mason	Stephen	Bechtel Corp	5/9/2011	Yes	5/10/2012	5/10/2013
Wallace	John	Bechtel Corp	5/9/2011	Yes		5/9/2012
Strickland	Curtis	Bechtel Corp	5/9/2011	Yes		5/9/2012
Gerdes	Steven	Bechtel Corp	5/9/2011	Yes		5/9/2012
Stewart	James	Bechtel Corp	5/9/2011	Yes		5/9/2012
Marquardt	Matt	Bechtel Corp	5/9/2011	Yes		5/9/2012
Poach	Doug	Bechtel Corp	5/9/2011	Yes	5/10/2012	5/10/2013
Allen	Dennis	Bechtel Corp	5/9/2011	Yes		5/9/2012
Koopman	Dirk	Bechtel Corp	5/9/2011	Yes	4/12/2012	5/12/2013
Cameron	Tom	Bechtel Corp	5/9/2011	Yes		5/9/2012
Kildare	Mark	Bechtel Corp	5/9/2011	Yes		5/9/2012
Rich	Sean	Bechtel Corp	5/9/2011	Yes		5/9/2012
Radham	Todd	Bechtel Corp	5/9/2011	Yes		5/9/2012
Moreno	Fernando	Bechtel Corp	5/9/2011	Yes		5/9/2012
Williams	Don	Bechtel Corp	5/9/2011	Yes	3/1/2012	3/1/2013
Yanner	James	NRG	5/9/2011	Yes		5/9/2012
Olson	Mike	SCE	5/9/2011	Yes		5/9/2012
Coger	Matt	SCE	5/9/2011	Yes		5/9/2012
Staggs	Jeremiah	SCE	5/9/2011	Yes		5/9/2012
Esquirel	Franklin	SCE	5/9/2011	Yes		5/9/2012
Seals	Peyton	SCE	5/9/2011	Yes		5/9/2012
Bond	Bradley	SCE	5/9/2011	Yes		5/9/2012
Davis	Nathan	SCE	5/9/2011	Yes		5/9/2012
Roth	Ryan	SCE	5/9/2011	Yes		5/9/2012
Almarat	Ephriam	SCE	5/9/2011	Yes		5/9/2012
Villa	Jorge R.	SCE	5/9/2011	Yes		5/9/2012
Thompson	Bruce Sr.	SCE	5/9/2011	Yes		5/9/2012
Pachbod	Peter	SCE	5/9/2011	Yes		5/9/2012
Goemillion	Pat	SCE	5/9/2011	Yes		5/9/2012
Gray	Travis	SCE	5/9/2011	Yes		5/9/2012
Johnson	Kevin	SCE	5/9/2011	Yes		5/9/2012
Hagsell	Jason	SCE	5/9/2011	Yes		5/9/2012
Majchriwicz	Elizabeth	SCE	5/9/2011	Yes		5/9/2012
Scott	Eric L.	SCE	5/9/2011	Yes		5/9/2012
Schaap	Matt	SCE	5/9/2011	Yes		5/9/2012
Peet	James	SCE	5/9/2011	Yes		5/9/2012
Villasenor	Cedrick	SCE	5/9/2011	Yes		5/9/2012
McCraney	Lorne	STM	5/9/2011	Yes		5/9/2012
Herbinson	Kelly	SP DES. BIOLOGIST	5/9/2011	Yes	5/10/2012	5/10/2013
Garvey	Mike	Sundance Biology	5/9/2011	Yes		5/9/2012
Shapira	Shai	Autumatica	5/16/2011	Yes		5/16/2012
Bashan	Dolev	Autumatica	5/16/2011	Yes		5/16/2012
Valencio	Enrique	Bechtel Corp	5/16/2011	Yes		5/16/2012
Argnelles	Luis	Bechtel Corp	5/16/2011	Yes		5/16/2012
Riddle	Lonnie	Bechtel Corp	5/16/2011	Yes		5/16/2012
Thrakkill	Bob	Bechtel Corp	5/16/2011	Yes		5/16/2012
Pachero	Jason	Bechtel Corp	5/16/2011	Yes		5/16/2012
Chavez	Jeremy	Bechtel Corp	5/16/2011	Yes		5/16/2012
Garcia	Ernestina	Bechtel Corp	5/16/2011	Yes		5/16/2012
Martinez	Arthur	Bechtel Corp	5/16/2011	Yes		5/16/2012
Grande	Ralph	Bechtel Corp	5/16/2011	Yes		5/16/2012
France	Alan	Bechtel Corp	5/16/2011	Yes		5/16/2012
Tlingaman	Gillo	Bechtel Corp	5/16/2011	Yes		5/16/2012

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Lowenthal	Terry	Bechtel Corp	5/16/2011	Yes		5/16/2012
Hicks	Wade	Bechtel Corp	5/16/2011	Yes		5/16/2012
Gaudin	Justin	Bechtel Corp	5/16/2011	Yes		5/16/2012
Whiteside	Robert M.	Bechtel Corp	5/16/2011	Yes		5/16/2012
Cottrell	Jeremiah	Bechtel Corp	5/16/2011	Yes		5/16/2012
Davis	Kendall R.	Bechtel Corp	5/16/2011	Yes		5/16/2012
Soles	Jacob	Bechtel Corp	5/16/2011	Yes		5/16/2012
Lenhart	Paul	Bechtel Corp	5/16/2011	Yes		5/16/2012
McFarland	Michael A.	Bechtel Corp	5/16/2011	Yes		5/16/2012
Green	Robert	Bechtel Corp	5/16/2011	Yes		5/16/2012
Helms	Gregory	Bechtel Corp	5/16/2011	Yes		5/16/2012
Gallegos	Johnny	Bechtel Corp	5/16/2011	Yes		5/16/2012
Peck	Corey	Bechtel Corp	5/16/2011	Yes		5/16/2012
Ghadban	Sunny	Bechtel Corp	5/16/2011	Yes		5/16/2012
Poppenger	David	BrightSource Energy	5/16/2011	Yes		5/16/2012
Wachs	Keely	BrightSource Energy	5/16/2011	Yes		5/16/2012
Hunter	Kristin	BrightSource Energy	5/16/2011	Yes		5/16/2012
Deanrel	Sam	BSE	5/16/2011	Yes		5/16/2012
Nancarroles	Andrew	Flicker Flacker	5/16/2011	Yes		5/16/2012
Bar-Lev	Amir	Flicker Flacker	5/16/2011	Yes		5/16/2012
White	Alex	Flicker Flacker	5/16/2011	Yes		5/16/2012
Bejarano	Edwardo	Flicker Flacker	5/16/2011	Yes		5/16/2012
Kerby	Pat	Flicker Flacker	5/16/2011	Yes		5/16/2012
Kerby	Max	Flicker Flacker	5/16/2011	Yes		5/16/2012
Owens	Douglas	Frontier Radio	5/16/2011	Yes		5/16/2012
Delarosa	Armando	Frontier Radio	5/16/2011	Yes		5/16/2012
Muchow	Wolfgang	Frontier Radio	5/16/2011	Yes		5/16/2012
Ellibee	Lee	Frontier Radio	5/16/2011	Yes		5/16/2012
Mendiola	Ronald	Las Vegas Paving	5/16/2011	Yes		5/16/2012
Neuman	Lori	NRG	5/16/2011	Yes		5/16/2012
McMurray	Douglas	Pile Drivers 2375	5/16/2011	Yes	1/12/2012	1/12/2013
Seidl	Jason	Securitas	5/16/2011	Yes		5/16/2012
Jartmilk	Chris	Starlite Reclamation	5/16/2011	Yes		5/16/2012
Bires	Ronald	Starlite Reclamation	5/16/2011	Yes		5/16/2012
Rodriguez	Sam	Starlite Reclamation	5/16/2011	Yes		5/16/2012
Greene	Michael	Starlite Reclamation	5/16/2011	Yes		5/16/2012
Dedick	Michael	Starlite Reclamation	5/16/2011	Yes		5/16/2012
Dudai	Tzafrir	Autumatica	5/23/2011	Yes		5/23/2012
Copeland	Alicia	Bechtel Corp	5/23/2011	Yes		5/23/2012
Sandoval	Armando	Bechtel Corp	5/23/2011	Yes		5/23/2012
Guerrero	Benito	Bechtel Corp	5/23/2011	Yes		5/23/2012
Torres	Heriberto	Bechtel Corp	5/23/2011	Yes		5/23/2012
Leyvo	Librado	Bechtel Corp	5/23/2011	Yes		5/23/2012
Ruiz	Ulises A.	Bechtel Corp	5/23/2011	Yes		5/23/2012
Moreno	Guadalupe	Bechtel Corp	5/23/2011	Yes		5/23/2012
Kipper	Steven	Bechtel Corp	5/23/2011	Yes		5/23/2012
Shark	Jeffrey	Bechtel Corp	5/23/2011	Yes		5/23/2012
Vega	Christopher	Bechtel Corp	5/23/2011	Yes		5/23/2012
Alvarez	Art	Bechtel Corp	5/23/2011	Yes		5/23/2012
Bonilles	Michael	Bechtel Corp	5/23/2011	Yes		5/23/2012
Sanchez	Simon	Bechtel Corp	5/23/2011	Yes		5/23/2012
Rush	Brandon	Bechtel Corp	5/23/2011	Yes		5/23/2012
Lawhon	Mike	Bechtel Corp	5/23/2011	Yes	12/22/2011	12/22/2012
Camorlinga	Francisco	Bechtel Corp	5/23/2011	Yes		5/23/2012
Runyan	Patrick	Bechtel Corp	5/23/2011	Yes		5/23/2012

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Soper	Ryan K.	Bechtel Corp	5/23/2011	Yes		5/23/2012
Hill	Timothy	Bechtel Corp	5/23/2011	Yes		5/23/2012
Uteru	Mike	Bechtel Corp	5/23/2011	Yes		5/23/2012
Chandler	Paul	Bechtel Corp	5/23/2011	Yes		5/23/2012
Urist	J.Marshall	Bechtel Corp	5/23/2011	Yes		5/23/2012
Anderson	Kevin	Bechtel Corp	5/23/2011	Yes		5/23/2012
Williams	Gary	Bechtel Corp	5/23/2011	Yes		5/23/2012
Ramersad	RJ	Bechtel Corp	5/23/2011	Yes		5/23/2012
Rhaintre	Catherine	BioRC (SCE)	5/23/2011	Yes		5/23/2012
Hoover	Chris	Hampton Tedder	5/23/2011	Yes		5/23/2012
Lambert	Bill	Hose Power	5/23/2011	Yes		5/23/2012
Lomix	Barry	Hose Power	5/23/2011	Yes		5/23/2012
Clark	Russell	Hose Power	5/23/2011	Yes		5/23/2012
Bar-El	Daran	I-Scan Robotics	5/23/2011	Yes		5/23/2012
Conway	Robert	IW #433	5/23/2011	Yes		5/23/2012
Bonnett	Cody	Bechtel Corp	5/31/2011	Yes		5/31/2012
Braun	Mike	Bechtel Corp	5/31/2011	Yes		5/31/2012
Easton	John	Bechtel Corp	5/31/2011	Yes		5/31/2012
Raysik	Charles	Bechtel Corp	5/31/2011	Yes		5/31/2012
Klaus	Emma	Bechtel Corp	5/31/2011	Yes		5/31/2012
Zamodio	Reynaldo	Bechtel Corp	5/31/2011	Yes		5/31/2012
Shields	Dario	Bechtel Corp	5/31/2011	Yes		5/31/2012
Smegelski	Richard	Bechtel Corp	5/31/2011	Yes		5/31/2012
Camberos	Tony	Bechtel Corp	5/31/2011	Yes		5/31/2012
Calvin	Griffin	Bechtel Corp	5/31/2011	Yes		5/31/2012
Gonder	Brian	Bechtel Corp	5/31/2011	Yes		5/31/2012
Koelling	Donald	Bechtel Corp	5/31/2011	Yes		5/31/2012
Diaz	Richard	Bechtel Corp	5/31/2011	Yes		5/31/2012
Rodriguez	Joseph	Bechtel Corp	5/31/2011	Yes		5/31/2012
Barnhardt	Shane	Bechtel Corp	5/31/2011	Yes		5/31/2012
Silvey	Michael	Bechtel Corp	5/31/2011	Yes		5/31/2012
Soldini	Daniel	Bechtel Corp	5/31/2011	Yes		5/31/2012
May	William A.	Bechtel Corp	5/31/2011	Yes		5/31/2012
Centerio	Manuel	Bechtel Corp	5/31/2011	Yes		5/31/2012
Simmons	Mick	Bechtel Corp	5/31/2011	Yes		5/31/2012
Rauter	Ken	Bechtel Corp	5/31/2011	Yes		5/31/2012
Petrpcelli	Nick	Bechtel Corp	6/6/2011	Yes		6/6/2012
Diab	Michael J.	Bechtel Corp	6/6/2011	Yes		6/6/2012
Mendenhell	Mark	Bechtel Corp	6/6/2011	Yes		6/6/2012
Cornish	Jess Jr.	Bechtel Corp	6/6/2011	Yes		6/6/2012
Wilson	Lee	Bechtel Corp	6/6/2011	Yes		6/6/2012
Mrovcak	Andrew	Bechtel Corp	6/6/2011	Yes		6/6/2012
Lizares	Bensen	Bechtel Corp	6/6/2011	Yes		6/6/2012
Pavlik	John	Bechtel Corp	6/6/2011	Yes		6/6/2012
Gilmore	Nick	Bechtel Corp	6/6/2011	Yes		6/6/2012
Velksco	Misvel	Bechtel Corp	6/6/2011	Yes		6/6/2012
Cisneros	Jose	Bechtel Corp	6/6/2011	Yes		6/6/2012
Moore	Lindsey	Bechtel Corp	6/6/2011	Yes		6/6/2012
Burgum	Mark	Bechtel Corp	6/6/2011	Yes		6/6/2012
Brown	Dan	Bechtel Corp	6/6/2011	Yes		6/6/2012
Enciso	Carlos	Bechtel Corp	6/6/2011	Yes		6/6/2012
Lane	Rob	Bechtel Corp	6/6/2011	Yes		6/6/2012
Smith	Kurt	Bechtel Corp	6/6/2011	Yes		6/6/2012
Rodriguez	Rudy	Bechtel Corp	6/6/2011	Yes		6/6/2012
Cowen	Casey	Bechtel Corp	6/6/2011	Yes		6/6/2012

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Duarte	Richard	Bechtel Corp	6/6/2011	Yes		6/6/2012
Kinkade	Lorrie	Bechtel Corp	6/6/2011	Yes		6/6/2012
Avalos	Andy	Bechtel Corp	6/6/2011	Yes		6/6/2012
Clacke	Jack	Bechtel Corp	6/6/2011	Yes		6/6/2012
Rodrimiez	Jose	Bechtel Corp	6/6/2011	Yes		6/6/2012
Mejia	Erick	Bechtel Corp	6/6/2011	Yes		6/6/2012
Burns	Jennifer	Bechtel Corp	6/6/2011	Yes		6/6/2012
Klinkert	Jason	Bechtel Corp	6/6/2011	Yes		6/6/2012
Eckel	Jake	Bechtel Corp	6/6/2011	Yes		6/6/2012
Hall	Gary	Cashman Equipment	6/6/2011	Yes		6/6/2012
Buchholz	Corbin	Caterpillar	6/6/2011	Yes		6/6/2012
Quesenberry	Jim	NRG	6/6/2011	Yes		6/6/2012
Hilmerson	Deb	NRG	6/6/2011	Yes		6/6/2012
Craft	Roy C.	NRG	6/6/2011	Yes		6/6/2012
Anderson	Darrell	Prospect Steel	6/6/2011	Yes		6/6/2012
Betzler	Joseph	AECOM / SCE	6/13/2011	Yes		6/13/2012
Remind	Matthew	AEI-CASC / SCE	6/13/2011	Yes		6/13/2012
Batlorf	Alan	AEI-CASC / SCE	6/13/2011	Yes		6/13/2012
Pokryski	Stephen T.	Bechtel Corp	6/13/2011	Yes		6/13/2012
Muniz	Isaac	Bechtel Corp	6/13/2011	Yes		6/13/2012
Dobyns	Timothy	Bechtel Corp	6/13/2011	Yes		6/13/2012
Mendenger	Mery	Bechtel Corp	6/13/2011	Yes		6/13/2012
Vasquez	Carlos	Bechtel Corp	6/13/2011	Yes		6/13/2012
Balos	Mike	Bechtel Corp	6/13/2011	Yes		6/13/2012
Fellows	Duane	Bechtel Corp	6/13/2011	Yes		6/13/2012
Ortiz	Carlos	Bechtel Corp	6/13/2011	Yes		6/13/2012
Gonzalez	Javier	Bechtel Corp	6/13/2011	Yes		6/13/2012
Gonzalez	Oguer	Bechtel Corp	6/13/2011	Yes		6/13/2012
Lopez	Juan D.	Bechtel Corp	6/13/2011	Yes		6/13/2012
Madrid	Andrew	Bechtel Corp	6/13/2011	Yes		6/13/2012
Barranon	Anthony	Bechtel Corp	6/13/2011	Yes		6/13/2012
Shiffer	Darrel Jr.	Bechtel Corp	6/13/2011	Yes	5/31/2012	5/31/2013
Alvarado	Sam	Bechtel Corp	6/13/2011	Yes		6/13/2012
Floesnce	Fred	Big To	6/13/2011	Yes		6/13/2012
Draa	Anna	Converse Consultants	6/13/2011	Yes		6/13/2012
Werle	Jim	Converse Consultants	6/13/2011	Yes		6/13/2012
Nordstrom	Paul	Converse Consultants	6/13/2011	Yes		6/13/2012
Johnpillar	Charles	Converse Consultants	6/13/2011	Yes		6/13/2012
Maciez	Antonio Jr.	Converse Consultants	6/13/2011	Yes		6/13/2012
Hart	John Brooks	Corvus Ecological	6/13/2011	Yes		6/13/2012
Ogle	Greg	EDI	6/13/2011	Yes		6/13/2012
Lasswell	Kevin	EDI	6/13/2011	Yes		6/13/2012
Gross	Nick	EDI	6/13/2011	Yes		6/13/2012
High	Thomas	EDI	6/13/2011	Yes		6/13/2012
Pickford	Roger	Eisenmann	6/13/2011	Yes		6/13/2012
Mains	Charles	Elite Drilling	6/13/2011	Yes		6/13/2012
Hill	Tom	Gen & Solar	6/13/2011	Yes		6/13/2012
Sandoval	Santos	Local Five	6/13/2011	Yes		6/13/2012
Wojack	Klaus	SCE	6/13/2011	Yes		6/13/2012
Goodwin	Ken	SCE	6/13/2011	Yes		6/13/2012
Gleim	Ray A.	SCE	6/13/2011	Yes		6/13/2012
Stonerock	Brent	SCE	6/13/2011	Yes		6/13/2012
Nicholas	Doug	SCE	6/13/2011	Yes		6/13/2012
Bharadwan	Amit	SCE	6/13/2011	Yes		6/13/2012
Reid	Mary	SCE	6/13/2011	Yes		6/13/2012

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Nichols	Daniel P.	TriCounty Drilling	6/13/2011	Yes		6/13/2012
Suffle	Enrique II	TriCounty Drilling	6/13/2011	Yes		6/13/2012
Agatonagh	Pete	BCC	6/20/2011	Yes		6/20/2012
Ritter	Jeffery	BCC	6/20/2011	Yes		6/20/2012
Herrera	Abel	Bechtel Corp	6/20/2011	Yes		6/20/2012
Harmon	Donald D.	Bechtel Corp	6/20/2011	Yes		6/20/2012
Biggers	Josh	Bechtel Corp	6/20/2011	Yes		6/20/2012
Ochoa	Hector	Bechtel Corp	6/20/2011	Yes		6/20/2012
Scalla	Nathan	Bechtel Corp	6/20/2011	Yes		6/20/2012
Lusby	Randy	Bechtel Corp	6/20/2011	Yes		6/20/2012
Cunningham	Chris	Bechtel Corp	6/20/2011	Yes		6/20/2012
Gibbs	Monte	Bechtel Corp	6/20/2011	Yes		6/20/2012
Frilot	Jeff	Bechtel Corp	6/20/2011	Yes		6/20/2012
Sikorski	David	Bechtel Corp	6/20/2011	Yes		6/20/2012
Alvarez	Carlos	Bechtel Corp	6/20/2011	Yes		6/20/2012
Cartwright	Steven	Bechtel Corp	6/20/2011	Yes		6/20/2012
Koich	Tim	Bechtel Corp	6/20/2011	Yes		6/20/2012
Henson	Judy K.	Bechtel Corp	6/20/2011	Yes		6/20/2012
Suchy	Michael	BrightSource Energy	6/20/2011	Yes		6/20/2012
Boyer	Don	Bvebed	6/20/2011	Yes		6/20/2012
Bailes	Brad	Element	6/20/2011	Yes		6/20/2012
Alsup	Joel	Element	6/20/2011	Yes		6/20/2012
Fronwerk	Jeff	Element	6/20/2011	Yes		6/20/2012
Hunt	George	Element	6/20/2011	Yes		6/20/2012
Opyrne	Matthew	Falco Cranes	6/20/2011	Yes		6/20/2012
Gomez Ramirez	Oscar	Finnco	6/20/2011	Yes		6/20/2012
Sandstedt	Jason	Finnco	6/20/2011	Yes		6/20/2012
Finnerty	Matt	Finnco	6/20/2011	Yes		6/20/2012
Woods	Jeff	Las Vegas Paving	6/20/2011	Yes		6/20/2012
Tiersall	Darrell	Las Vegas Paving	6/20/2011	Yes		6/20/2012
Marchello	Curtis	Las Vegas Paving	6/20/2011	Yes		6/20/2012
Huwitt	Tom	Las Vegas Paving	6/20/2011	Yes		6/20/2012
Dickson	Brett	NAU	6/20/2011	Yes		6/20/2012
Farnsworth	Matt	NAU	6/20/2011	Yes		6/20/2012
Mokhiber	Ron	United Rentals	6/20/2011	Yes		6/20/2012
Sweet	Randy	United Rentals	6/20/2011	Yes		6/20/2012
Surber	James	BCC	6/27/2011	Yes		6/27/2012
Shipman	Benny	BCC	6/27/2011	Yes		6/27/2012
Morrison	Marco	BCC	6/27/2011	Yes		6/27/2012
Marsh	Gordon	BCC	6/27/2011	Yes		6/27/2012
Steck	Doug	BCC	6/27/2011	Yes		6/27/2012
Marquez	Robert	BCC	6/27/2011	Yes		6/27/2012
Carr	Tydrick	BCC	6/27/2011	Yes		6/27/2012
Rudder	Travis	BCC	6/27/2011	Yes		6/27/2012
Carrillo	Luis	BCC	6/27/2011	Yes		6/27/2012
Gonzales	Rubby	BCC	6/27/2011	Yes		6/27/2012
Wilkins	Al	BCC	6/27/2011	Yes		6/27/2012
Brown	Thomas	BCC	6/27/2011	Yes		6/27/2012
Armendariz	Allen	BCC	6/27/2011	Yes		6/27/2012
Leathly	Rick	BCC	6/27/2011	Yes		6/27/2012
Gonzalez	Luther	BCC	6/27/2011	Yes		6/27/2012
Gavin	Jacob	BCC	6/27/2011	Yes		6/27/2012
Gust II	Alex	Bechtel Corp	6/27/2011	Yes		6/27/2012
Granados	Mark	Bechtel Corp	6/27/2011	Yes		6/27/2012
Rozema	Jay	Bechtel Corp	6/27/2011	Yes		6/27/2012

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Bohannan	Brian	Bechtel Corp	6/27/2011	Yes		6/27/2012
Rincon	Salvador	Bechtel Corp	6/27/2011	Yes		6/27/2012
Carruth	Karen	Bechtel Corp	6/27/2011	Yes		6/27/2012
Olofintila	Sanor	Bechtel Corp	6/27/2011	Yes		6/27/2012
Gibson	Jim	Bechtel Corp	6/27/2011	Yes		6/27/2012
Maxson	James	Bechtel Corp	6/27/2011	Yes		6/27/2012
Arguelles II	Raymond	Bechtel Corp	6/27/2011	Yes		6/27/2012
Bautista	Jaime	Bechtel Corp	6/27/2011	Yes		6/27/2012
Juarez	Michael	Bechtel Corp	6/27/2011	Yes		6/27/2012
Magana III	Alejandro	Bechtel Corp	6/27/2011	Yes		6/27/2012
Walkin	John	Bechtel Corp	6/27/2011	Yes		6/27/2012
Klenk	Adam	Bechtel Corp	6/27/2011	Yes		6/27/2012
Abbott	Jerry	Bechtel Corp	6/27/2011	Yes		6/27/2012
McBride	Scott	Bechtel Corp	6/27/2011	Yes		6/27/2012
Garcia	Jose L.	Bechtel Corp	6/27/2011	Yes		6/27/2012
De laPaz	Alex	Bechtel Corp	6/27/2011	Yes		6/27/2012
Real	Mike	Bechtel Corp	6/27/2011	Yes		6/27/2012
Rooney	Thomas	Bechtel Corp	6/27/2011	Yes		6/27/2012
Giddings	Travis	Bechtel Corp	6/27/2011	Yes		6/27/2012
Watts	Jeff	Bechtel Corp	6/27/2011	Yes		6/27/2012
Whiteside	Larry	Bechtel Corp	6/27/2011	Yes		6/27/2012
Dixon	Robert	Bechtel Corp	6/27/2011	Yes		6/27/2012
Hartlage	Tabitha	Bechtel Corp	6/27/2011	Yes		6/27/2012
Booker	Randal	Bechtel Corp	6/27/2011	Yes		6/27/2012
Martinez	Roman	Bechtel Corp	6/27/2011	Yes		6/27/2012
Kraack	Kristin	Finnco	6/27/2011	Yes		6/27/2012
Ramirez	Adam	Bechtel Corp	6/28/2011	Yes		6/28/2012
Forster	Carl	Bechtel Corp	6/28/2011	Yes		6/28/2012
Pena	Armando	Bechtel Corp	6/28/2011	Yes		6/28/2012
Kraack	Kris	Finnco	6/28/2011	Yes		6/28/2012
Boarman	Ryan K.	Kiva Biological	6/28/2011	Yes		6/28/2012
Hart	John	Power Constructors	6/28/2011	Yes		6/28/2012
Norwood	Benjamin	Power Constructors	6/28/2011	Yes		6/28/2012
Arefnia	Amir	Power Constructors	6/28/2011	Yes		6/28/2012
Hanna	William	Power Constructors	6/28/2011	Yes		6/28/2012
Nerison	John	Power Engineers	6/28/2011	Yes		6/28/2012
Mercer	Chris	Power Engineers	6/28/2011	Yes		6/28/2012
Strumm	Keith	SCE	6/28/2011	Yes		6/28/2012
Cunha	Tony	SCE	6/28/2011	Yes		6/28/2012
Wilson	Marques	SCE	6/28/2011	Yes		6/28/2012
McElfish	Michael	SCE	6/28/2011	Yes		6/28/2012
Green	Quintin	SCE	6/28/2011	Yes		6/28/2012
Caldwell	Edward	SCE	6/28/2011	Yes		6/28/2012
Vaughn	Harmon	SCE	6/28/2011	Yes		6/28/2012
Hara	Matthew	SCE	6/28/2011	Yes		6/28/2012
Jiminez	Jason	SCE	6/28/2011	Yes		6/28/2012
Dixit	Vidya	SCE	6/28/2011	Yes		6/28/2012
Miller	Jeff	SCE	6/28/2011	Yes		6/28/2012
Riehl	Kirk	SCE	6/28/2011	Yes		6/28/2012
Burnelis	Frank	Bechtel Corp	7/5/2011	Yes		7/5/2012
Hattery	Troy	Bechtel Corp	7/5/2011	Yes		7/5/2012
Marquez	Ralph	Bechtel Corp	7/5/2011	Yes		7/5/2012
Ware	Frederick	Bechtel Corp	7/5/2011	Yes		7/5/2012
Moreno	Salvador	Bechtel Corp	7/5/2011	Yes		7/5/2012
Cannon	Fred	Bechtel Corp	7/5/2011	Yes		7/5/2012

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Oden	Randy	Bechtel Corp	7/5/2011	Yes		7/5/2012
Bernardino	Rusty	Bechtel Corp	7/5/2011	Yes		7/5/2012
Arenson	Michael	Bechtel Corp	7/5/2011	Yes		7/5/2012
Martinez	Jaime	Bechtel Corp	7/5/2011	Yes		7/5/2012
Rubio	Abel	Bechtel Corp	7/5/2011	Yes		7/5/2012
Overton	Bryant K.	Bechtel Corp	7/5/2011	Yes		7/5/2012
Waialae	Conrad	CTS Inspection	7/5/2011	Yes		7/5/2012
Boelter	Ralt	Eisenmann	7/5/2011	Yes		7/5/2012
Walla	Greg	Elemental Energy	7/5/2011	Yes		7/5/2012
McKinney	Doyle	Elemental Energy	7/5/2011	Yes		7/5/2012
Soto	Carlos	Elemental Energy	7/5/2011	Yes		7/5/2012
Mexia	Rene	Elemental Energy	7/5/2011	Yes		7/5/2012
Osborn	Andy James	Elemental Energy	7/5/2011	Yes		7/5/2012
Fransioh	Paul	Redhorse (E & E)	7/5/2011	Yes		7/5/2012
Jones	Gary	Redhorse (E & E)	7/5/2011	Yes		7/5/2012
Faust	Ted	Sundance Biology	7/5/2011	Yes		7/5/2012
Harding	Kelly	Sundance Biology	7/5/2011	Yes		7/5/2012
Waggoner	Marcella	Sundance Biology	7/5/2011	Yes		7/5/2012
Currylow	Andrea	Sundance Biology	7/5/2011	Yes		7/5/2012
Ventura	Ivan	UNKNOWN	7/5/2011	Yes		7/5/2012
Temple	Gregory	Bechtel Corp	7/11/2011	Yes		7/11/2012
Bruhn	Sam	Bechtel Corp	7/11/2011	Yes		7/11/2012
Wing	Matt	Bechtel Corp	7/11/2011	Yes		7/11/2012
Varnado	David	Bechtel Corp	7/11/2011	Yes		7/11/2012
Jones	Cody	Elemental Energy	7/11/2011	Yes		7/11/2012
Burchfield	Dave	Bechtel Corp	7/11/2011	Yes		7/11/2012
Lee	Justin	Bechtel Corp	7/11/2011	Yes		7/11/2012
Avila	Richard	Bechtel Corp	7/11/2011	Yes		7/11/2012
Gruber	John	Bechtel Corp	7/11/2011	Yes		7/11/2012
Llewellyn	Robin	Sundance Biology	7/11/2011	Yes		7/11/2012
Sullivan	Dan	Elemental Energy	7/11/2011	Yes		7/11/2012
Talbot	Craig	Bechtel Corp	7/11/2011	Yes		7/11/2012
Voss	Robert	Bechtel Corp	7/11/2011	Yes		7/11/2012
Beaudoin	Dave	NRG	7/11/2011	Yes	4/30/2012	4/30/2013
Judy	Bill	Allstate Tank	7/11/2011	Yes		7/11/2012
Bates	Steven	Allstate Tank	7/11/2011	Yes		7/11/2012
Matheus	Devin	Allstate Tank	7/11/2011	Yes		7/11/2012
Martin	Jim	Allstate Tank	7/11/2011	Yes		7/11/2012
Lawe	Tim	Allstate Tank	7/11/2011	Yes		7/11/2012
Berry	David	Bechtel Corp	7/11/2011	Yes		7/11/2012
Zschieschang	Jorg	Eisenmann	7/11/2011	Yes		7/11/2012
Freadlin	Arkody	Sundance Biology	7/11/2011	Yes		7/11/2012
Lange	Paul	Bechtel Corp	7/11/2011	Yes		7/11/2012
Elbogen	Moshe	Automatica	7/11/2011	Yes		7/11/2012
Lazinsky	Trahi	Automatica	7/11/2011	Yes		7/11/2012
Sivenkov	Vadim	Automatica	7/11/2011	Yes		7/11/2012
Palmer	Joshua	Kleinfelder	7/11/2011	Yes		7/11/2012
Mickelson	Jeff	Bechtel Corp	7/11/2011	Yes		7/11/2012
Christensen	Per	Bechtel Corp	7/11/2011	Yes		7/11/2012
Phelps	Tony	BrightSource Energy	7/11/2011	Yes		7/11/2012
Bentley	Dannie	Bechtel Corp	7/11/2011	Yes		7/11/2012
Barr	Jimmy	Southwire	7/11/2011	Yes		7/11/2012
Roysdon	Jason	Southwire	7/11/2011	Yes		7/11/2012
Singh	Jyoti	Bechtel Corp	7/11/2011	Yes		7/11/2012
Horton	Curtis	NRG	7/11/2011	Yes		7/11/2012

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Graham	Brandon	Bechtel Corp	7/11/2011	Yes		7/11/2012
Gates	Barry	Bechtel Corp	7/18/2011	Yes		7/18/2012
Arredondo	Ubaldo	Bechtel Corp	7/18/2011	Yes		7/18/2012
Lopez	Rosario	Bechtel Corp	7/18/2011	Yes		7/18/2012
Cinco	Jesus	Bechtel Corp	7/18/2011	Yes		7/18/2012
Cohen	Melr	Automatica	7/18/2011	Yes		7/18/2012
Chavez	Corey	Bechtel Corp	7/18/2011	Yes		7/18/2012
Stringer	Dominic	Bechtel Corp	7/18/2011	Yes		7/18/2012
Olvera	Manuel	Bechtel Corp	7/18/2011	Yes		7/18/2012
Nelson	Mark	Harrington Hoists	7/18/2011	Yes		7/18/2012
Londo	Clarence	Bechtel Corp	7/18/2011	Yes		7/18/2012
Weaver	Mae	Bechtel Corp	7/18/2011	Yes		7/18/2012
Ju???	George	Bechtel Corp	7/18/2011	Yes		7/18/2012
Gwinn	Nate	Sundance Biology	7/18/2011	Yes		7/18/2012
Howell	Jon	CH2MHill	7/18/2011	Yes		7/18/2012
Fitzpatrick	Kevin	Las Vegas Paving	7/18/2011	Yes		7/18/2012
Allen	Farow	Bechtel Corp	7/18/2011	Yes		7/18/2012
Rowton	Dorian	Bechtel Corp	7/18/2011	Yes	10/6/2011	10/6/2012
Smith	Mike	Bechtel Corp	7/18/2011	Yes		7/18/2012
Galvan	Carlos	EMF Fire	7/18/2011	Yes		7/18/2012
Hayes	Gregory	EMF Fire	7/18/2011	Yes		7/18/2012
Inman	Charles	JM Carden	7/18/2011	Yes		7/18/2012
Pulliam	Brian	JM Carden	7/18/2011	Yes		7/18/2012
Minatsaghanian	Armen	JM Carden	7/18/2011	Yes		7/18/2012
Daniel	Richard	Bechtel Corp	7/18/2011	Yes		7/18/2012
Morrison	John	Bechtel Corp	7/18/2011	Yes		7/18/2012
Rodriguez	Abdon	Bechtel Corp	7/18/2011	Yes		7/18/2012
Leachman	Ronald	H & E Equipment	7/18/2011	Yes		7/18/2012
Traffe	John	Bechtel Corp	7/18/2011	Yes		7/18/2012
Davis	Marshal	Bechtel Corp	7/18/2011	Yes		7/18/2012
Simpson	Alvin	Bechtel Corp	7/18/2011	Yes		7/18/2012
Ricker	Charles	BrightSource Energy	7/18/2011	Yes		7/18/2012
Witt	Joshua	Bechtel Corp	7/18/2011	Yes		7/18/2012
Buchannan	Douglas	BrightSource Energy	7/18/2011	Yes		7/18/2012
Schimmels	Jason	Bechtel Corp	7/25/2011	Yes		7/25/2012
Surcek	Dustin	Bechtel Corp	7/25/2011	Yes		7/25/2012
Ward	Geoffrey	Bechtel Corp	7/25/2011	Yes		7/25/2012
Woods	Randal	Bechtel Corp	7/25/2011	Yes		7/25/2012
DeKruse	Robert	Bureau Veritas	7/25/2011	Yes		7/25/2012
Vosberg	Ricky	Stresstech	7/25/2011	Yes		7/25/2012
Ross	Shaun	Bechtel Corp	7/25/2011	Yes		7/25/2012
Witt	Steven	Bechtel Corp	7/25/2011	Yes		7/25/2012
Warden	Tim	Bechtel Corp	7/25/2011	Yes		7/25/2012
Culver	Chris	Neff Rental	7/25/2011	Yes		7/25/2012
Tucker	Justin	Neff Rental	7/25/2011	Yes		7/25/2012
Merrill	Dan	Riley Power	7/25/2011	Yes		7/25/2012
Kennedy	Michael	Haaker Equipment	7/25/2011	Yes		7/25/2012
Parra	Frank	Bechtel Corp	7/25/2011	Yes		7/25/2012
Vergara	Adan	Bechtel Corp	7/25/2011	Yes		7/25/2012
Symonds	Yosef	BrightSource Energy	7/25/2011	Yes		7/25/2012
Lemus	Humberto	Bechtel Corp	7/25/2011	Yes		7/25/2012
Esqueda	Steven	Bechtel Corp	7/25/2011	Yes		7/25/2012
Frantom	Doug	BrightSource Energy	7/25/2011	Yes		7/25/2012
Haythorn	James	Bechtel Corp	7/25/2011	Yes		7/25/2012
Seifert	Mark	Bechtel Corp	7/25/2011	Yes		7/25/2012

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Bartell	Joe	Bechtel Corp	7/25/2011	Yes		7/25/2012
McGinnis	Robert	Bechtel Corp	7/25/2011	Yes		7/25/2012
Harris	Thomas	Bechtel Corp	7/25/2011	Yes		7/25/2012
Elrod	Jimmy	Bechtel Corp	7/25/2011	Yes		7/25/2012
Davidson	Elijah	Sundance Biology	7/25/2011	Yes		7/25/2012
Chaple	Deborah	Bechtel Corp	7/25/2011	Yes		7/25/2012
Cramberg	Vetus	Bechtel Corp	7/25/2011	Yes		7/25/2012
Needham	Gary	PU&C Plumbing	7/25/2011	Yes		7/25/2012
Gibson	Randal	PU&C Plumbing	7/25/2011	Yes		7/25/2012
Hinkley	Chris	PU&C Plumbing	7/25/2011	Yes		7/25/2012
Gerke	Kris	PU&C Plumbing	7/25/2011	Yes		7/25/2012
Martin	Seth	Cashman Equipment	8/8/2011	Yes	2/9/2012	2/9/2013
Howell	Jay	Bechtel Corp	8/8/2011	Yes		8/8/2012
Pilkington	Justin	Bechtel Corp	8/8/2011	Yes		8/8/2012
Gocken	Chris	Bechtel Corp	8/8/2011	Yes		8/8/2012
Conners	Eric	Bechtel Corp	8/8/2011	Yes		8/8/2012
Anderson	David	Bechtel Corp	8/8/2011	Yes		8/8/2012
RJ	DePond	BrightSource Energy	8/8/2011	Yes		8/8/2012
Stewart	John	Bechtel Corp	8/8/2011	Yes		8/8/2012
Virgin	Gary	REB	8/8/2011	Yes		8/8/2012
Walker	Stan	REB	8/8/2011	Yes		8/8/2012
Velasco	Alfredo	Bechtel Corp	8/8/2011	Yes		8/8/2012
Velasco	Luis	Bechtel Corp	8/8/2011	Yes		8/8/2012
Andrews	Scott	Desert Specialty	8/8/2011	Yes		8/8/2012
Watson	Keith	Bechtel Corp	8/8/2011	Yes		8/8/2012
Evald	Toivo	Siemens	8/8/2011	Yes		8/8/2012
Daris	Jan	Desert Rigging	8/8/2011	Yes		8/8/2012
Dason-Deane	Rosemary	Bechtel Corp	8/8/2011	Yes		8/8/2012
Trost	Tim	Bechtel Corp	8/8/2011	Yes		8/8/2012
Anderson Jr.	Donald D.	Bechtel Corp	8/8/2011	Yes		8/8/2012
Marsh	Todd	Bechtel Corp	8/8/2011	Yes		8/8/2012
Oh	Brent	Bechtel Corp	8/8/2011	Yes		8/8/2012
Abdulrahm	Gregory	Bechtel Corp	8/8/2011	Yes		8/8/2012
Kinsey	Jim	Bechtel Corp	8/8/2011	Yes		8/8/2012
Martinez	John M.	Bechtel Corp	8/8/2011	Yes		8/8/2012
Hunwardsen	Chad L.	???	8/8/2011	Yes		8/8/2012
Haltman	Danny	PCS	8/8/2011	Yes		8/8/2012
Callewaert	Michael	CSC	8/8/2011	Yes		8/8/2012
Guerrero	Javier	Bechtel Corp	8/8/2011	Yes		8/8/2012
Taitano	Mark	Bechtel Corp	8/8/2011	Yes		8/8/2012
Allsman	Jason	Bechtel Corp	8/8/2011	Yes		8/8/2012
Mitchell	Stephen T.	Bechtel Corp	8/8/2011	Yes		8/8/2012
Jones	Erik	Bechtel Corp	8/8/2011	Yes		8/8/2012
Thompson	Keith	Bechtel Corp	8/8/2011	Yes		8/8/2012
Torres	Jose	Bechtel Corp	8/8/2011	Yes		8/8/2012
Garnica	David	Bechtel Corp	8/8/2011	Yes		8/8/2012
Alvarez	Andres	Bechtel Corp	8/8/2011	Yes		8/8/2012
Rauge	Mike	PCS	8/8/2011	Yes		8/8/2012
Urrutia Jr.	Eleuterio	Bechtel Corp	8/8/2011	Yes		8/8/2012
Ruiz	Edgar	Bechtel Corp	8/8/2011	Yes		8/8/2012
Peer	Mark	Bechtel Corp	8/8/2011	Yes		8/8/2012
Conners	Danny	Bechtel Corp	8/8/2011	Yes		8/8/2012
Ramirez	Ernesto	Bechtel Corp	8/8/2011	Yes		8/8/2012
Lusic	Rudy	Fullmer	8/8/2011	Yes		8/8/2012
Lystlund	George	Silver State	8/8/2011	Yes		8/8/2012

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Rivera	Justo	Bechtel Corp	8/8/2011	Yes		8/8/2012
Garcia	Christian	Bechtel Corp	8/8/2011	Yes		8/8/2012
Precialo	Julio	Bechtel Corp	8/8/2011	Yes		8/8/2012
Vergara	Jonathan	Bechtel Corp	8/8/2011	Yes		8/8/2012
Lugo	Humberto	Bechtel Corp	8/8/2011	Yes	10/6/2011	10/6/2012
Benavonte	Jesus	Bechtel Corp	8/8/2011	Yes		8/8/2012
Leon	Diony	Bechtel Corp	8/8/2011	Yes		8/8/2012
Burns	Bryan	Bechtel Corp	8/8/2011	Yes		8/8/2012
McCullough	Richard	Bechtel Corp	8/8/2011	Yes		8/8/2012
Prater	Kurt	Bechtel Corp	8/8/2011	Yes		8/8/2012
Brown	Charlie	Bechtel Corp	8/8/2011	Yes		8/8/2012
Herzog	Mike	PCS	8/8/2011	Yes		8/8/2012
Hall	Brian	Dielco Crane	8/8/2011	Yes		8/8/2012
Paul	Robert	Dielco Crane	8/8/2011	Yes		8/8/2012
Carney	Brian	Dielco Crane	8/8/2011	Yes		8/8/2012
Neal	Deon	Dielco Crane	8/8/2011	Yes		8/8/2012
Andrews	Rich	Dielco Crane	8/8/2011	Yes		8/8/2012
Koenig	Kurt	Bechtel Corp	8/15/2011	Yes		8/15/2012
Cureton	William	Bechtel Corp	8/15/2011	Yes		8/15/2012
Carillo Jr.	Tim	Bechtel Corp	8/15/2011	Yes		8/15/2012
Cardenas	Simon	Bechtel Corp	8/15/2011	Yes	10/6/2011	10/6/2012
Cisneros	Jose	Bechtel Corp	8/15/2011	Yes		8/15/2012
Pope	Curtis	Bechtel Corp	8/15/2011	Yes		8/15/2012
Torres	Jose	Torres Honey	8/15/2011	Yes		8/15/2012
Molina	Enrique	Bechtel Corp	8/15/2011	Yes		8/15/2012
Coronado	Alfredo	Bechtel Corp	8/15/2011	Yes		8/15/2012
Gaylord	Travon	Bechtel Corp	8/15/2011	Yes		8/15/2012
Munto	Jesus	Bechtel Corp	8/15/2011	Yes		8/15/2012
Brady	Travis	Bechtel Corp	8/15/2011	Yes		8/15/2012
Jasso	Ruben	Bechtel Corp	8/15/2011	Yes		8/15/2012
Stephenson	J. Gary	Bechtel Corp	8/15/2011	Yes		8/15/2012
Layland	William	Bechtel Corp	8/15/2011	Yes		8/15/2012
Arredondo	Jose	Bechtel Corp	8/15/2011	Yes		8/15/2012
Weiss	Michael	Bechtel Corp	8/15/2011	Yes		8/15/2012
Hansen	William	???	8/15/2011	Yes		8/15/2012
Castro	Benjamin	Securitas	8/15/2011	Yes		8/15/2012
Cowens	James	Bechtel Corp	8/15/2011	Yes		8/15/2012
LaPlante	Joseph	Bechtel Corp	8/15/2011	Yes		8/15/2012
Russell	Chadd	LUP	8/15/2011	Yes		8/15/2012
Armendariz	Brian	Bechtel Corp	8/15/2011	Yes		8/15/2012
Rybicha	Michael	Bechtel Corp	8/15/2011	Yes		8/15/2012
Hill	Matt	Bechtel Corp	8/15/2011	Yes		8/15/2012
Hill	Mark	Bechtel Corp	8/15/2011	Yes		8/15/2012
Mann	Aratle???	Bechtel Corp	8/15/2011	Yes		8/15/2012
Cervantez	Lalo	Bechtel Corp	8/15/2011	Yes		8/15/2012
Bernard	Gerald	Bechtel Corp	8/15/2011	Yes		8/15/2012
Haines	Jimmy	Bechtel Corp	8/15/2011	Yes		8/15/2012
Long	Rayanne	SCE	8/22/2011	Yes		8/22/2012
Dorman	Wendell	Talascend	8/22/2011	Yes		8/22/2012
Powell	Beverly	SCE	8/22/2011	Yes		8/22/2012
Lewis	Blaine	Silver State	8/22/2011	Yes		8/22/2012
Watson	Dale	Stanec	8/22/2011	Yes		8/22/2012
Pauley	Nathaniel	Elemental Energy	8/22/2011	Yes		8/22/2012
Terrell	Shonda	Bechtel Corp	8/22/2011	Yes		8/22/2012
Ditomasso	Michael	SCE	8/22/2011	Yes		8/22/2012

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Griego	Genevieve	SCE	8/22/2011	Yes		8/22/2012
Risla	Jan	Power Constructors	8/22/2011	Yes		8/22/2012
Gardenier	Matthew	Power Engineers	8/22/2011	Yes		8/22/2012
Holbrook	Scott	SCE	8/22/2011	Yes		8/22/2012
Rouab	Roy	SCE	8/22/2011	Yes		8/22/2012
Gutierrez	Ramiro Alex	SCE	8/22/2011	Yes		8/22/2012
Giron	Rod	SCE	8/22/2011	Yes		8/22/2012
Fernandez Smith	Liza	SCE	8/22/2011	Yes		8/22/2012
Schultz	Roger	SCE	8/22/2011	Yes		8/22/2012
Johnson	Wesley	Stantec	8/22/2011	Yes		8/22/2012
Romero	Osbaldo	SCE	8/22/2011	Yes		8/22/2012
Spansel	Katherine	SCE	8/22/2011	Yes		8/22/2012
Calero	Ramon	SCE	8/22/2011	Yes		8/22/2012
Elvestad	Greg	SCE	8/22/2011	Yes		8/22/2012
Chong	Jose	Olson Precast	8/22/2011	Yes		8/22/2012
Perez	Ricardo	Olson Precast	8/22/2011	Yes		8/22/2012
Arriaga	Cristian	Olson Precast	8/22/2011	Yes		8/22/2012
Corona	Gualberto	Olson Precast	8/22/2011	Yes		8/22/2012
Lopez	Jose Luis	Olson Precast	8/22/2011	Yes		8/22/2012
Cunningham	Lamar	SCE	8/22/2011	Yes		8/22/2012
Swatzel	David	SCE	8/22/2011	Yes		8/22/2012
Lewis	Ken	SCE	8/22/2011	Yes		8/22/2012
Robles	Thomas	LVP	8/23/2011	Yes		8/23/2012
Arano	Mark	Bechtel Corp	8/23/2011	Yes		8/23/2012
Baronowski	Gary	Bechtel Corp	8/23/2011	Yes		8/23/2012
Saenz	Oscar	Bechtel Corp	8/23/2011	Yes		8/23/2012
Morrison	Andy	Bechtel Corp	8/23/2011	Yes		8/23/2012
Ford	Bryan	Bechtel Corp	8/23/2011	Yes		8/23/2012
Dorman	Wendell	Talascend	8/23/2011	Yes		8/23/2012
Lefley	Phillip	Bechtel Corp	8/23/2011	Yes		8/23/2012
Pattillo	Brandon	Bechtel Corp	8/23/2011	Yes		8/23/2012
Erickson	Jeff	Bechtel Corp	8/23/2011	Yes		8/23/2012
Barrowman	Elaine	Bechtel Corp	8/23/2011	Yes		8/23/2012
Foki	Steven	Bechtel Corp	8/23/2011	Yes		8/23/2012
Glover	William	Bechtel Corp	8/23/2011	Yes		8/23/2012
Jiminez	Alfredo	Bechtel Corp	8/23/2011	Yes		8/23/2012
Burris	Xavier	Bechtel Corp	8/23/2011	Yes		8/23/2012
Raymond	Robert	Bechtel Corp	8/23/2011	Yes		8/23/2012
Starnes	Justin	Bechtel Corp	8/23/2011	Yes		8/23/2012
Moon	Billy	Bechtel Corp	8/23/2011	Yes		8/23/2012
Pochers	Ronald	Bechtel Corp	8/23/2011	Yes		8/23/2012
Wells	David	Bechtel Corp	8/23/2011	Yes		8/23/2012
Keller	Chad	Bechtel Corp	8/23/2011	Yes		8/23/2012
Rael	Hugo	Bechtel Corp	8/23/2011	Yes		8/23/2012
Olivas	Rudy	Bechtel Corp	8/23/2011	Yes		8/23/2012
Culver	Adam	Bechtel Corp	8/23/2011	Yes		8/23/2012
Frias	Armando	Bechtel Corp	8/23/2011	Yes		8/23/2012
Miller	Vernon	Bechtel Corp	8/23/2011	Yes		8/23/2012
Arizona	Nevy	Bechtel Corp	8/23/2011	Yes		8/23/2012
Van Sickle	Dwaine	Bechtel Corp	8/23/2011	Yes		8/23/2012
Saenz	Andrew	Bechtel Corp	8/29/2011	Yes		8/29/2012
Olivas	Miguel	Bechtel Corp	8/29/2011	Yes		8/29/2012
Gipson	Daniel	Bechtel Corp	8/29/2011	Yes		8/29/2012
Sokolovich	Edward	Klondyke	8/29/2011	Yes		8/29/2012
Johnson	Isaac	Bechtel Corp	8/29/2011	Yes		8/29/2012

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Kramer	Louis	Hilti	8/29/2011	Yes		8/29/2012
Miles	Jeffrey	Bechtel Corp	8/29/2011	Yes		8/29/2012
Greech Chin	Carolyn	Bechtel Corp	8/29/2011	Yes		8/29/2012
Shea	Kevin	BrightSource Energy	8/29/2011	Yes		8/29/2012
Thorn	Jarom	American Air Balance	8/29/2011	Yes		8/29/2012
Gist	Jeffrey	Custom ARC	8/29/2011	Yes		8/29/2012
Pickett	Chris	Bechtel Corp	8/29/2011	Yes		8/29/2012
Benner	Brandon	Las Vegas Paving	8/29/2011	Yes		8/29/2012
Munoz	William	Las Vegas Paving	8/29/2011	Yes		8/29/2012
Yetter	Gered	Fullmer	8/29/2011	Yes		8/29/2012
Anderson	Brad	Fullmer	8/29/2011	Yes		8/29/2012
Hall	Destry	CTS/Mistras	8/29/2011	Yes		8/29/2012
Doe	John	CTS/Mistras	8/29/2011	Yes		8/29/2012
Marquez	Lorenzo	CTS/Mistras	8/29/2011	Yes		8/29/2012
Fitch	John	CTS/Mistras	8/29/2011	Yes		8/29/2012
Morales	Francisco	Bechtel Corp	8/29/2011	Yes		8/29/2012
Dunbar	Dean	Bechtel Corp	8/29/2011	Yes		8/29/2012
Rose	Brian	Bechtel Corp	8/29/2011	Yes		8/29/2012
Pena	Luciano	SCI	8/29/2011	Yes		8/29/2012
Colon	Orlando	SCI	8/29/2011	Yes		8/29/2012
Patterson	Don	SCI	8/29/2011	Yes		8/29/2012
Dorado	Sigifredo	SCI	8/29/2011	Yes		8/29/2012
Medina	Benjamin	SCI	8/29/2011	Yes		8/29/2012
Raymundo	Ernesto	BCC	8/29/2011	Yes		8/29/2012
Velazquez	Guillermo	Bechtel Corp	8/29/2011	Yes		8/29/2012
Long	Thomas	Bechtel Corp	8/29/2011	Yes		8/29/2012
Salsman	Stanley	Bechtel Corp	8/29/2011	Yes		8/29/2012
Burnett	Derrel	Bechtel Corp	8/29/2011	Yes		8/29/2012
Yeager	Eric	Bechtel Corp	8/29/2011	Yes		8/29/2012
Ramirez	Thomas	Bechtel Corp	8/29/2011	Yes		8/29/2012
Maes	Rita	Sundance Biology	9/1/2011	Yes		9/1/2012
Constantine	Michael	Sundance Biology	9/1/2011	Yes		9/1/2012
Jones	Steven	Sundance Biology	9/1/2011	Yes		9/1/2012
Leinicke	Luke	Sundance Biology	9/1/2011	Yes		9/1/2012
Garvey	John	Sundance Biology	9/1/2011	Yes		9/1/2012
Nagle	Cassandra	Sundance Biology	9/1/2011	Yes		9/1/2012
Benson	Brooke	Sundance Biology	9/1/2011	Yes		9/1/2012
Barfield	Robert	Merli	9/1/2011	Yes		9/1/2012
Cantarero	Erlinda	Knight and Leavitt	9/1/2011	Yes		9/1/2012
Cogar	Crystal	Knight and Leavitt	9/1/2011	Yes		9/1/2012
Flores	Paul	CH2MHill	9/1/2011	Yes		9/1/2012
Rossi	Mitchell	Sundance Biology	9/1/2011	Yes		9/1/2012
Welch	Scott	Sundance Biology	9/1/2011	Yes		9/1/2012
Baccei	Josh	Sundance Biology	9/1/2011	Yes		9/1/2012
Wilvert	Greg	Sundance Biology	9/1/2011	Yes		9/1/2012
Bates	Greta	Sundance Biology	9/1/2011	Yes		9/1/2012
Andrews	Tyler	Sundance Biology	9/1/2011	Yes		9/1/2012
Frank	Eric	Sundance Biology	9/1/2011	Yes		9/1/2012
Lapre	Larry	BLM	9/1/2011	Yes		9/1/2012
Abouelezz	Hanem	BLM	9/1/2011	Yes		9/1/2012
Hogenauer	Robert	Phoenix Ecological	9/1/2011	Yes		9/1/2012
Singh	Onkar	Phoenix Ecological	9/1/2011	Yes		9/1/2012
Gorsira	Rick	CH2MHill	9/1/2011	Yes		9/1/2012
Torelli	Marie	Sundance Biology	9/1/2011	Yes		9/1/2012
Glatte	Hayden	Sundance Biology	9/1/2011	Yes		9/1/2012

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Orwig	Sig	Sundance Biology	9/1/2011	Yes		9/1/2012
Ochoa	Celestino	Neff Rental	9/1/2011	Yes		9/1/2012
Copeland	Shane	Bechtel Corp	9/6/2011	Yes		9/6/2012
Horn	Nathaniel	Bechtel Corp	9/6/2011	Yes		9/6/2012
Beaman	Shelly	Bechtel Corp	9/6/2011	Yes		9/6/2012
Thacker	Edward	Bechtel Corp	9/6/2011	Yes		9/6/2012
Montalvo	Wilfredo	Bechtel Corp	9/6/2011	Yes		9/6/2012
Herrera	Francisco	Bechtel Corp	9/6/2011	Yes		9/6/2012
Arthur	Thomas	Bechtel Corp	9/6/2011	Yes		9/6/2012
Paul	Thomas	Bechtel Corp	9/6/2011	Yes		9/6/2012
Curkovic	Jasenko	Eisenmann	9/6/2011	Yes		9/6/2012
Lueblee Jr	Robert	Bechtel Corp	9/6/2011	Yes		9/6/2012
Gutierrez	Luis	Bechtel Corp	9/6/2011	Yes		9/6/2012
Gonzalez	Alejandro	Bechtel Corp	9/6/2011	Yes		9/6/2012
Lalla	Nathaniel	Crown Fence	9/6/2011	Yes		9/6/2012
Jimenez	Nick	Bechtel Corp	9/6/2011	Yes		9/6/2012
Garner	Earl	Bechtel Corp	9/6/2011	Yes		9/6/2012
Holbrook	Matthew	Bechtel Corp	9/6/2011	Yes	12/22/2011	12/22/2012
Tapia	Jorge	Bechtel Corp	9/6/2011	Yes		9/6/2012
Melendez	Eduardo	Bechtel Corp	9/6/2011	Yes		9/6/2012
Stolpp	Ryan	Bechtel Corp	9/6/2011	Yes		9/6/2012
Cary	Joseph	Bechtel Corp	9/6/2011	Yes		9/6/2012
Jewett	Travis	Bechtel Corp	9/6/2011	Yes		9/6/2012
Crabtree	Shannon	CH2MHill	9/6/2011	Yes		9/6/2012
Dominguez	Elias	Bechtel Corp	9/6/2011	Yes		9/6/2012
Delgado	Eric	Bechtel Corp	9/6/2011	Yes		9/6/2012
Esparza	Gabriel	Bechtel Corp	9/6/2011	Yes		9/6/2012
Thomas	Richard	Bechtel Corp	9/6/2011	Yes		9/6/2012
Chapman	Lisa	Bechtel Corp	9/6/2011	Yes		9/6/2012
Betts	Richard	Bechtel Corp	9/6/2011	Yes		9/6/2012
Rosson	Charles	Bechtel Corp	9/6/2011	Yes		9/6/2012
Lachenmayer	Jospeh	SPX Cooling	9/6/2011	Yes		9/6/2012
Portillo	Michael	SPX Cooling	9/6/2011	Yes		9/6/2012
Prepchuk	Skip	CTS/Mistras	9/6/2011	Yes		9/6/2012
Harmer	Christopher	Bechtel Corp	9/6/2011	Yes		9/6/2012
Maher	Bill	IUOE Local 12	9/6/2011	Yes		9/6/2012
Jacresei	Juan	Amazon	9/6/2011	Yes		9/6/2012
DeLeon	Raul	Amazon	9/6/2011	Yes		9/6/2012
Reveres	Conrado	Amazon	9/6/2011	Yes		9/6/2012
Pluarez	Pedio	Amazon	9/6/2011	Yes		9/6/2012
Arellano	Marco	Amazon	9/6/2011	Yes		9/6/2012
Saavedra	Betahve	Amazon	9/6/2011	Yes		9/6/2012
Tait	Lyman	Bechtel Corp	9/12/2011	Yes		9/12/2012
McGovern	Mike	Sundance Biology	9/12/2011	Yes		9/12/2012
Furnish	Robert	Bechtel Corp	9/12/2011	Yes		9/12/2012
Elison	Eric	Ninyo and Moore	9/12/2011	Yes		9/12/2012
Kinley	Jim	Custom ARC	9/12/2011	Yes		9/12/2012
White	Cay	Custom ARC	9/12/2011	Yes		9/12/2012
Lacey	Tom	Bechtel Corp	9/12/2011	Yes		9/12/2012
Rodriguez	Raquel	Sundance Biology	9/12/2011	Yes		9/12/2012
Roffe	Gabrielle	Sundance Biology	9/12/2011	Yes		9/12/2012
Nelson	Scott	Sundance Biology	9/12/2011	Yes		9/12/2012
Gomez	Alfonzo	Las Vegas Paving	9/12/2011	Yes		9/12/2012
Garcia II	Elies	Las Vegas Paving	9/12/2011	Yes		9/12/2012
Erwin	Dennis	Erwin Services Corp	9/12/2011	Yes		9/12/2012

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Cruz	Bernard	Hilti	9/12/2011	Yes		9/12/2012
Harder	Miki	Sundance Biology	9/12/2011	Yes		9/12/2012
Toyoshiba	Jill	Sundance Biology	9/12/2011	Yes		9/12/2012
Knowles	Pam	Sundance Biology	9/12/2011	Yes		9/12/2012
Wardrip	Brenda	Bechtel Corp	9/12/2011	Yes		9/12/2012
Kosi	Joel	Hartford Steam Boiler	9/12/2011	Yes		9/12/2012
Rinaldo	Edward	Bechtel Corp	9/12/2011	Yes		9/12/2012
Mather	Stoney	Ninyo and Moore	9/12/2011	Yes		9/12/2012
Shields	Tim	Sundance Biology	9/12/2011	Yes		9/12/2012
Alexakos	Irene	Sundance Biology	9/12/2011	Yes		9/12/2012
Anderson	James	Elemental Energy	9/12/2011	Yes		9/12/2012
Lowenberg	Carlos	SCE	9/12/2011	Yes		9/12/2012
Lopez	Hugo	Cascade Drilling	9/12/2011	Yes		9/12/2012
Martinez	Victor	Cascade Drilling	9/12/2011	Yes		9/12/2012
Childers	Douglas	Bechtel Corp	9/12/2011	Yes		9/12/2012
Cooke	John	Bechtel Corp	9/12/2011	Yes		9/12/2012
Culpepper	Jonathan	WESCO	9/12/2011	Yes		9/12/2012
Manning	Kyle	WESCO	9/12/2011	Yes		9/12/2012
Mudge	Travis	WESCO	9/12/2011	Yes		9/12/2012
Hammontree	Amy	CH2MHill	9/12/2011	Yes		9/12/2012
Shaw	Rainer	Sundance Biology	9/12/2011	Yes		9/12/2012
Sherwood	Craig	Sundance Biology	9/12/2011	Yes		9/12/2012
Speights	Jennifer	Sundance Biology	9/12/2011	Yes		9/12/2012
Salonikios	Angeliki	Sundance Biology	9/12/2011	Yes		9/12/2012
Bowan	Ross	Ninyo and Moore	9/12/2011	Yes		9/12/2012
Kollenbroich	Tyler	Sundance Biology	9/12/2011	Yes		9/12/2012
Salonikios	Rosaleen	Sundance Biology	9/12/2011	Yes		9/12/2012
Holmes	Iris	Sundance Biology	9/12/2011	Yes		9/12/2012
Garcia	Martin	Mistras Group	9/12/2011	Yes		9/12/2012
McDaniel	Chris	Phoenix Ecological	9/12/2011	Yes		9/12/2012
Cooke	Adam	Erwin Services Corp	9/12/2011	Yes		9/12/2012
Mueller	Cathy	Sundance Biology	9/12/2011	Yes		9/12/2012
Brickell	Hays	Kleinfelder	9/12/2011	Yes		9/12/2012
Templo	Russel	Kleinfelder	9/12/2011	Yes		9/12/2012
Finkbeiner	Sarah	Sundance Biology	9/12/2011	Yes		9/12/2012
Hupp	Lyndsay	Sundance Biology	9/12/2011	Yes		9/12/2012
Hills	James	Erwin Services Corp	9/12/2011	Yes		9/12/2012
Trubey	Jason	BrightSource Energy	9/12/2011	Yes		9/12/2012
Drake	Brian	Phoenix Ecological	9/12/2011	Yes		9/12/2012
Huger	Chris	Erwin Services Corp	9/12/2011	Yes		9/12/2012
Dagner	Corey	Bechtel Corp	9/19/2011	Yes		9/19/2012
Warren	Joseph	Bechtel Corp	9/19/2011	Yes		9/19/2012
West	Harry	Bechtel Corp	9/19/2011	Yes		9/19/2012
Shulnak	Michael	Bechtel Corp	9/19/2011	Yes		9/19/2012
Savage	Marcus	Bechtel Corp	9/19/2011	Yes		9/19/2012
Harris	Joshua	Bechtel Corp	9/19/2011	Yes		9/19/2012
Delgado	Louie	Bechtel Corp	9/19/2011	Yes		9/19/2012
Sauer	Jeff	Bechtel Corp	9/19/2011	Yes		9/19/2012
Fehlman	David	Fullmer	9/19/2011	Yes		9/19/2012
Cabrera	Michael	Bechtel Corp	9/19/2011	Yes		9/19/2012
Esau	Samiuela	Bechtel Corp	9/19/2011	Yes		9/19/2012
Brown	Christopher	Bechtel Corp	9/19/2011	Yes		9/19/2012
Foxe	Jason	Bechtel Corp	9/19/2011	Yes		9/19/2012
Denyon	Diony	Bechtel Corp	9/19/2011	Yes		9/19/2012
Bales	Christopher	Bechtel Corp	9/19/2011	Yes		9/19/2012

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Richards	Robert	Bechtel Corp	9/19/2011	Yes		9/19/2012
Cota	Cladio	Bechtel Corp	9/19/2011	Yes		9/19/2012
Ocampo	Angelito	Bechtel Corp	9/19/2011	Yes		9/19/2012
Boles	Donald	Bechtel Corp	9/19/2011	Yes		9/19/2012
Rosher	Mark	Bechtel Corp	9/19/2011	Yes		9/19/2012
Maldonado	Angel	Western Pacific	9/19/2011	Yes		9/19/2012
Tripodo	Geno	Bechtel Corp	9/19/2011	Yes		9/19/2012
Parkovich	Pete	Bechtel Corp	9/19/2011	Yes		9/19/2012
Ozimek	Stanislaw	Eisenmann	9/19/2011	Yes		9/19/2012
DeKruse	Edward	Bureau Veritas	9/19/2011	Yes		9/19/2012
Jolley	Erin	NRG	9/19/2011	Yes		9/19/2012
Peaden	Mark	Sundance Biology	9/19/2011	Yes		9/19/2012
Drake	Elizabeth	Sundance Biology	9/19/2011	Yes		9/19/2012
Trujillo	Juan	Bechtel Corp	9/19/2011	Yes		9/19/2012
Young	Nick	Bechtel Corp	9/19/2011	Yes		9/19/2012
Gossett	Randy	Bechtel Corp	9/19/2011	Yes		9/19/2012
Little	Michael	Bechtel Corp	9/19/2011	Yes		9/19/2012
Rivera	Terry	Bechtel Corp	9/19/2011	Yes		9/19/2012
Contreras	George	Bechtel Corp	9/19/2011	Yes		9/19/2012
Bound	Slade	Bechtel Corp	9/19/2011	Yes		9/19/2012
Zobrist	Corey	Bechtel Corp	9/19/2011	Yes		9/19/2012
Salazar	Joseph	Bechtel Corp	9/19/2011	Yes		9/19/2012
Hall	Sandra	Bechtel Corp	9/19/2011	Yes		9/19/2012
Hardegree	Bruce	Bechtel Corp	9/19/2011	Yes		9/19/2012
Lelvas Jr	Frank	Bechtel Corp	9/19/2011	Yes		9/19/2012
Larsen Jr	Dave	Bechtel Corp	9/19/2011	Yes		9/19/2012
Lyons	Rick	Bechtel Corp	9/19/2011	Yes		9/19/2012
Oyetury	Quadri	Bechtel Corp	9/19/2011	Yes		9/19/2012
Journell	Joseph	Bechtel Corp	9/19/2011	Yes		9/19/2012
Gonzales	Roy	Bechtel Corp	9/19/2011	Yes		9/19/2012
Zavala	Josue	Bechtel Corp	9/19/2011	Yes		9/19/2012
Foster	William	Bechtel Corp	9/19/2011	Yes		9/19/2012
Wolff	Natalie	Sundance Biology	9/19/2011	Yes		9/19/2012
Schouten	Patrick	Bechtel Corp	9/19/2011	Yes		9/19/2012
Dixon	Jarrod	Las Vegas Paving	9/19/2011	Yes		9/19/2012
Parangaw	Hermillo	Las Vegas Paving	9/19/2011	Yes		9/19/2012
Lofts	Mike	Rigging Int	9/26/2011	Yes		9/26/2012
Walker	Jerry	Bechtel Corp	9/26/2011	Yes		9/26/2012
Richarte	Kimberly	CTS/Mistras	9/26/2011	Yes		9/26/2012
Cassel	Richard	CH2MHill	9/26/2011	Yes		9/26/2012
Ware	Matthew	Bechtel Corp	9/26/2011	Yes		9/26/2012
Meehan	David	Bechtel Corp	9/26/2011	Yes		9/26/2012
Travis	Robert	Las Vegas Paving	9/26/2011	Yes		9/26/2012
Tyson	Mark	Bechtel Corp	9/26/2011	Yes		9/26/2012
Selby	Don	Bechtel Corp	9/26/2011	Yes		9/26/2012
Hernandez	Ben	Bechtel Corp	9/26/2011	Yes		9/26/2012
Bird	Justin	Bechtel Corp	9/26/2011	Yes		9/26/2012
Rivas	Zachary	Bechtel Corp	9/26/2011	Yes		9/26/2012
Granados	Steve	Bechtel Corp	9/26/2011	Yes		9/26/2012
Dallas	Dave	Bechtel Corp	9/26/2011	Yes		9/26/2012
Williams	Phil	Bechtel Corp	9/26/2011	Yes		9/26/2012
Rodriguez	Arthur	Bechtel Corp	9/26/2011	Yes		9/26/2012
Tryon	Randy	Bechtel Corp	9/26/2011	Yes		9/26/2012
Castellon	Omar	Bechtel Corp	9/26/2011	Yes		9/26/2012
Hefty	Scott	Vegas Electric	9/26/2011	Yes		9/26/2012

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Nelson	Guy	Bechtel Corp	9/26/2011	Yes		9/26/2012
Steckler	Steven	Bechtel Corp	9/26/2011	Yes		9/26/2012
Burgess	Trevor	Bechtel Corp	9/26/2011	Yes		9/26/2012
Horton	Robert	Bechtel Corp	9/26/2011	Yes		9/26/2012
Diaz	Jose	Bechtel Corp	9/26/2011	Yes		9/26/2012
Harris	Joshua	Bechtel Corp	9/26/2011	Yes		9/26/2012
Wald	Marty	Bechtel Corp	9/26/2011	Yes		9/26/2012
Veana	Jose	Bechtel Corp	9/26/2011	Yes		9/26/2012
Weber	John	Bechtel Corp	9/26/2011	Yes		9/26/2012
Ruby	Mike	Bechtel Corp	9/26/2011	Yes		9/26/2012
Knisely	Kory	Bechtel Corp	9/26/2011	Yes		9/26/2012
Stephens	Matt	Bechtel Corp	9/26/2011	Yes		9/26/2012
Moon	Bill	Bechtel Corp	9/26/2011	Yes		9/26/2012
House Jr.	Frank	Bechtel Corp	10/3/2011	Yes		10/3/2012
Mandavia	Mukesh	BSCM	10/3/2011	Yes		10/3/2012
Wiener	Tammy	Bechtel Corp	10/3/2011	Yes		10/3/2012
Fraijo	Arthur	Bechtel Corp	10/3/2011	Yes		10/3/2012
Lacroix	Mark	Bechtel Corp	10/3/2011	Yes		10/3/2012
Starkey	Andy	Bechtel Corp	10/3/2011	Yes		10/3/2012
Truseque	Luciano	Bechtel Corp	10/3/2011	Yes		10/3/2012
Robles	Dominick	Bechtel Corp	10/3/2011	Yes		10/3/2012
Sigue	Gregory	Bechtel Corp	10/3/2011	Yes		10/3/2012
Kloetzer	Joel	Bechtel Corp	10/3/2011	Yes		10/3/2012
Dieleman	Robert	Bechtel Corp	10/3/2011	Yes		10/3/2012
Chaleunrath	Peter	Bechtel Corp	10/3/2011	Yes		10/3/2012
Johnson	Les	Bechtel Corp	10/3/2011	Yes		10/3/2012
Welch	Rodger	Bechtel Corp	10/3/2011	Yes		10/3/2012
Douglas	Tim	CTS/Mistras	10/3/2011	Yes		10/3/2012
Holian	Jill	Bechtel Corp	10/3/2011	Yes		10/3/2012
Wright	Mike	Bechtel Corp	10/3/2011	Yes		10/3/2012
Martineru	Dean	Bechtel Corp	10/3/2011	Yes		10/3/2012
Phillips	Charles	Dielco Crane	10/3/2011	Yes		10/3/2012
Rodriguez	Jimmy	Bechtel Corp	10/3/2011	Yes		10/3/2012
McNiel	Mike	Bechtel Corp	10/3/2011	Yes		10/3/2012
Ashby	Chad	Cashman Equipment	10/3/2011	Yes		10/3/2012
Cottam	Michael	Cashman Equipment	10/3/2011	Yes		10/3/2012
Baxter	Jim	Bechtel Corp	10/3/2011	Yes		10/3/2012
Plummer	Douglas	Bechtel Corp	10/3/2011	Yes		10/3/2012
Strader	Brian	Bechtel Corp	10/3/2011	Yes		10/3/2012
Morales	Nelson	Rigging Int	10/3/2011	Yes		10/3/2012
Pilkington	Clinton	Bechtel Corp	10/3/2011	Yes		10/3/2012
Rangel	Alfredo	Rigging Int	10/3/2011	Yes		10/3/2012
Jones	Eric	Bechtel Corp	10/3/2011	Yes		10/3/2012
Brown III	Nathan	Bechtel Corp	10/3/2011	Yes		10/3/2012
Bray	Aaron	Rigging Int	10/3/2011	Yes		10/3/2012
Lopez	Juan Carlos	Rigging Int	10/3/2011	Yes		10/3/2012
Lopez	Santos	Bechtel Corp	10/3/2011	Yes		10/3/2012
Smith	James	NRG	10/3/2011	Yes		10/3/2012
Bleck	Robert	Dielco Crane	10/3/2011	Yes		10/3/2012
Criddle	Scott	Dielco Crane	10/3/2011	Yes		10/3/2012
Grant	Jay	Dielco Crane	10/3/2011	Yes		10/3/2012
Miller	Scott	Bechtel Corp	10/3/2011	Yes		10/3/2012
Godwin II	Lucky	Bechtel Corp	10/10/2011	Yes		10/10/2012
Alvarado	Rudy	Bechtel Corp	10/10/2011	Yes		10/10/2012
Shefts	Jason	Bechtel Corp	10/10/2011	Yes		10/10/2012

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Carrion	Ken	Rigging Int	10/10/2011	Yes		10/10/2012
Scott	Ron	Bechtel Corp	10/10/2011	Yes		10/10/2012
Klugman	Nathan	BSII	10/10/2011	Yes		10/10/2012
Jenkins	Dwight	Bechtel Corp	10/10/2011	Yes		10/10/2012
Fahim	Mike	Bechtel Corp	10/10/2011	Yes		10/10/2012
Holland	James	Bechtel Corp	10/10/2011	Yes		10/10/2012
McCard	Victor	Bechtel Corp	10/10/2011	Yes		10/10/2012
Villarreal	Heindall	Bechtel Corp	10/10/2011	Yes		10/10/2012
Villarreal	Cesar	Bechtel Corp	10/10/2011	Yes		10/10/2012
Mejia	Enrique	Bechtel Corp	10/10/2011	Yes		10/10/2012
Rodriguez	Vidal	Bechtel Corp	10/10/2011	Yes		10/10/2012
Ramirez	Abraham	Bechtel Corp	10/10/2011	Yes		10/10/2012
Hastie	Aaron	Bechtel Corp	10/10/2011	Yes		10/10/2012
Fidrick	Steve	Bechtel Corp	10/10/2011	Yes		10/10/2012
Conley	Jimmy	Las Vegas Paving	10/10/2011	Yes		10/10/2012
Leight	Donna	Bechtel Corp	10/10/2011	Yes		10/10/2012
Jamieson	Iain	Bechtel Corp	10/10/2011	Yes		10/10/2012
Barfield	Dan	Bechtel Corp	10/10/2011	Yes		10/10/2012
Cristian	Stancin	BrightSource Energy	10/10/2011	Yes		10/10/2012
Burnaman	Dennis	Bechtel Corp	10/10/2011	Yes		10/10/2012
Lizares	Ben	Bechtel Corp	10/10/2011	Yes		10/10/2012
Perez	Noe	Bechtel Corp	10/10/2011	Yes		10/10/2012
Palumbo	Tony	Bechtel Corp	10/10/2011	Yes		10/10/2012
Fitz	Robert	Bechtel Corp	10/10/2011	Yes		10/10/2012
May	Nino	Bechtel Corp	10/10/2011	Yes		10/10/2012
Rock	Jody	Bechtel Corp	10/10/2011	Yes		10/10/2012
Kurt	Crowly	Bechtel Corp	10/10/2011	Yes		10/10/2012
Blein	Gary	Bechtel Corp	10/10/2011	Yes		10/10/2012
Tschudy	Robert	Bechtel Corp	10/10/2011	Yes		10/10/2012
Reyes	Enrique	Bechtel Corp	10/10/2011	Yes		10/10/2012
Blanco	Jesus	Bechtel Corp	10/10/2011	Yes		10/10/2012
Moon	David	Bechtel Corp	10/10/2011	Yes		10/10/2012
Tharp	Dan	Pre-fab Builders	10/10/2011	Yes		10/10/2012
Gill	Jack	Pre-fab Builders	10/10/2011	Yes		10/10/2012
Gonzalez	Jovanni	Bechtel Corp	10/10/2011	Yes		10/10/2012
Richards	George	Bechtel Corp	10/17/2011	Yes		10/17/2012
Rivas	Robert	Bechtel Corp	10/17/2011	Yes		10/17/2012
Castro	Richard	Bechtel Corp	10/17/2011	Yes		10/17/2012
Landin	Norberto	Panelized Structures	10/17/2011	Yes		10/17/2012
Tucari	Jesus	Panelized Structures	10/17/2011	Yes		10/17/2012
Oropeza	Rene	Bechtel Corp	10/17/2011	Yes		10/17/2012
Vargas	Amauri	Fullmer	10/17/2011	Yes		10/17/2012
Gomez	Ramon	Bechtel Corp	10/17/2011	Yes		10/17/2012
Contreras	Marco	Bechtel Corp	10/17/2011	Yes		10/17/2012
Leoni	Antonio	Bechtel Corp	10/17/2011	Yes		10/17/2012
Herrera	Gustavo	Bechtel Corp	10/17/2011	Yes		10/17/2012
Yaacoboff	Avishai	BrightSource Energy	10/17/2011	Yes		10/17/2012
Sadowsky	Ofri	BrightSource Energy	10/17/2011	Yes		10/17/2012
Torgrimson	Liz	Power Constructors	10/17/2011	Yes		10/17/2012
Pratt	James	Power Engineers	10/17/2011	Yes		10/17/2012
Paul	Joe	Bechtel Corp	10/17/2011	Yes		10/17/2012
Jiminez	Luis	Bechtel Corp	10/17/2011	Yes		10/17/2012
Newton	Fred	Innovanet	10/17/2011	Yes		10/17/2012
Cordova	Richard	Bechtel Corp	10/17/2011	Yes		10/17/2012
Oropeza	Eliseo	Bechtel Corp	10/17/2011	Yes		10/17/2012

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Perras	Brett	Bechtel Corp	10/17/2011	Yes		10/17/2012
Gallo	Jose	Bechtel Corp	10/17/2011	Yes		10/17/2012
Flores	Roy	Bechtel Corp	10/17/2011	Yes		10/17/2012
Whitworth	Dennis	Panelized Structures	10/17/2011	Yes		10/17/2012
Cain	Allen	Panelized Structures	10/17/2011	Yes		10/17/2012
Galvan	Tony	Panelized Structures	10/17/2011	Yes		10/17/2012
Bass	Doug	Bechtel Corp	10/17/2011	Yes		10/17/2012
Wright	Kevin	Bechtel Corp	10/17/2011	Yes		10/17/2012
Greenwood	Kidogo	Bechtel Corp	10/17/2011	Yes		10/17/2012
Juarez	Ernesto	Fanco	10/17/2011	Yes		10/17/2012
Venezuela	Lorenzo	Bechtel Corp	10/17/2011	Yes		10/17/2012
Groulos	Christopher	BrightSource Energy	10/17/2011	Yes		10/17/2012
Parker	Keith	Bechtel Corp	10/17/2011	Yes		10/17/2012
Smith	Gavin	Bechtel Corp	10/17/2011	Yes		10/17/2012
Loera	Arnulfo	Bechtel Corp	10/17/2011	Yes		10/17/2012
Robledo	Richard	Bechtel Corp	10/17/2011	Yes		10/17/2012
Neill	Jack	SCE	10/17/2011	Yes		10/17/2012
Bello	Louie	R I	10/19/2011	Yes		10/19/2012
Benefiel	Mike	Dielco Crane	10/19/2011	Yes		10/19/2012
Trodahl	Scott	Dielco Crane	10/19/2011	Yes		10/19/2012
Baca	Daniel	Dielco Crane	10/19/2011	Yes		10/19/2012
Hansen	Mark	Bechtel Corp	10/24/2011	Yes		10/24/2012
Brieva	Sabel	Bechtel Corp	10/24/2011	Yes		10/24/2012
Gulmatico	Ulysses	Bechtel Corp	10/24/2011	Yes		10/24/2012
Holbrook	Dan	Bechtel Corp	10/24/2011	Yes		10/24/2012
Sieverding	Jason	Bechtel Corp	10/24/2011	Yes		10/24/2012
Mowdy	Cody	Bechtel Corp	10/24/2011	Yes		10/24/2012
Rivas Jr.	Sergio	Bechtel Corp	10/24/2011	Yes		10/24/2012
Livingston	Ryan	Bechtel Corp	10/24/2011	Yes		10/24/2012
Simpson	Jim	Bechtel Corp	10/24/2011	Yes		10/24/2012
McKennan	Dean	Bechtel Corp	10/24/2011	Yes		10/24/2012
Corona	Guillermo	Bechtel Corp	10/24/2011	Yes		10/24/2012
Houston	Arlester	Bechtel Corp	10/24/2011	Yes		10/24/2012
Wright	Ronald	Bechtel Corp	10/24/2011	Yes		10/24/2012
Hynes	Jim	Bechtel Corp	10/24/2011	Yes		10/24/2012
Flaherty	John	Bechtel Corp	10/24/2011	Yes		10/24/2012
Kusks	Mark	Bechtel Corp	10/24/2011	Yes		10/24/2012
Reno	Norman	Bechtel Corp	10/24/2011	Yes		10/24/2012
Campbell	Robert	Bechtel Corp	10/24/2011	Yes		10/24/2012
Rodosh	Michael	Las Vegas Paving	10/24/2011	Yes		10/24/2012
Lopez	Joshua	Bechtel Corp	10/24/2011	Yes		10/24/2012
Gocken	Bradley	Bechtel Corp	10/24/2011	Yes		10/24/2012
Varney	Robert	Fullmer	10/24/2011	Yes		10/24/2012
Sharyer	Greg	Fullmer	10/24/2011	Yes		10/24/2012
Mendenhall	Greg	Fullmer	10/24/2011	Yes		10/24/2012
Tharp	Todd	Fullmer	10/24/2011	Yes		10/24/2012
Hollenbeck	Justin	Bechtel Corp	10/24/2011	Yes		10/24/2012
Pype	Thomas	Bechtel Corp	10/24/2011	Yes		10/24/2012
Paul	Robert	Bechtel Corp	10/24/2011	Yes		10/24/2012
Boefjer	Dustin	Bechtel Corp	10/24/2011	Yes		10/24/2012
Ceballos	Walter	Hampton Tedder	10/24/2011	Yes		10/24/2012
Lopez	Manuel	Bechtel Corp	10/24/2011	Yes		10/24/2012
Allen	Rett	Bechtel Corp	10/24/2011	Yes		10/24/2012
Donnell	John	Riley Power	10/24/2011	Yes		10/24/2012
Chamawi	Avi	BSII	10/24/2011	Yes		10/24/2012

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Watson	John	Bechtel Corp	10/24/2011	Yes		10/24/2012
LeBarron	Russel	Bechtel Corp	10/24/2011	Yes		10/24/2012
Duffy	Raymond	Bechtel Corp	10/24/2011	Yes		10/24/2012
Kinnard Sr.	Justin	Bechtel Corp	10/24/2011	Yes		10/24/2012
Shea	Ken	Bechtel Corp	10/24/2011	Yes		10/24/2012
?	Mitchell	Bechtel Corp	10/31/2011	Yes		10/31/2012
Moore	Terry	Bechtel Corp	10/31/2011	Yes		10/31/2012
Lammars	Kenneth	Bechtel Corp	10/31/2011	Yes		10/31/2012
Rodriguez	Rudy	Fullmer	10/31/2011	Yes		10/31/2012
Tynee	Jerome	Bechtel Corp	10/31/2011	Yes		10/31/2012
Summers	Zebalin	Bechtel Corp	10/31/2011	Yes		10/31/2012
Espinosa	Miguel	Bechtel Corp	10/31/2011	Yes		10/31/2012
Castillo	Ofilio	Bechtel Corp	10/31/2011	Yes		10/31/2012
Ruesch	Mike	Bechtel Corp	10/31/2011	Yes		10/31/2012
Wehls	David	Bechtel Corp	10/31/2011	Yes		10/31/2012
Collazo	Mario	SCI	10/31/2011	Yes		10/31/2012
Lozada	Enrique	SCI	10/31/2011	Yes		10/31/2012
Moreno	Jesus	Bechtel Corp	10/31/2011	Yes		10/31/2012
Garcia	David	Bechtel Corp	10/31/2011	Yes		10/31/2012
Ilia	Barahouski	BSII	10/31/2011	Yes		10/31/2012
Bacon	Tyler	Allstate Tank	10/31/2011	Yes		10/31/2012
Koteras	Richard	Bechtel Corp	10/31/2011	Yes		10/31/2012
Dodd	Danny	Bechtel Corp	10/31/2011	Yes		10/31/2012
Howard	William	Bechtel Corp	10/31/2011	Yes		10/31/2012
Berry	Michael	Bechtel Corp	10/31/2011	Yes		10/31/2012
West	Tim	Bechtel Corp	10/31/2011	Yes		10/31/2012
Halas	Sean	Bechtel Corp	10/31/2011	Yes		10/31/2012
Saksa	Joseph	Bechtel Corp	10/31/2011	Yes		10/31/2012
Steele	Marcus	Bechtel Corp	10/31/2011	Yes		10/31/2012
Buffington	Blaine	Bechtel Corp	10/31/2011	Yes		10/31/2012
Moore	Fred	Bechtel Corp	10/31/2011	Yes		10/31/2012
Gonzalez	Elliott	Western Pacific	10/31/2011	Yes		10/31/2012
De Paz	Carlos	Bechtel Corp	10/31/2011	Yes		10/31/2012
Benge	Tony	Bechtel Corp	10/31/2011	Yes		10/31/2012
Daniels	Robert	Babcock Power	10/31/2011	Yes		10/31/2012
Gonzalez	Augustine	Bechtel Corp	10/31/2011	Yes		10/31/2012
McManus	Steve	Bechtel Corp	10/31/2011	Yes		10/31/2012
Alcantera	Enrique	Bechtel Corp	10/31/2011	Yes		10/31/2012
Monks	Gerald	Sundance Biology	11/3/2011	Yes		11/3/2012
Svrcek	Stephanie		11/7/2011	Yes		11/7/2012
Sho	Tivi	Bechtel Corp	11/7/2011	Yes		11/7/2012
Scott	Jeffrey	Bechtel Corp	11/7/2011	Yes		11/7/2012
Pophan	Tim	Bechtel Corp	11/7/2011	Yes		11/7/2012
Faulhaber	Ken	Bechtel Corp	11/7/2011	Yes		11/7/2012
Jackson	James D.	Bechtel Corp	11/7/2011	Yes		11/7/2012
Aguilar	Eleazar	Bechtel Corp	11/7/2011	Yes		11/7/2012
Crook	Richard	Bechtel Corp	11/7/2011	Yes		11/7/2012
Landis	Joseph	Bechtel Corp	11/7/2011	Yes		11/7/2012
Olivas	Michael	Bechtel Corp	11/7/2011	Yes		11/7/2012
Gandara	Jerry	Bechtel Corp	11/7/2011	Yes		11/7/2012
Fitzpatrick	Gordon	Bechtel Corp	11/7/2011	Yes		11/7/2012
Mendoza	Paul B.	Bechtel Corp	11/7/2011	Yes		11/7/2012
Peters	Ray	Bechtel Corp	11/7/2011	Yes		11/7/2012
Kirkonnell	Daniel	Bechtel Corp	11/7/2011	Yes		11/7/2012
Pochop	Joseph	Bechtel Corp	11/7/2011	Yes		11/7/2012

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Strand	Thomas	Finnco	11/7/2011	Yes		11/7/2012
Nichols	Lynnette M.	Superior Wall Systems	11/7/2011	Yes		11/7/2012
Shields	David	Bechtel Corp	11/7/2011	Yes		11/7/2012
Reed	David D.	Bechtel Corp	11/7/2011	Yes		11/7/2012
Baca	James	Bechtel Corp	11/7/2011	Yes		11/7/2012
Warren	Bud	Bechtel Corp	11/7/2011	Yes		11/7/2012
Pozos	Tomas	Starlite	11/7/2011	Yes		11/7/2012
McCormick	Terry D.	Bechtel Corp	11/7/2011	Yes		11/7/2012
Russell	Lee	Bechtel Corp	11/7/2011	Yes		11/7/2012
Nyie	Eric	Bechtel Corp	11/7/2011	Yes		11/7/2012
Flores	Richard	Bechtel Corp	11/7/2011	Yes		11/7/2012
Elliott	Fred	Bechtel Corp	11/7/2011	Yes		11/7/2012
Begah	Jefferson	Custom Arc	11/7/2011	Yes		11/7/2012
Maisel	Marc	Bechtel Corp	11/7/2011	Yes		11/7/2012
Zamera	Zenen	Bechtel Corp	11/7/2011	Yes		11/7/2012
Maher	Michael L.	Bechtel Corp	11/7/2011	Yes		11/7/2012
Reese	Richard C.	Bechtel Corp	11/7/2011	Yes		11/7/2012
Morrill	Steven	Bechtel Corp	11/7/2011	Yes		11/7/2012
Quinn	Kevin	Bechtel Corp	11/7/2011	Yes		11/7/2012
Brisky	Katherine	Burns & McDonnell	11/7/2011	Yes		11/7/2012
Vosler	Aaron	Securitas	11/7/2011	Yes		11/7/2012
St. John	Jason	BrightSource Energy	11/7/2011	Yes		11/7/2012
Wald	Stephanie	BrightSource Energy	11/7/2011	Yes		11/7/2012
Robarge	Joseph A.	Bechtel Corp	11/7/2011	Yes		11/7/2012
Leavitt	Bill	A&D/DALS/AAA Fire	11/7/2011	Yes		11/7/2012
Crosek	Jim	A&D/DALS/AAA Fire	11/7/2011	Yes		11/7/2012
Weston	Vaughan	Bechtel Corp	11/7/2011	Yes		11/7/2012
Johnson	Mark	Bechtel Corp	11/7/2011	Yes		11/7/2012
Duran	O. Vince	Starlite Reclam.	11/7/2011	Yes		11/7/2012
Cannon	Fred	Bechtel Corp	11/7/2011	Yes		11/7/2012
Delgado	Jose L.	Bechtel Corp	11/14/2011	Yes		11/14/2012
Sharifan	Dawn	BrightSource Energy	11/14/2011	Yes		11/14/2012
Beatty	Justin	Bechtel Corp	11/14/2011	Yes		11/14/2012
Schaffer	Daniel	Bechtel Corp	11/14/2011	Yes		11/14/2012
Cole	Lynn	BrightSource Energy	11/14/2011	Yes		11/14/2012
Wolf	Roger A.	Bechtel Corp	11/14/2011	Yes		11/14/2012
Hughes	Gary	Bechtel Corp	11/14/2011	Yes		11/14/2012
Elliott	David	Western Pacific Crane	11/14/2011	Yes		11/14/2012
Bunch	Ross T.	Bechtel Corp	11/14/2011	Yes		11/14/2012
Shannazarian	Haig G.	Bechtel Corp	11/14/2011	Yes		11/14/2012
Rogers	Jerry A.	Bechtel Corp	11/14/2011	Yes		11/14/2012
Ibarra	Jaime D.	Bechtel Corp	11/14/2011	Yes		11/14/2012
Diaz	Michael	Securitas	11/14/2011	Yes		11/14/2012
Dool	Jacki	Power Constructors	11/14/2011	Yes		11/14/2012
Rorabacher	John	Power Constructors	11/14/2011	Yes		11/14/2012
Hermsmeyer	Steve	Bureau Veritas	11/14/2011	Yes		11/14/2012
Armdt	Chris	J.M. Carden	11/14/2011	Yes		11/14/2012
Nunez	David	J.M. Carden	11/14/2011	Yes		11/14/2012
Perkins	Lucas	Peerless Pump	11/14/2011	Yes		11/14/2012
Jacobson	Brian	Dependable Septic	11/14/2011	Yes		11/14/2012
Marcuse	Jana L.	Bechtel Corp	11/14/2011	Yes		11/14/2012
Juarez	Regina R.	Bechtel Corp	11/14/2011	Yes		11/14/2012
Curry	Tyson	Bechtel Corp	11/14/2011	Yes		11/14/2012
Ooneal	Tim	Bechtel Corp	11/14/2011	Yes		11/14/2012
Shafer	Lynne	Bechtel Corp	11/14/2011	Yes		11/14/2012

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Greer	Jeffrey	Bechtel Corp	11/14/2011	Yes		11/14/2012
Hernandez	Ruben	Bechtel Corp	11/14/2011	Yes		11/14/2012
Esquivel	Juan C.	Bechtel Corp	11/14/2011	Yes		11/14/2012
Piersall	Darrell	Bechtel Corp	11/14/2011	Yes		11/14/2012
Brown	James B.	BrightSource Energy	11/14/2011	Yes		11/14/2012
West	Rex	Bechtel Corp	11/21/2011	Yes		11/21/2012
Castellon	Miguel	Bechtel Corp	11/21/2011	Yes		11/21/2012
Barrientos	Fred	Bechtel Corp	11/21/2011	Yes		11/21/2012
Pilkington	Elton	Bechtel Corp	11/21/2011	Yes		11/21/2012
Hunt	Gary	BSCM	11/21/2011	Yes		11/21/2012
Barker	Timothy	Bechtel Corp	11/21/2011	Yes		11/21/2012
Frumento	Chris	Bechtel Corp	11/21/2011	Yes		11/21/2012
Bosie	Verle	Bechtel Corp	11/21/2011	Yes		11/21/2012
Shragg	David	Bechtel Corp	11/21/2011	Yes		11/21/2012
Caballero	Adrian	Conco	11/21/2011	Yes		11/21/2012
Marseen	Elias	Conco	11/21/2011	Yes		11/21/2012
Caballero	Richard	Conco	11/21/2011	Yes		11/21/2012
Petty Jr.	Dale	Mistras Group	11/21/2011	Yes		11/21/2012
Perez	Cris	Mistras Group	11/21/2011	Yes		11/21/2012
Sullwold	Kerry	A-1 Concrete Cutting	11/21/2011	Yes		11/21/2012
Rika	Graham	Bechtel Corp	11/21/2011	Yes		11/21/2012
Trujillo	Frank	Bechtel Corp	11/28/2011	Yes		11/28/2012
Carlson	Dale	Bechtel Corp	11/28/2011	Yes		11/28/2012
Birthisel	William	Bechtel Corp	11/28/2011	Yes		11/28/2012
Lamb	Don	Bechtel Corp	11/28/2011	Yes		11/28/2012
Espinoza	Victor	Bechtel Corp	11/28/2011	Yes		11/28/2012
Christopherson	Rick	Bechtel Corp	11/28/2011	Yes		11/28/2012
Lopez	Patrick	Bechtel Corp	11/28/2011	Yes		11/28/2012
Bradley	Charles	Bechtel Corp	11/28/2011	Yes		11/28/2012
Anguiano	Sergio	Bechtel Corp	11/28/2011	Yes		11/28/2012
Willis	Gary	Bechtel Corp	11/28/2011	Yes		11/28/2012
Urrutia Jr.	Elevterio	Bechtel Corp	11/28/2011	Yes		11/28/2012
Reynoso	Jose	Conco	11/30/2011	Yes		11/30/2012
Raya	Jose	Conco	11/30/2011	Yes		11/30/2012
Reynose	Isaac	Conco	11/30/2011	Yes		11/30/2012
Ponce	William	Conco	11/30/2011	Yes		11/30/2012
Collins	Ryan	Sheet Metal	12/1/2011	Yes		12/1/2012
Foster	John	Millwrights 1607	12/1/2011	Yes		12/1/2012
Williams	Kayla	Bechtel Corp	12/5/2011	Yes		12/5/2012
VanGelden	Donald	Bechtel Corp	12/5/2011	Yes		12/5/2012
Allen	Don	Bechtel Corp	12/5/2011	Yes		12/5/2012
Aebesche	Michael	Bechtel Corp	12/5/2011	Yes		12/5/2012
Schweei	Steve	Bechtel Corp	12/5/2011	Yes		12/5/2012
Dykstra	Harold	Bechtel Corp	12/5/2011	Yes		12/5/2012
Binkley	Matthew	Bechtel Corp	12/5/2011	Yes		12/5/2012
Anderson	Josh	Bechtel Corp	12/5/2011	Yes		12/5/2012
Roney	Dylan	Bechtel Corp	12/5/2011	Yes		12/5/2012
Gunnarsson	X-G	Siemens	12/5/2011	Yes		12/5/2012
Edwards	Chris	Bechtel Corp	12/5/2011	Yes		12/5/2012
Sullivan	Derrick	Allstate Tank	12/5/2011	Yes		12/5/2012
Byrd	Josh	Allstate Tank	12/5/2011	Yes		12/5/2012
Mayes	Johnny	Allstate Tank	12/5/2011	Yes		12/5/2012
Terry	Randy	Allstate Tank	12/5/2011	Yes		12/5/2012
Giaimo	Giancarlo	Bechtel Corp	12/5/2011	Yes		12/5/2012
Smith	Shayne	Bechtel Corp	12/5/2011	Yes		12/5/2012

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Rao	Cherukuri	Bechtel Corp	12/5/2011	Yes		12/5/2012
Porter	Wally	Bechtel Corp	12/5/2011	Yes		12/5/2012
Franklin	Mastrangelo	Bechtel Corp	12/5/2011	Yes		12/5/2012
Torres	Juan	Bechtel Corp	12/5/2011	Yes		12/5/2012
Hernandez	Ambrosto	Bechtel Corp	12/5/2011	Yes		12/5/2012
Edwards	Mark	Bechtel Corp	12/5/2011	Yes		12/5/2012
Grey	Imitdor	Bechtel Corp	12/5/2011	Yes		12/5/2012
Franke	Danny	BrightSource Energy	12/5/2011	Yes		12/5/2012
Hinzer	Michael	Bechtel Corp	12/5/2011	Yes		12/5/2012
Hana	Douglas	Bechtel Corp	12/5/2011	Yes		12/5/2012
Hollingworth	Dave	Bechtel Corp	12/5/2011	Yes		12/5/2012
Craft	Roy	NRG	12/5/2011	Yes		12/5/2012
Kilburn	Thomas	NRG	12/5/2011	Yes		12/5/2012
Mueller	Mark	Bechtel Corp	12/5/2011	Yes		12/5/2012
Robinson	Kevin	Bechtel Corp	12/5/2011	Yes		12/5/2012
Adeva	Abelardo (Larry)	Bechtel Corp	12/5/2011	Yes		12/5/2012
Romero	Jesse	Bechtel Corp	12/5/2011	Yes		12/5/2012
Mastrangelo	Frank	Bechtel Corp	12/5/2011	Yes		12/5/2012
Stanley	Terry	Bechtel Corp	12/12/2011	Yes		12/12/2012
Scarsdale	Dan	Bechtel Corp	12/12/2011	Yes		12/12/2012
Cline	Mark	Bechtel Corp	12/12/2011	Yes		12/12/2012
Huual	Timothy	Bechtel Corp	12/12/2011	Yes		12/12/2012
Champman	William	Bechtel Corp	12/12/2011	Yes		12/12/2012
Ruvalkaba	John	Bechtel Corp	12/12/2011	Yes		12/12/2012
Thomas	Marlon	Bechtel Corp	12/12/2011	Yes		12/12/2012
Hernandez	Crescencio	Bechtel Corp	12/12/2011	Yes		12/12/2012
Pereida	Francisco	Bechtel Corp	12/12/2011	Yes		12/12/2012
Puckett	Larry	Bechtel Corp	12/12/2011	Yes		12/12/2012
Begay	Che	Bechtel Corp	12/12/2011	Yes	12/22/2011	12/22/2012
Rodriguez	George	Bechtel Corp	12/12/2011	Yes		12/12/2012
Frank	Lanali	Bechtel Corp	12/12/2011	Yes		12/12/2012
Sykorski	Ronald	Bechtel Corp	12/12/2011	Yes		12/12/2012
Gomez	Alfonso	Bechtel Corp	12/12/2011	Yes		12/12/2012
Luna	Martin	Bechtel Corp	12/12/2011	Yes		12/12/2012
Cartwright	Thomas	Bechtel Corp	12/12/2011	Yes		12/12/2012
Pearce	Eric	Bechtel Corp	12/12/2011	Yes		12/12/2012
Baines	Robert	Bechtel Corp	12/12/2011	Yes		12/12/2012
Galloway	Solomon	Bechtel Corp	12/12/2011	Yes		12/12/2012
Bylund	Michael	Bechtel Corp	12/12/2011	Yes		12/12/2012
Comeaux	Joseph	Bechtel Corp	12/12/2011	Yes		12/12/2012
Kozey	Ryan	Bechtel Corp	12/12/2011	Yes		12/12/2012
Lewis	Ralph	Bechtel Corp	12/12/2011	Yes		12/12/2012
Lutz	Derrick	Bechtel Corp	12/12/2011	Yes		12/12/2012
Stearns	Eric	Bechtel Corp	12/12/2011	Yes		12/12/2012
Coronado	Nathan	Bechtel Corp	12/12/2011	Yes		12/12/2012
Estavillo	Robert	Bechtel Corp	12/12/2011	Yes		12/12/2012
Barnes	Anthony	Bechtel Corp	12/12/2011	Yes		12/12/2012
Davidhizar	Brian	Bechtel Corp	12/12/2011	Yes		12/12/2012
Finn	BRian	Bechtel Corp	12/12/2011	Yes		12/12/2012
Johnsrad	Arthur	Bechtel Corp	12/12/2011	Yes		12/12/2012
Uy	Lorenzo	Bechtel Corp	12/12/2011	Yes		12/12/2012
MacDonald	Scott	Bechtel Corp	12/12/2011	Yes		12/12/2012
Hathaway	Joshua	Bechtel Corp	12/12/2011	Yes		12/12/2012
Montejano	Ruben	Bechtel Corp	12/12/2011	Yes		12/12/2012
Jones	James	Bechtel Corp	12/12/2011	Yes		12/12/2012

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Sauer	James	Bechtel Corp	12/12/2011	Yes		12/12/2012
Shafer	Damian	Mistras Group	12/12/2011	Yes		12/12/2012
Lopez	Alex	Mistras Group	12/12/2011	Yes		12/12/2012
Sanchez	Emilio	Bechtel Corp	12/12/2011	Yes		12/12/2012
Alfred	James	Bechtel Corp	12/12/2011	Yes		12/12/2012
Hamilton	Chris	Las Vegas Paving	12/12/2011	Yes		12/12/2012
Green	Todd	Las Vegas Paving	12/12/2011	Yes		12/12/2012
Valles	Eddie	Bechtel Corp	12/12/2011	Yes		12/12/2012
Tilghman	Carl	Bechtel Corp	12/12/2011	Yes		12/12/2012
Maginity	Michael	Prefab	12/12/2011	Yes		12/12/2012
Rio	Robert	Bechtel Corp	12/12/2011	Yes		12/12/2012
Payne	Dale	Bechtel Corp	12/12/2011	Yes		12/12/2012
Packlas	Manuel	Bechtel Corp	12/12/2011	Yes		12/12/2012
Esqueda	Ray	Bechtel Corp	12/12/2011	Yes		12/12/2012
Sigalatarango	Jorge	Bechtel Corp	12/13/2011	Yes		12/13/2012
Villegas	Raul	Bechtel Corp	12/13/2011	Yes		12/13/2012
Meyering	Donald	Bechtel Corp	12/13/2011	Yes		12/13/2012
Prystro	Stephen	Bechtel Corp	12/13/2011	Yes		12/13/2012
Turner	Larry	Bechtel Corp	12/13/2011	Yes		12/13/2012
Scheele	Jacob	Bechtel Corp	12/13/2011	Yes		12/13/2012
Bowman	Randy	Bechtel Corp	12/13/2011	Yes		12/13/2012
Hilgar	Paul	Bechtel Corp	12/13/2011	Yes		12/13/2012
Singh	Vivek	Bechtel Corp	12/13/2011	Yes		12/13/2012
Oken	Kuto	Bechtel Corp	12/13/2011	Yes		12/13/2012
Leach	Craig	Bechtel Corp	12/13/2011	Yes		12/13/2012
Williams	Erik	Bechtel Corp	12/13/2011	Yes		12/13/2012
Follansbee	Jeff	Bechtel Corp	12/13/2011	Yes		12/13/2012
Brennan	Shawn	Bechtel Corp	12/13/2011	Yes		12/13/2012
Garcia	Mario	Bechtel Corp	12/13/2011	Yes		12/13/2012
Dominguez	Elias	Bechtel Corp	12/13/2011	Yes		12/13/2012
Phillips	Jonathan	Bechtel Corp	12/13/2011	Yes		12/13/2012
Scott	Dwayne	NRG	12/13/2011	Yes		12/13/2012
Jetton	Kirk	Bentech of Nevada	12/13/2011	Yes		12/13/2012
Prag	Daniel	BSII	12/13/2011	Yes		12/13/2012
Langer	Derrill	NRG	12/13/2011	Yes		12/13/2012
Harmon	Paul	Bechtel Corp	12/13/2011	Yes		12/13/2012
Tom	Keith	Bechtel Corp	12/13/2011	Yes		12/13/2012
Axelrod	Robert	Bechtel Corp	12/13/2011	Yes		12/13/2012
Rowe	Ken	Bechtel Corp	12/13/2011	Yes		12/13/2012
Butler	Vincent	Bechtel Corp	12/13/2011	Yes		12/13/2012
Brandes	William	Bechtel Corp	12/13/2011	Yes		12/13/2012
Childress	Steven	Bechtel Corp	12/13/2011	Yes		12/13/2012
Cisneros	Jose	Bechtel Corp	12/13/2011	Yes		12/13/2012
Schafer	Andrew	Bechtel Corp	12/13/2011	Yes		12/13/2012
Ceja	Robert	Bechtel Corp	12/13/2011	Yes		12/13/2012
Garcia	Frank	Bechtel Corp	12/13/2011	Yes		12/13/2012
Fitzgerald	Greg	Bechtel Corp	12/13/2011	Yes		12/13/2012
Montoya	Robert	Bechtel Corp	12/13/2011	Yes		12/13/2012
Vasquez	Martinez	Bechtel Corp	12/13/2011	Yes		12/13/2012
Mercer	Artis	Bechtel Corp	12/13/2011	Yes		12/13/2012
Ramirez	Enrique	Bechtel Corp	12/13/2011	Yes		12/13/2012
Burger	Robert	Bechtel Corp	12/13/2011	Yes		12/13/2012
Evans	Albert	Bechtel Corp	12/13/2011	Yes		12/13/2012
Hebel	Kurtis	Bechtel Corp	12/13/2011	Yes		12/13/2012
Bautista	Jaime	Bechtel Corp	12/13/2011	Yes		12/13/2012

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Stewart	Brian	Bechtel Corp	12/19/2011	Yes		12/19/2011
Gonzalez	Anthony	Bechtel Corp	12/19/2011	Yes		12/19/2011
Beatty	Kurtis	Bechtel Corp	12/19/2011	Yes		12/19/2011
Rothrock	Ray	Local 5	12/19/2011	Yes		12/19/2011
Peterson	Dale	Bechtel Corp	12/19/2011	Yes		12/19/2011
Merrill	John	Bechtel Corp	12/19/2011	Yes		12/19/2011
Fitzroy	Peter	Bechtel Corp	12/19/2011	Yes		12/19/2011
King	Daniel	Bechtel Corp	12/19/2011	Yes		12/19/2011
Bannan	Mike	Bechtel Corp	12/19/2011	Yes		12/19/2011
Riggle	Randy	Mammoet	12/19/2011	Yes		12/19/2011
Delgado	Robert	Mammoet	12/19/2011	Yes		12/19/2011
Preston	David	Mammoet	12/19/2011	Yes		12/19/2011
Voelker	Ryan	Fullmer	12/19/2011	Yes		12/19/2011
Rodriguez	David	Fullmer	12/19/2011	Yes		12/19/2011
Ware	Phillip	Bechtel Corp	12/19/2011	Yes		12/19/2011
Valencia	Victor	Bechtel Corp	12/19/2011	Yes		12/19/2011
Glasser	James	Bechtel Corp	12/19/2011	Yes		12/19/2011
Florence	Fred	Big Top	12/19/2011	Yes		12/19/2011
Gordon	Donald	Bechtel Corp	12/19/2011	Yes		12/19/2011
Jenkins	William	Bechtel Corp	12/19/2011	Yes		12/19/2011
Ortiz	Scott	Bechtel Corp	12/19/2011	Yes		12/19/2011
Orozco	David	Bechtel Corp	12/19/2011	Yes		12/19/2011
Young	David	Bechtel Corp	12/19/2011	Yes		12/19/2011
Costellanez	Rafael	Panelized Structures	12/19/2011	Yes		12/19/2011
Torres	Fernando	Panelized Structures	12/19/2011	Yes		12/19/2011
Wind	William	Bechtel Corp	12/19/2011	Yes		12/19/2011
Munson	Ronald	Bechtel Corp	12/19/2011	Yes		12/19/2011
Heriot	Glenn	Bechtel Corp	12/19/2011	Yes		12/19/2011
Browne	Tal	Bechtel Corp	12/19/2011	Yes		12/19/2011
Lizares	Matsy	Bechtel Corp	12/19/2011	Yes		12/19/2011
Scales	Michael	Bechtel Corp	12/19/2011	Yes		12/19/2011
Gulayev	Jonny	BSII	12/19/2011	Yes		12/19/2011
Dvir	Avi	BSII	12/19/2011	Yes		12/19/2011
Ravikovich	Gregory	BSII	12/19/2011	Yes		12/19/2011
Wons	Robert	GMF Fins	12/19/2011	Yes		12/19/2011
Smith	Daniel	Big Top	12/19/2011	Yes		12/19/2011
Maher	Joseph	Bechtel Corp	12/20/2011	Yes		12/20/2012
Bass	Doug	Bechtel Corp	12/20/2011	Yes		12/20/2012
Johnson	Alvin	Bechtel Corp	12/20/2011	Yes		12/20/2012
Chavarria	Joseph	Bechtel Corp	12/20/2011	Yes		12/20/2012
Kulungian	Robert	Bechtel Corp	12/20/2011	Yes		12/20/2012
Stringham	Jordan	Bechtel Corp	12/20/2011	Yes		12/20/2012
Powell	Jason	Bechtel Corp	12/20/2011	Yes		12/20/2012
Cook	Gavin	Bechtel Corp	12/20/2011	Yes		12/20/2012
Villarreal	Luis	Bechtel Corp	12/20/2011	Yes		12/20/2012
Burris	Xavier	Bechtel Corp	12/20/2011	Yes		12/20/2012
Crespo	Joel	Bechtel Corp	12/20/2011	Yes		12/20/2012
Nunez	Jorge	Bechtel Corp	12/20/2011	Yes		12/20/2012
Sanchez	Robert	Bechtel Corp	12/20/2011	Yes		12/20/2012
Camara	Raul	Bechtel Corp	12/20/2011	Yes		12/20/2012
Castillo	Hermilo	Bechtel Corp	12/20/2011	Yes		12/20/2012
Murray	Nathaniel	Bechtel Corp	12/20/2011	Yes		12/20/2012
Dieffenbacher	Mark	Bechtel Corp	12/20/2011	Yes		12/20/2012
Reese	Walter	Bechtel Corp	12/20/2011	Yes		12/20/2012
Medrano	Guadalupe	Bechtel Corp	12/20/2011	Yes		12/20/2012

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Maldonado	Gabriel	Bechtel Corp	12/20/2011	Yes		12/20/2012
Sweat	David	Bechtel Corp	12/20/2011	Yes		12/20/2012
Rockwell	Kelly	Bechtel Corp	12/20/2011	Yes		12/20/2012
Pardinek	Mary	Bechtel Corp	12/20/2011	Yes		12/20/2012
Edwards	Jeff	Bechtel Corp	12/20/2011	Yes		12/20/2012
Smith	Tyler	Bechtel Corp	12/20/2011	Yes		12/20/2012
Alesna	Robert	Bechtel Corp	12/20/2011	Yes		12/20/2012
Heckle	Stephen	Bechtel Corp	12/20/2011	Yes		12/20/2012
Baumann	Theodore	Bechtel Corp	12/20/2011	Yes		12/20/2012
Honeycutt	Thomas	Bechtel Corp	12/20/2011	Yes		12/20/2012
Bird	Thylor	Bechtel Corp	12/20/2011	Yes		12/20/2012
Marquez	Carlos	Bechtel Corp	12/20/2011	Yes		12/20/2012
Young	Kevin	Bechtel Corp	12/20/2011	Yes		12/20/2012
Canchov	Raul	Bechtel Corp	12/20/2011	Yes		12/20/2012
Herrera	Juventino	Bechtel Corp	12/20/2011	Yes		12/20/2012
Valencia	Isac	Bechtel Corp	12/20/2011	Yes		12/20/2012
Waornos	Henry	Bechtel Corp	12/20/2011	Yes		12/20/2012
Zapata	Ganzalo	Bechtel Corp	12/20/2011	Yes		12/20/2012
Viramontes	Patrick	Bechtel Corp	12/20/2011	Yes		12/20/2012
Talley Jr.	Michael	Bechtel Corp	12/20/2011	Yes		12/20/2012
Servera	David	Superior Wall Systems	12/27/2011	Yes		12/27/2012
Oberlander	Michael	Superior Wall Systems	12/27/2011	Yes		12/27/2012
Tapia	Hector	Superior Wall Systems	12/27/2011	Yes		12/27/2012
Nimmo	William	Bechtel Corp	12/27/2011	Yes		12/27/2012
Charles	Vincent	Bechtel Corp	12/27/2011	Yes		12/27/2012
Florian	Orlando	Panelized Structures	12/27/2011	Yes		12/27/2012
Thompson	Jim	Bureau Veritas	12/27/2011	Yes		12/27/2012
Rosas	Victor	Panelized Structures	12/27/2011	Yes		12/27/2012
Vigil	Jose	Panelized Structures	12/27/2011	Yes		12/27/2012
Rodriguez	Frank	Panelized Structures	12/27/2011	Yes		12/27/2012
Rovalcaba	John	Bechtel Corp	12/27/2011	Yes		12/27/2012
Hernandez	Crescencio	Bechtel Corp	12/27/2011	Yes		12/27/2012
Lung	Martin	Bechtel Corp	12/27/2011	Yes		12/27/2012
Prince	James	CTS	12/27/2011	Yes		12/27/2012
Meersman	Joseph	BrightSource Energy	1/3/2012	yes		1/3/2013
Roy	Steve	BrightSource Energy	1/3/2012	yes		1/3/2013
Cavener	Sean	Bechtel Corp	1/3/2012	yes		1/3/2013
Faulkner	James	Bechtel Corp	1/3/2012	yes		1/3/2013
Jorgensen	David	Bechtel Corp	1/3/2012	yes		1/3/2013
Rizo	Joel	Bechtel Corp	1/3/2012	yes		1/3/2013
Karaica	Nick	Bechtel Corp	1/3/2012	yes		1/3/2013
Moon	Tony	Bechtel Corp	1/3/2012	yes		1/3/2013
Sisiey	John	Bechtel Corp	1/3/2012	yes		1/3/2013
Campbell	Edward	Bechtel Corp	1/3/2012	yes		1/3/2013
Paxton	James	Bechtel Corp	1/3/2012	yes		1/3/2013
LeBlanc	Mitchell	Bechtel Corp	1/3/2012	yes		1/3/2013
Williams	Gary	Bechtel Corp	1/3/2012	yes		1/3/2013
Spann	Keith	Bechtel Corp	1/3/2012	yes		1/3/2013
Smith	William	A-1 Concrete Cutting	1/3/2012	yes		1/3/2013
Rodriguez	Jose Miguel	A-1 Concrete Cutting	1/3/2012	yes		1/3/2013
Little	Cory	Bechtel Corp	1/3/2012	yes		1/3/2013
Barrow	Chris	Bechtel Corp	1/3/2012	yes		1/3/2013
Dixon	Courtney	Bechtel Corp	1/3/2012	yes		1/3/2013
Lopez	Jose	Bechtel Corp	1/3/2012	yes		1/3/2013
Velazquez	Saturnino	Bechtel Corp	1/3/2012	yes		1/3/2013

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Ramirez	Rodolfo	Bechtel Corp	1/3/2012	yes		1/3/2013
Smith	Clay	Bechtel Corp	1/3/2012	yes		1/3/2013
Martin	Matthew	Bechtel Corp	1/3/2012	yes		1/3/2013
Hernandez	Salvador	Bechtel Corp	1/3/2012	yes		1/3/2013
Donaldson	Molly	BrightSource Energy	1/3/2012	yes		1/3/2013
Clark	Stanley	Bechtel Corp	1/3/2012	yes		1/3/2013
Miller	Arlen	Bechtel Corp	1/3/2012	yes		1/3/2013
Segura	Daniel	Jim Carden	1/3/2012	yes		1/3/2013
Camacho	Israel	Fullmer	1/3/2012	yes		1/3/2013
Lopez Abrego	Mario	Fullmer	1/3/2012	yes		1/3/2013
Robledo Tapia	Juan	Fullmer	1/3/2012	yes		1/3/2013
Molina Varelos	Gerardo	Fullmer	1/3/2012	yes		1/3/2013
DelaPaz Calvario	Jose	Fullmer	1/3/2012	yes		1/3/2013
Lopez Abrego	Roselio	Fullmer	1/3/2012	yes		1/3/2013
Bell	Gary	Bech	1/3/2012	yes		1/3/2013
Parker	Rich	Allstate Tank	1/3/2012	yes		1/3/2013
Bolding	Kenneth	Allstate Tank	1/3/2012	yes		1/3/2013
Lyman	Brent	Bechtel Corp	1/9/2012	Yes		1/9/2013
Brower	Calvin	Custom Arc	1/9/2012	Yes		1/9/2013
Torres	Cory	Orange County Erecors	1/9/2012	Yes		1/9/2013
Tucker	Clinton	Orange County Erecors	1/9/2012	Yes		1/9/2013
Devine	Patrick	Orange County Erecors	1/9/2012	Yes		1/9/2013
Eniery	Charles	Bechtel Corp	1/9/2012	Yes		1/9/2013
ByJoe	Tom	Bechtel Corp	1/9/2012	Yes		1/9/2013
Rico	Jose	Bechtel Corp	1/9/2012	Yes		1/9/2013
Ivany	Brandon	Bechtel Corp	1/9/2012	Yes		1/9/2013
Cooper	David	Bechtel Corp	1/9/2012	Yes		1/9/2013
Lenaman	Chris	Elemental Energy	1/9/2012	Yes		1/9/2013
Alghni	Rayyan	Bechtel Corp	1/9/2012	Yes		1/9/2013
Montero	Antonio	Con Testing	1/9/2012	Yes		1/9/2013
Jones	Russ	BrightSource Energy	1/9/2012	Yes		1/9/2013
Ryzewski	Barry	Bechtel Corp	1/9/2012	Yes		1/9/2013
Rogers	Dave	Bechtel Corp	1/9/2012	Yes		1/9/2013
Borjas	Cesar	Bechtel Corp	1/9/2012	Yes		1/9/2013
Valles	Albert	Bechtel Corp	1/9/2012	Yes		1/9/2013
Beyo	Richard	Bechtel Corp	1/9/2012	Yes		1/9/2013
Thompkins	Eric	Bechtel Corp	1/9/2012	Yes		1/9/2013
Soto	Carlos	Bechtel Corp	1/9/2012	Yes		1/9/2013
Schwab	anthony	Bechtel Corp	1/9/2012	Yes		1/9/2013
Conoscente	Mark	Bechtel Corp	1/9/2012	Yes		1/9/2013
Stout	Steve	Bechtel Corp	1/9/2012	Yes		1/9/2013
Huler	Bryce	Bechtel Corp	1/9/2012	Yes		1/9/2013
Anderson	Raymond	Bechtel Corp	1/9/2012	Yes		1/9/2013
Hawe	Eddie	Bechtel Corp	1/9/2012	Yes		1/9/2013
Clark	Damian	Bechtel Corp	1/9/2012	Yes		1/9/2013
Bennetti	Robert	Equipment 189182	1/17/2012	Yes		1/17/2013
Grant	Chris	Bechtel Corp	1/17/2012	Yes		1/17/2013
Sahu	Ashok	Bechtel Corp	1/17/2012	Yes		1/17/2013
James	Tim	Bechtel Corp	1/17/2012	Yes		1/17/2013
Duron	David	Bechtel Corp	1/17/2012	Yes		1/17/2013
Beierschmon	Joshua	Integrated Mechanical	1/17/2012	Yes		1/17/2013
Oberlander	Daniel	Integrated Mechanical	1/17/2012	Yes		1/17/2013
Coleman	Fred	Bechtel Corp	1/17/2012	Yes		1/17/2013
Williams	Pamela	Bechtel Corp	1/17/2012	Yes		1/17/2013
Omahoney	Kevin	Bechtel Corp	1/17/2012	Yes		1/17/2013

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Hess	Matthew	Elemental Energy	1/17/2012	Yes		1/17/2013
Ross	Jack	Bechtel Corp	1/17/2012	Yes		1/17/2013
Baxter	Jim	Bechtel Corp	1/17/2012	Yes		1/17/2013
Hernandez	Cesar	Bechtel Corp	1/17/2012	Yes		1/17/2013
Adams II	Thomas	Bechtel Corp	1/17/2012	Yes		1/17/2013
Espinoza	Orlando	Bechtel Corp	1/17/2012	Yes		1/17/2013
Morton	Steven	Bechtel Corp	1/17/2012	Yes		1/17/2013
Cruz	Jesse	Bechtel Corp	1/17/2012	Yes		1/17/2013
McElroy	William	Bechtel Corp	1/17/2012	Yes		1/17/2013
Garza	Jenovio	Bechtel Corp	1/17/2012	Yes		1/17/2013
Smith	John	Bechtel Corp	1/17/2012	Yes		1/17/2013
Kidwell	Steve	Bechtel Corp	1/17/2012	Yes		1/17/2013
Contreras	Pedro	Bechtel Corp	1/17/2012	Yes		1/17/2013
Johnson	Gerry	Bechtel Corp	1/17/2012	Yes		1/17/2013
Flores	Abel	Bechtel Corp	1/17/2012	Yes		1/17/2013
Mata	George	Bechtel Corp	1/17/2012	Yes		1/17/2013
Garnica	David	Bechtel Corp	1/17/2012	Yes		1/17/2013
Delgadillo	David	Ceiling Concepts	1/17/2012	Yes		1/17/2013
Paine	Joseph	Ceiling Concepts	1/17/2012	Yes		1/17/2013
May	Bob	BPC	1/17/2012	Yes		1/17/2013
Frericks	Kevin	Bechtel Corp	1/17/2012	Yes		1/17/2013
Zaragoza	Luis	Bechtel Corp	1/17/2012	Yes		1/17/2013
Glick	Jack	Bechtel Corp	1/17/2012	Yes		1/17/2013
Florez	Chris	Bechtel Corp	1/17/2012	Yes		1/17/2013
Rue	Dudley	Bechtel Corp	1/17/2012	Yes		1/17/2013
Vian	Nicholas	Bechtel Corp	1/17/2012	Yes		1/17/2013
Nix	Norman	Bechtel Corp	1/17/2012	Yes		1/17/2013
Kacura	Dave	Bechtel Corp	1/17/2012	Yes		1/17/2013
Andreason	Warren	Bechtel Corp	1/17/2012	Yes		1/17/2013
Davis	Donald	Bechtel Corp	1/17/2012	Yes		1/17/2013
Hunter	Anthony	Bechtel Corp	1/17/2012	Yes		1/17/2013
Trachta	Donald	Bechtel Corp	1/17/2012	Yes		1/17/2013
Villaneal	Oscar	Bechtel Corp	1/17/2012	Yes		1/17/2013
Rununez	Edward	Bechtel Corp	1/17/2012	Yes		1/17/2013
Gonzalez	Arnoldo	Bechtel Corp	1/17/2012	Yes		1/17/2013
Jiminez	Alfonzo	Bechtel Corp	1/17/2012	Yes		1/17/2013
Palmer	Jeffrey	Bechtel Corp	1/17/2012	Yes		1/17/2013
Allen	Terry	Bechtel Corp	1/17/2012	Yes		1/17/2013
Raymond	Joseph	Bechtel Corp	1/17/2012	Yes		1/17/2013
Sinner	John	Bechtel Corp	1/17/2012	Yes		1/17/2013
Stiffler	Carolee	Bechtel Corp	1/17/2012	Yes		1/17/2013
Stiffler	William	Bechtel Corp	1/17/2012	Yes		1/17/2013
Claborn	Michael	Bechtel Corp	1/17/2012	Yes		1/17/2013
Finley	Kelly	Bechtel Corp	1/17/2012	Yes		1/17/2013
Rife	Adam	Bechtel Corp	1/17/2012	Yes		1/17/2013
Nerio	James	Bechtel Corp	1/17/2012	Yes		1/17/2013
Gregory	Floyd	Bechtel Corp	1/23/2012	Yes		1/23/2013
Gaona	Camilo	Bechtel Corp	1/23/2012	Yes		1/23/2013
Lechiel	Rae	Bechtel Corp	1/23/2012	Yes		1/23/2013
Torres	Jaime	Bechtel Corp	1/23/2012	Yes		1/23/2013
Correra	Luis	Bechtel Corp	1/23/2012	Yes		1/23/2013
Richardson	Charles	Bechtel Corp	1/23/2012	Yes		1/23/2013
Audette	Jason	NRG	1/23/2012	Yes		1/23/2013
Rox	David	Bechtel Corp	1/23/2012	Yes		1/23/2013
Edwards	Jerry	Bechtel Corp	1/23/2012	Yes		1/23/2013

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Lowder	Christopher	Fullmer	1/23/2012	Yes		1/23/2013
Darila	Johnnie	Bechtel Corp	1/23/2012	Yes		1/23/2013
Pierri	Christopher	Fullmer	1/23/2012	Yes		1/23/2013
Oppedal	Denise	Bechtel Corp	1/23/2012	Yes		1/23/2013
Hawkins	Dennis	St Louis Screw & Bolt	1/23/2012	Yes		1/23/2013
Howard	Joseph	St Louis Screw & Bolt	1/23/2012	Yes		1/23/2013
Hovern	TJ Van	St Louis Screw & Bolt	1/23/2012	Yes		1/23/2013
Sanchez	Porfirio	Bakersfield Well & Pump	1/23/2012	Yes		1/23/2013
Murillo	James	Bakersfield Well & Pump	1/23/2012	Yes		1/23/2013
Graham	James	Bakersfield Well & Pump	1/23/2012	Yes		1/23/2013
Lytton	Will	Bechtel Corp	1/23/2012	Yes		1/23/2013
Hass	Ed	Fullmer	1/23/2012	Yes		1/23/2013
McFarlane	Peter	Bechtel Corp	1/23/2012	Yes		1/23/2013
Davis	Claudia	Bechtel Corp	1/23/2012	Yes		1/23/2013
Witt	Darryl	Bechtel Corp	1/23/2012	Yes		1/23/2013
Otto	Brian	Bechtel Corp	1/23/2012	Yes		1/23/2013
Placencia	Christopher	Bechtel Corp	1/23/2012	Yes		1/23/2013
Dobbs	Mechelle	Bechtel Corp	1/23/2012	Yes		1/23/2013
McGraw	Mike	Bechtel Corp	1/23/2012	Yes		1/23/2013
Ramirez	Adrian	Bechtel Corp	1/23/2012	Yes		1/23/2013
Marroquin	Danny	Bechtel Corp	1/23/2012	Yes		1/23/2013
Ortiz	Jose	Bechtel Corp	1/23/2012	Yes		1/23/2013
Frontino	Joseph	Bechtel Corp	1/23/2012	Yes		1/23/2013
Martin	Robert	Bechtel Corp	1/23/2012	Yes		1/23/2013
Blount	Charles	Bechtel Corp	1/23/2012	Yes		1/23/2013
Harden	Leitha	Bechtel Corp	1/23/2012	Yes		1/23/2013
Braden	Charles	Bechtel Corp	1/23/2012	Yes		1/23/2013
Lalla	Nathaniel	Bechtel Corp	1/23/2012	Yes		1/23/2013
Bermudez Jr	Miguel	Bechtel Corp	1/30/2012	Yes		1/30/2013
Bales	Christopher	Bechtel Corp	1/30/2012	Yes		1/30/2013
Ruiz	Sergio	Bechtel Corp	1/30/2012	Yes		1/30/2013
Collins	James	Bechtel Corp	1/30/2012	Yes		1/30/2013
Steiner	Paul	Bechtel Corp	1/30/2012	Yes		1/30/2013
Chacon	Dennis	Bechtel Corp	1/30/2012	Yes		1/30/2013
Fuller	Morgan	Bechtel Corp	1/30/2012	Yes		1/30/2013
Granados	Jesus	Bechtel Corp	1/30/2012	Yes		1/30/2013
Blasingame	Tom	Bechtel Corp	1/30/2012	Yes		1/30/2013
Magellon	Ralph	Bechtel Corp	1/30/2012	Yes		1/30/2013
Lundstrom	Patrick	Bechtel Corp	1/30/2012	Yes		1/30/2013
Fitzpatrick Jr	Timothy	Bechtel Corp	1/30/2012	Yes		1/30/2013
Gianni	Jeff	Bechtel Corp	1/30/2012	Yes		1/30/2013
Peart	Cindy	Bechtel Corp	1/30/2012	Yes		1/30/2013
Kraemer	Daryl	Bechtel Corp	1/30/2012	Yes		1/30/2013
Scarbrough	Stephen	Bechtel Corp	1/30/2012	Yes		1/30/2013
John	Jeremy	Bechtel Corp	1/30/2012	Yes		1/30/2013
Adams	Travis	Bechtel Corp	1/30/2012	Yes		1/30/2013
Saavedra	Gilberto	Bechtel Corp	1/30/2012	Yes		1/30/2013
Pitre	Garry	Bechtel Corp	1/30/2012	Yes		1/30/2013
Stowers	Russell	Bechtel Corp	1/30/2012	Yes		1/30/2013
Holly	Andre	Bechtel Corp	1/30/2012	Yes		1/30/2013
Gallegos	Steve	Bechtel Corp	1/30/2012	Yes		1/30/2013
Calderon	Jose	Bechtel Corp	1/30/2012	Yes		1/30/2013
Torres	Ramon	Bechtel Corp	1/30/2012	Yes		1/30/2013
Vejar	Luis	Bechtel Corp	1/30/2012	Yes		1/30/2013
Magana	Ganzalo	Bechtel Corp	1/30/2012	Yes		1/30/2013

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McIlhagga	Scott	Niagara Blower	1/30/2012	Yes		1/30/2013
Aleshire	Kenneth	Bechtel Corp	1/30/2012	Yes		1/30/2013
Trujillo	John	Bechtel Corp	1/30/2012	Yes		1/30/2013
Bhise	Vikrant	Bechtel Corp	1/30/2012	Yes		1/30/2013
Lambert	Troy	Bechtel Corp	1/30/2012	Yes		1/30/2013
Mork	Damon	Bechtel Corp	1/30/2012	Yes		1/30/2013
Younker	Ryan	Bechtel Corp	1/30/2012	Yes		1/30/2013
Velasquez	Rafael	Bechtel Corp	1/30/2012	Yes		1/30/2013
Madrid	David	Bechtel Corp	1/30/2012	Yes		1/30/2013
Rios	Matthew	Bechtel Corp	1/30/2012	Yes		1/30/2013
Jones	Jeff	Bechtel Corp	1/30/2012	Yes		1/30/2013
Long	Lonnie	Bechtel Corp	1/30/2012	Yes		1/30/2013
McDonald	Charles	Bechtel Corp	1/30/2012	Yes		1/30/2013
Yocum	Paul	Bechtel Corp	1/30/2012	Yes		1/30/2013
Perez	David	Bechtel Corp	1/30/2012	Yes		1/30/2013
Alvarez	Thomas	Bechtel Corp	1/30/2012	Yes		1/30/2013
Castner	Robert	Bechtel Corp	1/30/2012	Yes		1/30/2013
Melgoza	Andres	Bechtel Corp	1/30/2012	Yes		1/30/2013
Collins	Christopher	Bechtel Corp	1/30/2012	Yes		1/30/2013
Alcorn	Joel	Bechtel Corp	1/30/2012	Yes		1/30/2013
Aragon	David	Bechtel Corp	1/30/2012	Yes		1/30/2013
Conde	Cesar	Bechtel Corp	1/30/2012	Yes		1/30/2013
Belk	Kevin	Bechtel Corp	1/30/2012	Yes		1/30/2013
Graham	Gerald	Bechtel Corp	1/30/2012	Yes		1/30/2013
Ellison	Sherrian	Bechtel Corp	1/30/2012	Yes		1/30/2013
Brooks	Alan	Bechtel Corp	1/30/2012	Yes		1/30/2013
Nelson	Paul	Bechtel Corp	1/30/2012	Yes		1/30/2013
Vigil	Felix	Bechtel Corp	1/30/2012	Yes		1/30/2013
Clark	Michael	Bechtel Corp	1/30/2012	Yes		1/30/2013
Post	John	Bechtel Corp	2/6/2012	Yes		2/6/2013
Beasley	Robert	Bechtel Corp	2/6/2012	Yes		2/6/2013
Salas	Claudio	Bechtel Corp	2/6/2012	Yes		2/6/2013
Bareno	Richard	Bechtel Corp	2/6/2012	Yes		2/6/2013
Ferguson	Monica	Talascend/Bechtel	2/6/2012	Yes		2/6/2013
Sonrez	Felipe	Bechtel Corp	2/6/2012	Yes		2/6/2013
lewondowski	Jessica	Talascend/Bechtel	2/6/2012	Yes		2/6/2013
Jordon	Corey	Bechtel Corp	2/6/2012	Yes		2/6/2013
Vazquez	Ernesto	Bechtel Corp	2/6/2012	Yes		2/6/2013
Ayala	Lee Anthony	Bechtel Corp	2/6/2012	Yes		2/6/2013
Haval	Lynette	Talascend/Bechtel	2/6/2012	Yes		2/6/2013
Hernandez	Alvaro	Bechtel Corp	2/6/2012	Yes		2/6/2013
Poust	Thomas	Bechtel Corp	2/6/2012	Yes		2/6/2013
Placencia	Lynn	Bechtel Corp	2/6/2012	Yes		2/6/2013
Vazquez	Joseph	Bechtel Corp	2/6/2012	Yes		2/6/2013
Gonzalez	Robert	Bechtel Corp	2/6/2012	Yes		2/6/2013
Feis	Michael	Bechtel Corp	2/6/2012	Yes		2/6/2013
Castro	Pedro	Bechtel Corp	2/6/2012	Yes		2/6/2013
Sinohw Jr	Frank	Bechtel Corp	2/6/2012	Yes		2/6/2013
Warren	Clark	Bechtel Corp	2/6/2012	Yes		2/6/2013
Keller	Patrick	Bechtel Corp	2/6/2012	Yes		2/6/2013
LeBlanc	Steve	Bechtel Corp	2/6/2012	Yes		2/6/2013
Andrew IV	Erwin	Bechtel Corp	2/6/2012	Yes		2/6/2013
McCreedy	Mike	Bechtel Corp	2/6/2012	Yes		2/6/2013
DeNeve	Travis	Bechtel Corp	2/6/2012	Yes		2/6/2013
Beverly	Michael	Bechtel Corp	2/6/2012	Yes		2/6/2013

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Gilkerson	Kenneth	BrightSource Energy	2/6/2012	Yes		2/6/2013
Johnson	Eric	Bechtel Corp	2/6/2012	Yes		2/6/2013
Benitez	Enrique	Bechtel Corp	2/6/2012	Yes		2/6/2013
Church	Donald	CTS	2/6/2012	Yes		2/6/2013
Ortega	Juan	Bechtel Corp	2/6/2012	Yes		2/6/2013
Pinney	Christy	Bureau Veritas	2/6/2012	Yes		2/6/2013
Oliver	Terence	Bechtel Corp	2/6/2012	Yes		2/6/2013
Jasso	Ruben	Bechtel Corp	2/6/2012	Yes		2/6/2013
Povivos	Michael	Bechtel Corp	2/6/2012	Yes		2/6/2013
Garcia	Paul	Bechtel Corp	2/6/2012	Yes		2/6/2013
Sentieri	Robert	Bechtel Corp	2/6/2012	Yes		2/6/2013
Holder	Nicholas	Bechtel Corp	2/6/2012	Yes		2/6/2013
Marquez	Luz	Bechtel Corp	2/6/2012	Yes		2/6/2013
Ruelas	Ivan	Gregg	2/6/2012	Yes		2/6/2013
DeVore	Chris	Bechtel Corp	2/6/2012	Yes		2/6/2013
Salas	Leo	Bechtel Corp	2/6/2012	Yes		2/6/2013
Hill	Brian	Bureau Veritas	2/6/2012	Yes		2/6/2013
Dickerson	Dan	Bechtel Corp	2/6/2012	Yes		2/6/2013
Price	Gregory	Bechtel Corp	2/6/2012	Yes		2/6/2013
Tracy	Gary	Conco	2/6/2012	Yes		2/6/2013
Gallardo	Armando	Conco	2/6/2012	Yes		2/6/2013
Almanza	Ernesto	Conco	2/6/2012	Yes		2/6/2013
Rubalcava	Steven	Starlite Reclam.	2/6/2012	Yes		2/6/2013
Hall	Christopher	OEM Controls	2/6/2012	Yes		2/6/2013
DeGeorge	Joe	OEM Controls	2/6/2012	Yes		2/6/2013
Bailey	Brian	OEM Controls	2/6/2012	Yes		2/6/2013
Sampieri	Jason	OEM Controls	2/6/2012	Yes		2/6/2013
Pillai	Girish	Bechtel Corp	2/6/2012	Yes		2/6/2013
Arrington	Sirkristopher	Gregg	2/6/2012	Yes		2/6/2013
Goodwin	Max	Riley Power	2/6/2012	Yes		2/6/2013
Matheson	Steven	Bechtel Corp	2/13/2012	Yes		2/13/2013
Juarez	Daniel	Bechtel Corp	2/13/2012	Yes		2/13/2013
Ruiz	Juan	Gregg	2/13/2012	Yes		2/13/2013
Vargas	Jesus	Bechtel Corp	2/13/2012	Yes		2/13/2013
Avalos	Julio	Bechtel Corp	2/13/2012	Yes		2/13/2013
Waggoner	Thomas	Gregg	2/13/2012	Yes		2/13/2013
Wilson	Stuart	Bechtel Corp	2/13/2012	Yes		2/13/2013
Flemmer	John	Bechtel Corp	2/13/2012	Yes		2/13/2013
Goodrich	Ron	Bechtel Corp	2/13/2012	Yes		2/13/2013
Cureton	William	Bechtel Corp	2/13/2012	Yes		2/13/2013
McMahon	Kyle	Bechtel Corp	2/13/2012	Yes		2/13/2013
May	Adam	Bechtel Corp	2/13/2012	Yes		2/13/2013
Trost	Jacob	Bechtel Corp	2/13/2012	Yes		2/13/2013
Solis	George	Bechtel Corp	2/13/2012	Yes		2/13/2013
Payne	Edward	Bechtel Corp	2/13/2012	Yes		2/13/2013
Altman	Mitchell	Bechtel Corp	2/13/2012	Yes		2/13/2013
Luna	Ramiro	Bechtel Corp	2/13/2012	Yes		2/13/2013
Dedmor	Gary	Bechtel Corp	2/13/2012	Yes		2/13/2013
Kurtz	Brian	Bechtel Corp	2/13/2012	Yes		2/13/2013
Walbom	Stephen	Bechtel Corp	2/13/2012	Yes		2/13/2013
Ferguson	John	Bechtel Corp	2/13/2012	Yes		2/13/2013
Kennett	Ryan	Bechtel Corp	2/13/2012	Yes		2/13/2013
Sambrano	Gerardo	Bechtel Corp	2/13/2012	Yes		2/13/2013
White	Duane	BrightSource Energy	2/13/2012	Yes		2/13/2013
Pikoy	Joe	Prospect Steel	2/13/2012	Yes		2/13/2013

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Tavakolian	Jacob	BrightSource Energy	2/13/2012	Yes		2/13/2013
Buhacoff	Gustavo	BrightSource Energy	2/13/2012	Yes		2/13/2013
Medina	Andy	Bechtel Corp	2/13/2012	Yes		2/13/2013
Davii	Kevin	Steel Unlimited	2/13/2012	Yes		2/13/2013
Lee	Tom	Bechtel Corp	2/13/2012	Yes		2/13/2013
Smith	Stuart	Fullmer	2/13/2012	Yes		2/13/2013
Brons	Adriaan	Bechtel Corp	2/13/2012	Yes		2/13/2013
White	Rodney	Bechtel Corp	2/13/2012	Yes		2/13/2013
Lauer	David	IMS	2/13/2012	Yes		2/13/2013
Rodriguez	Hector	Bechtel Corp	2/13/2012	Yes		2/13/2013
Davis	Marlon	Bechtel Corp	2/13/2012	Yes		2/13/2013
Barlow	Jeff	Bechtel Corp	2/13/2012	Yes		2/13/2013
Sniffen	Leonard	Bechtel Corp	2/13/2012	Yes		2/13/2013
Thrush	Sean	Bechtel Corp	2/13/2012	Yes		2/13/2013
Dubrowr	Paul	Bechtel Corp	2/13/2012	Yes		2/13/2013
Dogey	Chris	Bechtel Corp	2/13/2012	Yes		2/13/2013
Palomares	Rene	Bechtel Corp	2/13/2012	Yes		2/13/2013
Williams	William	Bechtel Corp	2/13/2012	Yes		2/13/2013
Eaglin	Robert	Bechtel Corp	2/13/2012	Yes		2/13/2013
Fairchild	Rick	Bechtel Corp	2/13/2012	Yes		2/13/2013
Garcia	Richard	Bechtel Corp	2/13/2012	Yes		2/13/2013
Barba	Chris	Bechtel Corp	2/13/2012	Yes		2/13/2013
Atencio	Clyde	Bechtel Corp	2/13/2012	Yes		2/13/2013
Graham	Rick	Bechtel Corp	2/13/2012	Yes		2/13/2013
Riggs	Jeffrey	Bechtel Corp	2/13/2012	Yes		2/13/2013
Samueliaz	Mitchell	NRG	2/13/2012	Yes		2/13/2013
Carrillo	Ben	Bechtel Corp	2/13/2012	Yes		2/13/2013
Price	Thomas	Bechtel Corp	2/13/2012	Yes		2/13/2013
Moreno	Travis	Bechtel Corp	2/13/2012	Yes		2/13/2013
Montoya	Jack	Bechtel Corp	2/13/2012	Yes		2/13/2013
Ayotte	Gene	Bechtel Corp	2/13/2012	Yes		2/13/2013
Miller	Timothy	Bechtel Corp	2/13/2012	Yes		2/13/2013
Hemming	Jim	Bechtel Corp	2/13/2012	Yes		2/13/2013
Conklin	Theodore	BrightSource Energy	2/13/2012	Yes		2/13/2013
Frabotta	Michael	Steel Unlimited	2/13/2012	Yes		2/13/2013
Hayes	Gregory	??	2/13/2012	Yes		2/13/2013
Banks	Cassandra	Bechtel Corp	2/13/2012	Yes		2/13/2013
Levison	Todd	Bechtel Corp	2/21/2012	Yes		2/21/2013
Garcia	Santiago	Bechtel Corp	2/21/2012	Yes		2/21/2013
Ohaire	David	Bechtel Corp	2/21/2012	Yes		2/21/2013
Kremer	Ric	Bechtel Corp	2/21/2012	Yes		2/21/2013
Leary	Conrad	Bechtel Corp	2/21/2012	Yes		2/21/2013
Steidley	Bud	Bechtel Corp	2/21/2012	Yes		2/21/2013
Castronova	Al	Desert Industries	2/21/2012	Yes		2/21/2013
Boyd	Daniel	Bechtel Corp	2/21/2012	Yes		2/21/2013
Ellis	Tom	Bechtel Corp	2/21/2012	Yes		2/21/2013
Valdez	Daniel	Bechtel Corp	2/21/2012	Yes		2/21/2013
Hernandez	Benjamin	Bechtel Corp	2/21/2012	Yes		2/21/2013
Lindsay	Mike	Bechtel Corp	2/21/2012	Yes		2/21/2013
Bennett	Thomas	Water Pro	2/21/2012	Yes		2/21/2013
Martinez	Jose	Bechtel Corp	2/21/2012	Yes		2/21/2013
Blalock	Jefferey	Bechtel Corp	2/21/2012	Yes		2/21/2013
Burrows	John	Bechtel Corp	2/21/2012	Yes		2/21/2013
Saenz	Fernando	Bechtel Corp	2/21/2012	Yes		2/21/2013
Arguello	Louis	Bechtel Corp	2/21/2012	Yes		2/21/2013

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Martin	David	Bechtel Corp	2/21/2012	Yes		2/21/2013
Marin	Humberto	Lexicon	2/21/2012	Yes		2/21/2013
Smith	Mark	Bechtel Corp	2/21/2012	Yes		2/21/2013
Hill	Charles	Lexicon	2/21/2012	Yes		2/21/2013
Connors	Troy	Bechtel Corp	2/21/2012	Yes		2/21/2013
Gutierrez	Jesus	Bechtel Corp	2/21/2012	Yes		2/21/2013
Peralta	Ramon	Bechtel Corp	2/21/2012	Yes		2/21/2013
Carruth	William	Bechtel Corp	2/21/2012	Yes		2/21/2013
Kooner	John	Bechtel Corp	2/21/2012	Yes		2/21/2013
Ward	Michael	Bechtel Corp	2/21/2012	Yes		2/21/2013
Orth	Dale	Bechtel Corp	2/21/2012	Yes		2/21/2013
Hall	Joseph	Bechtel Corp	2/21/2012	Yes		2/21/2013
Laubscher	Peter	Bechtel Corp	2/21/2012	Yes		2/21/2013
LeFave	Gabe	Bechtel Corp	2/21/2012	Yes		2/21/2013
Cummings	Brian	Bechtel Corp	2/21/2012	Yes		2/21/2013
Morris	Joelle	Bechtel Corp	2/21/2012	Yes		2/21/2013
Webrand	Julia	Bechtel Corp	2/21/2012	Yes		2/21/2013
Scriven	Gary	Bechtel Corp	2/21/2012	Yes		2/21/2013
Uirzi	Nick	Bechtel Corp	2/21/2012	Yes		2/21/2013
Sheley	Brad	Bechtel Corp	2/21/2012	Yes		2/21/2013
Gorlli	Robert	Bechtel Corp	2/21/2012	Yes		2/21/2013
Angel	Joseph	Bechtel Corp	2/21/2012	Yes		2/21/2013
Bradley	Stewart	Bechtel Corp	2/21/2012	Yes		2/21/2013
Saravia	Jesus	Bechtel Corp	2/21/2012	Yes		2/21/2013
Rivas	Santiago	Bechtel Corp	2/21/2012	Yes		2/21/2013
Murray	Greg	Bechtel Corp	2/21/2012	Yes		2/21/2013
Reyes	Jose	Bechtel Corp	2/21/2012	Yes		2/21/2013
Firer	A.J.	Bechtel Corp	2/21/2012	Yes		2/21/2013
Taylor	Brenden	Garrett Fleming	2/27/2012	Yes		2/27/2013
Nguyen	Paul	Garrett Fleming	2/27/2012	Yes		2/27/2013
Browney	Rodney	Bechtel Corp	2/27/2012	Yes		2/27/2013
Dowalter	Brian	Bechtel Corp	2/27/2012	Yes		2/27/2013
Page	Michael	Bechtel Corp	2/27/2012	Yes		2/27/2013
Ramirez	Cesar	Bechtel Corp	2/27/2012	Yes		2/27/2013
Reed	Mark	Bechtel Corp	2/27/2012	Yes		2/27/2013
Belmonte	Joshua	Bechtel Corp	2/27/2012	Yes		2/27/2013
Toon	Steve	Bechtel Corp	2/27/2012	Yes		2/27/2013
Bartos	Rick	Bechtel Corp	2/27/2012	Yes		2/27/2013
Jenkins	Dwight	Bechtel Corp	2/27/2012	Yes		2/27/2013
Vandever	Garret	Water Pro	2/27/2012	Yes		2/27/2013
Hardy	Jennifer	Bechtel Corp	2/27/2012	Yes		2/27/2013
Bautista	Jorge	Premier Tile	2/27/2012	Yes		2/27/2013
Kinzer	David	Bechtel Corp	2/27/2012	Yes		2/27/2013
Lopez	Alexander	Bechtel Corp	2/27/2012	Yes		2/27/2013
Wilson	John Eric	Bechtel Corp	2/27/2012	Yes		2/27/2013
Schagh	Terry	Bechtel Corp	2/27/2012	Yes		2/27/2013
Santos III	Richard	Bechtel Corp	2/27/2012	Yes		2/27/2013
Bradway	Brian	Bechtel Corp	2/27/2012	Yes		2/27/2013
Brown	Michael	Bechtel Corp	2/27/2012	Yes		2/27/2013
Hunt	Timothy	Bechtel Corp	2/27/2012	Yes		2/27/2013
Williams	Kirk	Bechtel Corp	2/27/2012	Yes		2/27/2013
Mora	Salvador	Custom Arc	2/27/2012	Yes		2/27/2013
Minnala	Andy	Bechtel Corp	2/27/2012	Yes		2/27/2013
Arang	Carlos	United Rentals	2/27/2012	Yes		2/27/2013
Slavin	Amy	Bechtel Corp	2/27/2012	Yes		2/27/2013

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Sullwold	Kerry	A-1 Concrete Cutting	2/27/2012	Yes		2/27/2013
Sawyer	Michael	Custom Arc	2/27/2012	Yes		2/27/2013
Snow	Charlie	Bechtel Corp	2/27/2012	Yes		2/27/2013
Pruitt	Steven	Bechtel Corp	2/27/2012	Yes		2/27/2013
Marcos	Joseph	SCE	2/27/2012	Yes		2/27/2013
Pinkerton	Matt	Water Pro	2/27/2012	Yes		2/27/2013
Frye	Keith	All State Tank	2/27/2012	Yes		2/27/2013
Bradbury	Shawn	Bechtel Corp	2/27/2012	Yes		2/27/2013
Hagan	Adam	Bechtel Corp	2/27/2012	Yes		2/27/2013
Austin	Keith	Custom Arc	2/27/2012	Yes		2/27/2013
Marley	Brenda	Bechtel Corp	2/27/2012	Yes		2/27/2013
Scholes	Taylor	Bechtel Corp	2/27/2012	Yes		2/27/2013
Lopez	Frank	Custom Arc	2/27/2012	Yes		2/27/2013
Bickham	Tommy	Custom Arc	2/27/2012	Yes		2/27/2013
Johnston	Charles	Custom Arc	2/27/2012	Yes		2/27/2013
Baker	Michael	Custom Arc	2/27/2012	Yes		2/27/2013
Bryars	Thomas	Custom Arc	2/27/2012	Yes		2/27/2013
Slydis	Matt	?	2/27/2012	Yes		2/27/2013
Aho	Tivi	Bechtel Corp	2/27/2012	Yes		2/27/2013
DutraFerea	George	Bechtel Corp	2/27/2012	Yes		2/27/2013
Mann	Scott	Bechtel Corp	2/27/2012	Yes		2/27/2013
Kababik	Justin	Bechtel Corp	2/27/2012	Yes		2/27/2013
Oneil	Patrick	Bechtel Corp	2/27/2012	Yes		2/27/2013
Gammie	Jim	Bechtel Corp	2/27/2012	Yes		2/27/2013
Herron	John	Bechtel Corp	2/27/2012	Yes		2/27/2013
Larios	Francisco	Bechtel Corp	2/27/2012	Yes		2/27/2013
Schumacher	Dean	Bechtel Corp	2/27/2012	Yes		2/27/2013
Bachmou	Gerald	??	2/27/2012	Yes		2/27/2013
Welsh	Adam	Bechtel Corp	2/27/2012	Yes		2/27/2013
Hudelson	Randy	Bechtel Corp	2/27/2012	Yes		2/27/2013
Barnes	Michael	Bechtel Corp	2/27/2012	Yes		2/27/2013
Warum	Ben	Bechtel Corp	2/27/2012	Yes		2/27/2013
Maxwell	Benjamin	Bechtel Corp	2/27/2012	Yes		2/27/2013
Sanborn	Daryl	Bechtel Corp	2/27/2012	Yes		2/27/2013
Wise	Greg	BrightSource Energy	2/27/2012	Yes		2/27/2013
Cairmey	Andrew	Sierra Industrial	2/27/2012	Yes		2/27/2013
Hayes	Sean	EMF Fire Solutions	2/27/2012	Yes		2/27/2013
Sobczyk	Bart	NRG	2/27/2012	Yes		2/27/2013
Withen	Raymond	Bechtel Corp	2/27/2012	Yes		2/27/2013
Daniels	Robert	Riley Power	2/27/2012	Yes		2/27/2013
Nichols	Brian	Bechtel Corp	3/5/2012	Yes		3/5/2013
Gardner	Jason	Bechtel Corp	3/5/2012	Yes		3/5/2013
Massey	Mark	F.E. Moran	3/5/2012	Yes		3/5/2013
Urban	Ryan	Bechtel Corp	3/5/2012	Yes		3/5/2013
Horton	Larry	Bechtel Corp	3/5/2012	Yes		3/5/2013
Culver	Frank	Bechtel Corp	3/5/2012	Yes		3/5/2013
Agashkow	Dmitry	Bechtel Corp	3/5/2012	Yes		3/5/2013
Poliakov	Eddik	Bechtel Corp	3/5/2012	Yes		3/5/2013
Hodges	Keith	Bechtel Corp	3/5/2012	Yes		3/5/2013
Akin	Mark	Bechtel Corp	3/5/2012	Yes		3/5/2013
Vasquez	Michael	Bechtel Corp	3/5/2012	Yes		3/5/2013
Padilla Jr	Erminio	Bechtel Corp	3/5/2012	Yes		3/5/2013
John	Kip	Bechtel Corp	3/5/2012	Yes		3/5/2013
Gonzales	Ernie	Bechtel Corp	3/5/2012	Yes		3/5/2013
Overbo	Ben	Bechtel Corp	3/5/2012	Yes		3/5/2013

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Ordinoca	Jared	Bechtel Corp	3/5/2012	Yes		3/5/2013
Larson	Kevin	Bechtel Corp	3/5/2012	Yes		3/5/2013
Littleman	Raymond	Bechtel Corp	3/5/2012	Yes		3/5/2013
Vargas	Daniel	Bechtel Corp	3/5/2012	Yes		3/5/2013
Hacker	Jacob	Bechtel Corp	3/5/2012	Yes		3/5/2013
Assuras	Michael	Bechtel Corp	3/5/2012	Yes		3/5/2013
Tran	Jacky	Bechtel Corp	3/5/2012	Yes		3/5/2013
Pittman	Susan	Bechtel Corp	3/5/2012	Yes		3/5/2013
Post	Kristopher	Bechtel Corp	3/5/2012	Yes		3/5/2013
Gidcumb	Trevor	Bechtel Corp	3/5/2012	Yes		3/5/2013
Ritchie	Freddie	Bechtel Corp	3/5/2012	Yes		3/5/2013
Wisely	Benjamin	Bechtel Corp	3/5/2012	Yes		3/5/2013
Marriscal	Martin	Boilermaker	3/5/2012	Yes		3/5/2013
Mejia	John	Bechtel Corp	3/5/2012	Yes		3/5/2013
Phillips	Brian	Bechtel Corp	3/5/2012	Yes		3/5/2013
Monreal	Roy	Bechtel Corp	3/5/2012	Yes		3/5/2013
Grigsby	Conan	Bechtel Corp	3/5/2012	Yes		3/5/2013
Kaus	Pete	Bechtel Corp	3/5/2012	Yes		3/5/2013
Gomez	Alfonzo	Bechtel Corp	3/5/2012	Yes		3/5/2013
Hamilton	Chris	Bechtel Corp	3/5/2012	Yes		3/5/2013
McIneny	James	Bechtel Corp	3/5/2012	Yes		3/5/2013
Mollohan	Mike	Bechtel Corp	3/5/2012	Yes		3/5/2013
Capoupon	Lawrence	Bechtel Corp	3/5/2012	Yes		3/5/2013
Richards	Eugene	Bechtel Corp	3/5/2012	Yes		3/5/2013
Seyum	Daniel	Bechtel Corp	3/5/2012	Yes		3/5/2013
Simon	Jesse	Bechtel Corp	3/5/2012	Yes		3/5/2013
Barber	David	Bechtel Corp	3/5/2012	Yes		3/5/2013
Mastrangelo	Frank	Bechtel Corp	3/5/2012	Yes		3/5/2013
DeLaschmutt	Ryan	Custom Arc	3/5/2012	Yes		3/5/2013
Gladwell	Thomas	Custom Arc	3/5/2012	Yes		3/5/2013
Smith	Greg	Bechtel Corp	3/5/2012	Yes		3/5/2013
Carter	Robert	Bechtel Corp	3/5/2012	Yes		3/5/2013
Ball	Gary	Bechtel Corp	3/5/2012	Yes		3/5/2013
Jauregui	Frick	Bechtel Corp	3/5/2012	Yes		3/5/2013
Ponce	Manuel	Bechtel Corp	3/5/2012	Yes		3/5/2013
Garcia	Sergio	Bechtel Corp	3/5/2012	Yes		3/5/2013
Maulupu	Art	Bechtel Corp	3/5/2012	Yes		3/5/2013
Kurtze	Michael	Bechtel Corp	3/5/2012	Yes		3/5/2013

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Librockus	Mark	Bechtel Corp	3/5/2012	Yes		3/5/2013
Coper	Jeff	Bechtel Corp	3/5/2012	Yes		3/5/2013
Sample	Robert	Bechtel Corp	3/5/2012	Yes		3/5/2013
Hilliard	David	Bechtel Corp	3/5/2012	Yes		3/5/2013
Bjorken	Bradley	NRG	3/5/2012	Yes		3/5/2013
Thomason	Scott	TLS	3/5/2012	Yes		3/5/2013
Hickey	Mitch	Bechtel Corp	3/5/2012	Yes		3/5/2013
Dean	Christopher	TLS	3/5/2012	Yes		3/5/2013
Martin	Delano	Bechtel Corp	3/7/2012	Yes		3/7/2013
Faolu	Muaau	Bechtel Corp	3/7/2012	Yes		3/7/2013
Aburto	Jose	Bechtel Corp	3/7/2012	Yes		3/7/2013
Maura	Michael	Bechtel Corp	3/7/2012	Yes		3/7/2013
Huseman	Charles	Bechtel Corp	3/7/2012	Yes		3/7/2013
Figeroa	Enrique	Bechtel Corp	3/7/2012	Yes		3/7/2013
Nunez	Juan	Bechtel Corp	3/7/2012	Yes		3/7/2013
Rivera	Justo	Bechtel Corp	3/7/2012	Yes		3/7/2013
Hidalgo	Salvador	Bechtel Corp	3/7/2012	Yes		3/7/2013
Hernandez	Jose	Bechtel Corp	3/7/2012	Yes		3/7/2013
Rico	Miguel	Bechtel Corp	3/7/2012	Yes		3/7/2013
Castillo	Alejandro	Bechtel Corp	3/7/2012	Yes		3/7/2013
Rivera	Alexander	Bechtel Corp	3/7/2012	Yes		3/7/2013
Alvarez	Pedro	Bechtel Corp	3/7/2012	Yes		3/7/2013
Atilano	Ramon	Bechtel Corp	3/7/2012	Yes		3/7/2013
Osterson	Eric	Bechtel Corp	3/7/2012	Yes		3/7/2013
Ramos	Esteban	Bechtel Corp	3/7/2012	Yes		3/7/2013
Cruz Jr	Salvador	Bechtel Corp	3/7/2012	Yes		3/7/2013
Allen	James	Bechtel Corp	3/7/2012	Yes		3/7/2013
Rappaport	Joseph	Bechtel Corp	3/7/2012	Yes		3/7/2013
Viramontes	Jose	Bechtel Corp	3/7/2012	Yes		3/7/2013
Duong	Huan	Bechtel Corp	3/7/2012	Yes		3/7/2013
Perez	Boel	Bechtel Corp	3/7/2012	Yes		3/7/2013
Paulson	Robert	Hydratight	3/7/2012	Yes		3/7/2013
Massengale	John	Hydratight	3/7/2012	Yes		3/7/2013
Durham	Nolan	Bechtel Corp	3/7/2012	Yes		3/7/2013
Holmes Jr	Charles	Bechtel Corp	3/7/2012	Yes		3/7/2013
LeMasters Jr	William	Bechtel Corp	3/7/2012	Yes		3/7/2013
Ruelas	Adan	Bechtel Corp	3/7/2012	Yes		3/7/2013
Castro	Alfonzo	Bechtel Corp	3/7/2012	Yes		3/7/2013
Castro	Loreto	Bechtel Corp	3/7/2012	Yes		3/7/2013
Heaton	Thomas	Bechtel Corp	3/7/2012	Yes		3/7/2013
Thomas	Steven	Bechtel Corp	3/7/2012	Yes		3/7/2013
Whitehead	Jamal	Bechtel Corp	3/7/2012	Yes		3/7/2013
Punch	Yoland	Bechtel Corp	3/7/2012	Yes		3/7/2013
McCulley	William	Bechtel Corp	3/7/2012	Yes		3/7/2013
Barraza	George	Bechtel Corp	3/7/2012	Yes		3/7/2013
Fenning	Eldon	Bechtel Corp	3/7/2012	Yes		3/7/2013
Swain	Eliah	Bechtel Corp	3/7/2012	Yes		3/7/2013
Womack Jr	Che	Bechtel Corp	3/7/2012	Yes		3/7/2013
Gonzalez	Robert	Bechtel Corp	3/7/2012	Yes		3/7/2013
Hernandez	Freddie	Bechtel Corp	3/7/2012	Yes		3/7/2013
Olvera	Luis	Bechtel Corp	3/7/2012	Yes		3/7/2013
Hernandez	Henry	Bechtel Corp	3/7/2012	Yes		3/7/2013
Karas	David	Bechtel Corp	3/7/2012	Yes		3/7/2013
Baca	Albert	Bechtel Corp	3/7/2012	Yes		3/7/2013
Kleian	Margie	Bechtel Corp	3/7/2012	Yes		3/7/2013

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Edmondson	Greg	Bechtel Corp	3/7/2012	Yes		3/7/2013
Barker	Raymond	Bechtel Corp	3/12/2012	Yes		3/12/2013
St. Rose	Dalnglade	Bechtel Corp	3/12/2012	Yes		3/12/2013
Ward	Edmond	Bechtel Corp	3/12/2012	Yes		3/12/2013
Parker	Edwin	Bechtel Corp	3/12/2012	Yes		3/12/2013
Axton	Carrie	Bechtel Corp	3/12/2012	Yes		3/12/2013
Alent	Joseph	Bechtel Corp	3/12/2012	Yes		3/12/2013
Trompler	Fred	Bechtel Corp	3/12/2012	Yes		3/12/2013
Mackinney	Alisha	Bechtel Corp	3/12/2012	Yes		3/12/2013
Fyffe	Mark	Bechtel Corp	3/12/2012	Yes		3/12/2013
Rice	Mark	Bechtel Corp	3/12/2012	Yes		3/12/2013
Thibodeaux	Roy	Bechtel Corp	3/12/2012	Yes		3/12/2013
Shaul	Steven	Bechtel Corp	3/12/2012	Yes		3/12/2013
Dyra	Clint	Bechtel Corp	3/12/2012	Yes		3/12/2013
Pettijohn	Derwent	Bechtel Corp	3/12/2012	Yes		3/12/2013
Parvin	Nathan	Bechtel Corp	3/12/2012	Yes		3/12/2013
Marsteller	Brian	Bechtel Corp	3/12/2012	Yes		3/12/2013
Kobler	Floyd	Bechtel Corp	3/12/2012	Yes		3/12/2013
Stiles	Winston	Bureau Veritas	3/12/2012	Yes		3/12/2013
Kaleikini	Cody	BrightSource Energy	3/12/2012	Yes		3/12/2013
Wallens	Jennifer	BrightSource Energy	3/12/2012	Yes		3/12/2013
Lantz	Chris	Cashman Equipment	3/12/2012	Yes		3/12/2013
Leising	Ed	Niagra Blower	3/12/2012	Yes		3/12/2013
Conn	Patrick	Bechtel Corp	3/12/2012	Yes		3/12/2013
Suwala	John	Niagra Blower	3/12/2012	Yes		3/12/2013
Arrendondo	Eric	Bechtel Corp	3/12/2012	Yes		3/12/2013
Lafam	Anthony	Bechtel Corp	3/12/2012	Yes		3/12/2013
Pollard	Ian	Bechtel Corp	3/12/2012	Yes		3/12/2013
Guerrero	Raul	Bechtel Corp	3/12/2012	Yes		3/12/2013
Silva	Demetrio	Bechtel Corp	3/12/2012	Yes		3/12/2013
Estes	William	Bechtel Corp	3/12/2012	Yes		3/12/2013
Flores	Jauzer	Bechtel Corp	3/12/2012	Yes		3/12/2013
Cherneychuk	Roman	Bechtel Corp	3/12/2012	Yes		3/12/2013
Horn	Harrison	Bechtel Corp	3/12/2012	Yes		3/12/2013
Saenz	Adrian	Bechtel Corp	3/12/2012	Yes		3/12/2013
Bratkou	Alex	Bechtel Corp	3/12/2012	Yes		3/12/2013
Tsinnisinnie	Syrono	Bechtel Corp	3/12/2012	Yes		3/12/2013
Tsinnisinnie	Ivan	Bechtel Corp	3/12/2012	Yes		3/12/2013
Garner	Andrew	Bechtel Corp	3/12/2012	Yes		3/12/2013
Huyos	Daniel	Bechtel Corp	3/12/2012	Yes		3/12/2013
Kaxic	Adam	Bechtel Corp	3/12/2012	Yes		3/12/2013
Abreo Jr	George	Bechtel Corp	3/12/2012	Yes		3/12/2013
Wolff	Patricia	Bechtel Corp	3/19/2012	Yes		3/19/2013
Saber	Peter	Bechtel Corp	3/19/2012	Yes		3/19/2013
Roberrts	Ryan	Bechtel Corp	3/19/2012	Yes		3/19/2013
Oleary	Timothy	Bechtel Corp	3/19/2012	Yes		3/19/2013
Hoover	Richard	Bechtel Corp	3/19/2012	Yes		3/19/2013
Harris	Charles	Bechtel Corp	3/19/2012	Yes		3/19/2013
Dann	Greg	Bechtel Corp	3/19/2012	Yes		3/19/2013
Janetahos	Jason	GE Water	3/19/2012	Yes		3/19/2013
Davenport	Carlon	Bechtel Corp	3/19/2012	Yes		3/19/2013
Williams	Daniel	Bechtel Corp	3/19/2012	Yes		3/19/2013
Lopez	Geronimo	Bechtel Corp	3/19/2012	Yes		3/19/2013
Rosales	Jesse	Bechtel Corp	3/19/2012	Yes		3/19/2013
Loep Jr	Joseph	Bechtel Corp	3/19/2012	Yes		3/19/2013

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Leigh	Joe	NRG	3/19/2012	Yes		3/19/2013
Hovsepian	John	NRG	3/19/2012	Yes		3/19/2013
Brockham	George	Fullmer	3/19/2012	Yes		3/19/2013
Byrd	Reynaldo	Bechtel Corp	3/19/2012	Yes		3/19/2013
Warren	Patrick	Las Vegas Paving	3/19/2012	Yes		3/19/2013
Tanner	Bryan	Mistras Group	3/19/2012	Yes		3/19/2013
Ramey	James	Gen Tech NV	3/19/2012	Yes		3/19/2013
Ruparel	Prashant	Bechtel Corp	3/19/2012	Yes		3/19/2013
Latta	Dwight	Bechtel Corp	3/19/2012	Yes		3/19/2013
Velasco	Donaciam	Bechtel Corp	3/19/2012	Yes		3/19/2013
Burcaw	Dan	Bechtel Corp	3/19/2012	Yes		3/19/2013
Stambaugh	Peter	Bechtel Corp	3/19/2012	Yes		3/19/2013
Corral	Ishmael	Bechtel Corp	3/19/2012	Yes		3/19/2013
Quiroz	Fernando	Bechtel Corp	3/19/2012	Yes		3/19/2013
Brock Jr	John	Bechtel Corp	3/19/2012	Yes		3/19/2013
Mireles	Anthony	Bechtel Corp	3/19/2012	Yes		3/19/2013
Zimmer	Kurt	Bechtel Corp	3/19/2012	Yes		3/19/2013
Whiterock	Jason	Bechtel Corp	3/19/2012	Yes		3/19/2013
Salazar	Daniel	Bechtel Corp	3/19/2012	Yes		3/19/2013
Bernal	Manuel	Bechtel Corp	3/19/2012	Yes		3/19/2013
Hanning	Duane	Bechtel Corp	3/19/2012	Yes		3/19/2013
Lee	Chad	Bechtel Corp	3/19/2012	Yes		3/19/2013
Mitchell	Dennis	Bechtel Corp	3/19/2012	Yes		3/19/2013
Ball	Michael	Bechtel Corp	3/19/2012	Yes		3/19/2013
Sida	Miguel	Bechtel Corp	3/19/2012	Yes		3/19/2013
Pulley	Michael	Bechtel Corp	3/19/2012	Yes		3/19/2013
Ceja	Gamaliel	Bechtel Corp	3/19/2012	Yes		3/19/2013
Lopez	Luis	Bechtel Corp	3/19/2012	Yes		3/19/2013
Sherrell	Therel	Bechtel Corp	3/19/2012	Yes		3/19/2013
Powell	Larry	Bechtel Corp	3/19/2012	Yes		3/19/2013
Moosani	Seyed	Bechtel Corp	3/19/2012	Yes		3/19/2013
Laswell	Bryan	Bechtel Corp	3/19/2012	Yes		3/19/2013
Campbell	Mike	F E Moran	3/19/2012	Yes		3/19/2013
Koepp	John	Bechtel Corp	3/19/2012	Yes		3/19/2013
Orourke	Stephanie	Bechtel Corp	3/19/2012	Yes		3/19/2013
Lanphear	Jason	Bechtel Corp	3/19/2012	Yes		3/19/2013
Boddie	Thomas	Bechtel Corp	3/19/2012	Yes		3/19/2013
Hauser	Chuck	Bechtel Corp	3/19/2012	Yes		3/19/2013
Gleason	Robert	Bechtel Corp	3/19/2012	Yes		3/19/2013
Schaub	Randald	Bechtel Corp	3/19/2012	Yes		3/19/2013
Wheat	Don	Bechtel Corp	3/19/2012	Yes		3/19/2013
Badyur	Olersiy	Bechtel Corp	3/19/2012	Yes		3/19/2013
Miller	Mike	Bechtel Corp	3/19/2012	Yes		3/19/2013
Cannon	Jimmy'	Bechtel Corp	3/19/2012	Yes		3/19/2013
Miramontes	Luis	Bechtel Corp	3/19/2012	Yes		3/19/2013
Oefinger	Joe	Bechtel Corp	3/19/2012	Yes		3/19/2013
Hutchinson	Wesley	Bechtel Corp	3/21/2012	Yes		3/21/2013
Baker	Randald	Bechtel Corp	3/21/2012	Yes		3/21/2013
Rodriguez	Dustin	Bechtel Corp	3/21/2012	Yes		3/21/2013
Robles	Manuel	Bechtel Corp	3/21/2012	Yes		3/21/2013
Kaderber	Robert	Bechtel Corp	3/21/2012	Yes		3/21/2013
Borja	Mark	Bechtel Corp	3/21/2012	Yes		3/21/2013
Clark	Jonathan	Bechtel Corp	3/21/2012	Yes		3/21/2013
Bailey	James	Bechtel Corp	3/21/2012	Yes		3/21/2013
Falk	Ryan	Bechtel Corp	3/21/2012	Yes		3/21/2013

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Dennison	Ernest	Bechtel Corp	3/21/2012	Yes		3/21/2013
Brady	Mike	Bechtel Corp	3/21/2012	Yes		3/21/2013
Marshall	Richard	Bechtel Corp	3/21/2012	Yes		3/21/2013
Lopez	Michael	Bechtel Corp	3/21/2012	Yes		3/21/2013
Modell	Mark	Bechtel Corp	3/21/2012	Yes		3/21/2013
Jenning	Jeff	Bechtel Corp	3/21/2012	Yes		3/21/2013
Smith	Roger	Bechtel Corp	3/21/2012	Yes		3/21/2013
Bowman	Scott	Bechtel Corp	3/21/2012	Yes		3/21/2013
Medrano	Art	Bechtel Corp	3/21/2012	Yes		3/21/2013
Wolcott	Ken	Bechtel Corp	3/21/2012	Yes		3/21/2013
Gonzalez	Liborio	Bechtel Corp	3/21/2012	Yes		3/21/2013
Espinoza	Miguel	Bechtel Corp	3/21/2012	Yes		3/21/2013
Wallace	Jesus	Bechtel Corp	3/21/2012	Yes		3/21/2013
Cisneros	Raymond	Bechtel Corp	3/21/2012	Yes		3/21/2013
Gutierrez	David	Bechtel Corp	3/21/2012	Yes		3/21/2013
Palmore	Thomas	Bechtel Corp	3/21/2012	Yes		3/21/2013
Risner	Travis	Bechtel Corp	3/21/2012	Yes		3/21/2013
Duennerman	Brett	Bechtel Corp	3/21/2012	Yes		3/21/2013
Oropeza	Cirilo	Bechtel Corp	3/21/2012	Yes		3/21/2013
Duarte	Eric	Bechtel Corp	3/21/2012	Yes		3/21/2013
Alostu	Ricardo	Bechtel Corp	3/21/2012	Yes		3/21/2013
Gaubaaka	Dan	Bechtel Corp	3/21/2012	Yes		3/21/2013
Law Jr	Howard	Bechtel Corp	3/21/2012	Yes		3/21/2013
McCafferty	Dave	Bechtel Corp	3/21/2012	Yes		3/21/2013
Cerchini	Anthony	Bechtel Corp	3/21/2012	Yes		3/21/2013
Mellinger	Kevin	Bechtel Corp	3/21/2012	Yes		3/21/2013
Rister	Aaron	Bechtel Corp	3/21/2012	Yes		3/21/2013
Avaneszadeh	Gargin	Bechtel Corp	3/26/2012	Yes		3/26/2013
Garcia	Edi	Bechtel Corp	3/26/2012	Yes		3/26/2013
Prock	Nichelle	Bechtel Corp	3/26/2012	Yes		3/26/2013
Crai	Bryan	Bechtel Corp	3/26/2012	Yes		3/26/2013
Christensen	James	Bechtel Corp	3/26/2012	Yes		3/26/2013
Lopez	Raul	Bechtel Corp	3/26/2012	Yes		3/26/2013
Klein	Mike	Bechtel Corp	3/26/2012	Yes		3/26/2013
Benavides	Nahthan	Bechtel Corp	3/26/2012	Yes		3/26/2013
Jiminez	Jose	Bechtel Corp	3/26/2012	Yes		3/26/2013
King	Robert	Bechtel Corp	3/26/2012	Yes		3/26/2013
Gordon	Steven	Bechtel Corp	3/26/2012	Yes		3/26/2013
Underwood	Ron	Bechtel Corp	3/26/2012	Yes		3/26/2013
Paul	Rick	Bechtel Corp	3/26/2012	Yes		3/26/2013
Barney	Paul	Bechtel Corp	3/26/2012	Yes		3/26/2013
Williams	Donald	Bechtel Corp	3/26/2012	Yes		3/26/2013
Maddox	Russell	Bechtel Corp	3/26/2012	Yes		3/26/2013
King	Randy	Bechtel Corp	3/26/2012	Yes		3/26/2013
Lopez	Nick	Bechtel Corp	3/26/2012	Yes		3/26/2013
Conner	Nick	Bechtel Corp	3/26/2012	Yes		3/26/2013
Mathias	Greg	Bechtel Corp	3/26/2012	Yes		3/26/2013
Baycura	Johann	Bechtel Corp	3/26/2012	Yes		3/26/2013
Ortega	Fernando	Bechtel Corp	3/26/2012	Yes		3/26/2013
Spahn	Jordan	Bechtel Corp	3/26/2012	Yes		3/26/2013
Hunter	Baron	Bechtel Corp	3/26/2012	Yes		3/26/2013
Forshaw	Jeremy	Bechtel Corp	3/26/2012	Yes		3/26/2013
Olivas	Manuel	Bechtel Corp	3/26/2012	Yes		3/26/2013
Medina	Cruz	Bechtel Corp	3/26/2012	Yes		3/26/2013
Acosta	Albert	Bechtel Corp	3/26/2012	Yes		3/26/2013

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Hussain	Wisam	Hydratight	3/26/2012	Yes		3/26/2013
Davis	Donald	Bechtel Corp	3/26/2012	Yes		3/26/2013
Quezada	Ray	Bechtel Corp	3/26/2012	Yes		3/26/2013
Houston	Matthew	Bechtel Corp	3/26/2012	Yes		3/26/2013
Lee	Brian	Bechtel Corp	3/26/2012	Yes		3/26/2013
Pate	Ronnie	Bechtel Corp	3/26/2012	Yes		3/26/2013
Burke	Jon	Insulogrand	3/26/2012	Yes		3/26/2013
Dickson	Peter	So Cal Insulation	3/26/2012	Yes		3/26/2013
Spivey	Terry	Bechtel Corp	3/26/2012	Yes		3/26/2013
Blackston	James	Bechtel Corp	3/26/2012	Yes		3/26/2013
Hawkins	Michael	Bechtel Corp	3/26/2012	Yes		3/26/2013
Romero	Jose	Bechtel Corp	3/26/2012	Yes		3/26/2013
Montgomery	Ryan	Bechtel Corp	3/26/2012	Yes		3/26/2013
Salazar	Rene	Bechtel Corp	3/26/2012	Yes		3/26/2013
Hernandez	Juan	Bechtel Corp	3/26/2012	Yes		3/26/2013
Borton	Robert	Crown Fence	3/26/2012	Yes		3/26/2013
England	Travis	Bechtel Corp	3/26/2012	Yes		3/26/2013
Popsa	Mihai	Bechtel Corp	3/26/2012	Yes		3/26/2013
Sanchez	Alex	Bechtel Corp	3/26/2012	Yes		3/26/2013
Downs	Brian	Bechtel Corp	3/26/2012	Yes		3/26/2013
Zimmer	David	Rain for Rent	3/26/2012	Yes		3/26/2013
Salcedo	Victor	Gerb	3/26/2012	Yes		3/26/2013
Weissfeld	Ralf	Gerb	3/26/2012	Yes		3/26/2013
Barney	Paul	Bechtel Corp	3/26/2012	Yes		3/26/2013
Castro	Victor	Bechtel Corp	3/28/2012	Yes		3/28/2013
Gandara	Robert	Superior Wall	3/28/2012	Yes		3/28/2013
Standley	John	Superior Wall	3/28/2012	Yes		3/28/2013
Freedman	Sam	Bechtel Corp	3/28/2012	Yes		3/28/2013
McDaniel	Keith	Bechtel Corp	3/28/2012	Yes		3/28/2013
Howland	Aaron	Bechtel Corp	3/28/2012	Yes		3/28/2013
Cavnah	David	Bechtel Corp	3/28/2012	Yes		3/28/2013
Bartley	Kent	Bechtel Corp	3/28/2012	Yes		3/28/2013
Grates	David	Bechtel Corp	3/28/2012	Yes		3/28/2013
Schaeffer	Todd	Bechtel Corp	3/28/2012	Yes		3/28/2013
Lopez III	Arturo	Bechtel Corp	3/28/2012	Yes		3/28/2013
Sample	Davie	Bechtel Corp	3/28/2012	Yes		3/28/2013
Lannino	Michael	Bechtel Corp	3/28/2012	Yes		3/28/2013
Bell	Greg	Bechtel Corp	3/28/2012	Yes		3/28/2013
Urso	Frank	Bechtel Corp	3/28/2012	Yes		3/28/2013
Ochoa	Guillermo	Bechtel Corp	3/28/2012	Yes		3/28/2013
Muldan	John	Bechtel Corp	3/28/2012	Yes		3/28/2013
Duran	Carlos	Bechtel Corp	3/28/2012	Yes		3/28/2013
Smith	Ellwood	Bechtel Corp	3/28/2012	Yes		3/28/2013
Corley	Kenneth	Bechtel Corp	3/28/2012	Yes		3/28/2013
Prater	Kirk	Bechtel Corp	3/28/2012	Yes		3/28/2013
Swick II	Stuart	Bechtel Corp	3/28/2012	Yes		3/28/2013
Eupaue	Samuel	Bechtel Corp	3/28/2012	Yes		3/28/2013
Arroyo	Gonzalo	Bechtel Corp	3/28/2012	Yes		3/28/2013
Kovach	June	Bechtel Corp	3/28/2012	Yes		3/28/2013
Edwards	Jeff	Bechtel Corp	3/28/2012	Yes		3/28/2013
Ware	Edward	102577	4/2/2012	Yes		4/2/2013
Hornsby	Cole	Gregg Electric	4/2/2012	Yes		4/2/2013
Begay	Gary	102856	4/2/2012	Yes		4/2/2013
Manning	Jeremy	Reb Corst	4/2/2012	Yes		4/2/2013
Johannson	Lennard	Siemens	4/2/2012	Yes		4/2/2013

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Ross	Ken	Clyde Union Pumps	4/2/2012	Yes		4/2/2013
Gomez	Larry P.	Bechtel Corp	4/2/2012	Yes		4/2/2013
Montes dela?	Fransisco E.	102620	4/2/2012	Yes		4/2/2013
Binckley	Thomas	102616	4/2/2012	Yes		4/2/2013
Cates	Roger	Hampton Tedder	4/2/2012	Yes		4/2/2013
Parent	Shawn	102584	4/2/2012	Yes		4/2/2013
Valdez	Shawn	102534	4/2/2012	Yes		4/2/2013
Rosenbaum	Jim	102574	4/2/2012	Yes		4/2/2013
Kleine	Jeffrey	102615	4/2/2012	Yes		4/2/2013
Ware	Fred	100687	4/2/2012	Yes		4/2/2013
Cowly	Daniel T. Jr.	102592	4/2/2012	Yes		4/2/2013
Williams	Reginald	102614	4/2/2012	Yes		4/2/2013
Faoliu	Jacob	102588	4/2/2012	Yes		4/2/2013
Smith	Jeffrey	102576	4/2/2012	Yes		4/2/2013
Grana	Thomas	102603	4/2/2012	Yes		4/2/2013
Jaworowski	John	102612	4/2/2012	Yes		4/2/2013
O'Neal	Matthew	102621	4/2/2012	Yes		4/2/2013
Maki	Mark	102617	4/2/2012	Yes		4/2/2013
Barrientos	Jonathan	Bechtel Corp	4/2/2012	Yes		4/2/2013
Denninger	Dustin	102619	4/2/2012	Yes		4/2/2013
Pechinko	Charles W.	102606	4/2/2012	Yes		4/2/2013
Duenas	Homero S.	102556	4/2/2012	Yes		4/2/2013
Thaxton	Fred	102618	4/2/2012	Yes		4/2/2013
Gebreeresus	Yoseph	Hampton Tedder	4/2/2012	Yes		4/2/2013
Ceballos	Walter	Hampton Tedder	4/2/2012	Yes		4/2/2013
Velazquez	Cruz	Hampton Tedder	4/2/2012	Yes		4/2/2013
Wentland	Mad	Hampton Tedder	4/2/2012	Yes		4/2/2013
Cronk	Chad	102580	4/2/2012	Yes		4/2/2013
Angelo	Derek	102571	4/2/2012	Yes		4/2/2013
Westover	Wyatt E.	102582	4/2/2012	Yes		4/2/2013
Bigthumb	Thomas	102599	4/2/2012	Yes		4/2/2013
Amendola	Nathan J.	102575	4/2/2012	Yes		4/2/2013
Brownell	B	102609	4/2/2012	Yes		4/2/2013
Pidgeon	John Paul	102608	4/2/2012	Yes		4/2/2013
Tapie	Jarrett	102593	4/2/2012	Yes		4/2/2013
Subin	Renato A.	102607	4/2/2012	Yes		4/2/2013
Deapierro	Mark	102595	4/2/2012	Yes		4/2/2013
Cervantes	Martin	102594	4/2/2012	Yes		4/2/2013
Gonzalez	Jose L.	102589	4/2/2012	Yes		4/2/2013
Banmann	Kevin B.	Bechtel Corp	4/2/2012	Yes		4/2/2013
Moae?	Michael	102601	4/2/2012	Yes		4/2/2013
Powell	Dwayne	Reb Corst	4/2/2012	Yes		4/2/2013
Moore	Curns	102591	4/2/2012	Yes		4/2/2013
Lilii	Jonah	102590	4/2/2012	Yes		4/2/2013
Hanna	Jeremy	Integrated Mechanical	4/2/2012	Yes		4/2/2013
Behnke	Aaron	102597	4/2/2012	Yes		4/2/2013
Hubbard	Virgil	102579	4/2/2012	Yes		4/2/2013
Iniguez	Alfredo	102583	4/2/2012	Yes		4/2/2013
Walley	Benjamin	Bechtel Corp	4/2/2012	Yes		4/2/2013
Ozona	Christian	Fullmore	4/2/2012	Yes		4/2/2013
Valdez	Albert R.	Fullmer/P.A.W.	4/2/2012	Yes		4/2/2013
Massourrs	Gary R.	102572	4/2/2012	Yes		4/2/2013
Carrato	Peter	250219	4/2/2012	Yes		4/2/2013
Campolattaro	Robert	102581	4/2/2012	Yes		4/2/2013
Bundy	Christopher J.	102596	4/2/2012	Yes		4/2/2013

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Silcox	Richard	Peerless Pump	4/2/2012	Yes		4/2/2013
Potratz	Michael	102611	4/2/2012	Yes		4/2/2013
Leon	Mario L.	102610	4/2/2012	Yes		4/2/2013
Hou	Kim	102578	4/2/2012	Yes		4/2/2013
Blair	Terril	102573	4/2/2012	Yes		4/2/2013
Moreno	Amado	UFC	4/2/2012	Yes		4/2/2013
Moreno	Amado JR.	UFC	4/2/2012	Yes		4/2/2013
Shawn	Reis	NRG	4/2/2012	Yes		4/2/2013
Carter	Jeffrey	NRG	4/2/2012	Yes		4/2/2013
Kirkman	David	Bechtel Corp	4/2/2012	Yes		4/2/2013
Cline	Anna	Bechtel Corp	4/2/2012	Yes		4/2/2013
Posey	James W. Jr.	102605	4/2/2012	Yes		4/2/2013
Whitacre	Robert	102604	4/2/2012	Yes		4/2/2013
Altman	Richard	102598	4/2/2012	Yes		4/2/2013
Kolya	Perine	Secutair	4/2/2012	Yes		4/2/2013
Ferrusca	Julio	102570	4/2/2012	Yes		4/2/2013
Sanders	Aaron	Bechtel Corp	4/9/2012	Yes		4/9/2013
Rodriguez	Ronald	Bechtel Corp	4/9/2012	Yes		4/9/2013
Daugherty	Bryan	Bechtel 102658	4/9/2012	Yes		4/9/2013
Roberts	Timothy	Bechtel 102652	4/9/2012	Yes		4/9/2013
Ettleman	Robert	102666	4/9/2012	Yes		4/9/2013
Voyles	Terry	102667	4/9/2012	Yes		4/9/2013
Kirkland	Steven	Bechtel 102651	4/9/2012	Yes		4/9/2013
Mcdermed	Steven	Bechtel 10267	4/9/2012	Yes		4/9/2013
Larkin	Steven	Bechtel	4/9/2012	Yes		4/9/2013
Shaw	Jeremy	Bechtel	4/9/2012	Yes		4/9/2013
Ledbetten	Scott	Bechtel	4/9/2012	Yes		4/9/2013
Thorson	Rick	Bechtel	4/9/2012	Yes		4/9/2013
Russell	Keith	Bechtel	4/9/2012	Yes		4/9/2013
Meryn?	John	Bechtel	4/9/2012	Yes		4/9/2013
Raya	Ryan	Bechtel	4/9/2012	Yes		4/9/2013
Bogrick	Daniel	Bechtel	4/9/2012	Yes		4/9/2013
Bratkov	Vladimir	Bechtel 101316	4/9/2012	Yes		4/9/2013
Poljakov	Pavel	Bechtel 102234	4/9/2012	Yes		4/9/2013
Yazzie	Shane	Bechtel 102663	4/9/2012	Yes		4/9/2013
Barton	Joe	FE Moran	4/9/2012	Yes		4/9/2013
Pille	Greg	Electric Corp. of America	4/9/2012	Yes		4/9/2013
Martin	Almira	NRG	4/9/2012	Yes		4/9/2013
Johnson	Steve	Superior	4/9/2012	Yes		4/9/2013
Koonce	Jeremy A.	Bechtel	4/9/2012	Yes		4/9/2013
Pers	Fransisco	Superior	4/9/2012	Yes		4/9/2013
Follick	Trevor	Bechtel	4/9/2012	Yes		4/9/2013
Brown	Johnny	102650	4/9/2012	Yes		4/9/2013
Conners	Billie Joe	102662	4/9/2012	Yes		4/9/2013
Kirkes	Brad	102643	4/9/2012	Yes		4/9/2013
Phillip	Peter	102665	4/9/2012	Yes		4/9/2013
Rexwinkel	Stephanie	102672	4/9/2012	Yes		4/9/2013
Carroll	Melvin	102602	4/9/2012	Yes		4/9/2013
Romo	Nathan	102649	4/9/2012	Yes		4/9/2013
Correa	Jim	102648	4/9/2012	Yes		4/9/2013
Pourciau	Danny	102655	4/9/2012	Yes		4/9/2013
McShane	Tim	102669	4/9/2012	Yes		4/9/2013
McMahan	michael	12657	4/9/2012	Yes		4/9/2013
Ramirez	Gilbert	102668	4/9/2012	Yes		4/9/2013
Michel	Stephen J.	bechtel	4/9/2012	Yes		4/9/2013

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Stumpf	John	Az Gentech	4/9/2012	Yes		4/9/2013
Little	Tim	Bechtel	4/9/2012	Yes		4/9/2013
Furniiss	Dave	102644	4/9/2012	Yes		4/9/2013
Colmenero	Dean	102671	4/9/2012	Yes		4/9/2013
Curiel	Juan	102656	4/9/2012	Yes		4/9/2013
Dalton	Kyle	102646	4/9/2012	Yes		4/9/2013
DeClue	Ronald	Gregg Electric	4/16/2012	Yes		4/16/2013
Napiorski	Richard	Gregg Electric	4/16/2012	Yes		4/16/2013
Jaloul	Ali	Gregg Electric	4/16/2012	Yes		4/16/2013
Peno	Arehano	SCI	4/16/2012	Yes		4/16/2013
Garcia	Victor Gomez	SCI	4/16/2012	Yes		4/16/2013
Gloudeman	David	Gregg Electric	4/16/2012	Yes		4/16/2013
Hernandez	Jonathan	none	4/16/2012	Yes		4/16/2013
Castillo	Robert	Fullmer	4/16/2012	Yes		4/16/2013
Mondragon	Rufino	Fullmer	4/16/2012	Yes		4/16/2013
Smith	Mike	Bechtel	4/16/2012	Yes		4/16/2013
Shosted	Steve	Bechtel	4/16/2012	Yes		4/16/2013
Lee	Austin	Bechtel	4/16/2012	Yes		4/16/2013
Hernandez	Hector G.	Bechtel	4/16/2012	Yes		4/16/2013
Howard	Clarence	Bechtel	4/16/2012	Yes		4/16/2013
Olsen	Dale R.	BSE	4/16/2012	Yes		4/16/2013
Altman	Richard	Bechtle	4/16/2012	Yes		4/16/2013
Bell	Thomas D.	Bechtel	4/16/2012	Yes		4/16/2013
Holness	Michael	Bechtel	4/16/2012	Yes		4/16/2013
Chavez	Henry	Bechtel	4/16/2012	Yes		4/16/2013
Partin	Jeffrey	Bechtel	4/16/2012	Yes		4/16/2013
Cigainero	Len	NRG	4/16/2012	Yes		4/16/2013
Williams	Joseph	NRG	4/16/2012	Yes		4/16/2013
Bray	Twana Jill	Bechtel	4/16/2012	Yes		4/16/2013
St. Pierre	Chris	Cushman	4/16/2012	Yes		4/16/2013
Rolfson	Taylor	102701	4/16/2012	Yes		4/16/2013
Cox	Dale	102700	4/16/2012	Yes		4/16/2013
Bonner	Justin W.	102706	4/16/2012	Yes		4/16/2013
Woods	Nathan	102691	4/16/2012	Yes		4/16/2013
Vernon	Fred	102705	4/16/2012	Yes		4/16/2013
McGraw	John	102698	4/16/2012	Yes		4/16/2013
OBryan	Michael	102600	4/16/2012	Yes		4/16/2013
Pooler	Patrick	102690	4/16/2012	Yes		4/16/2013
Rodriguez	Jesse	102699	4/16/2012	Yes		4/16/2013
Lee	Darrell	102702	4/16/2012	Yes		4/16/2013
Desibeck	Jacob	102689	4/16/2012	Yes		4/16/2013
Atwood	Jerry	102714	4/16/2012	Yes		4/16/2013
Jeffries	Carl	102717	4/16/2012	Yes		4/16/2013
Schultz	Andrea	102716	4/16/2012	Yes		4/16/2013
Buma	Robert	102707	4/16/2012	Yes		4/16/2013
Haney	Colby	102674	4/16/2012	Yes		4/16/2013
Knollhuff	Timothy S.	102704	4/16/2012	Yes		4/16/2013
Hamilton	Jeffrey	102703	4/16/2012	Yes		4/16/2013
Jackson	Neil B.	102696	4/16/2012	Yes		4/16/2013
Sinha	Swapan	173700	4/16/2012	Yes		4/16/2013
Mullins	Jim L.	none	4/16/2012	Yes		4/16/2013
Paez	Pablo	172604	4/16/2012	Yes		4/16/2013
Brown	Kirby	Cashman Equipment	4/16/2012	Yes		4/16/2013
Cano	Hector	Bechtel	4/16/2012	Yes		4/16/2013
Robinson	Orlando	Bechtel 102786	4/23/2012	Yes		4/23/2013

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Brosius	Jason	102769	4/23/2012	Yes		4/23/2013
Delcoure	Thomas	Bechtel 102792	4/23/2012	Yes		4/23/2013
Kruczynski	Rick	102766	4/23/2012	Yes		4/23/2013
Delgado	Salvador	Bechtel 102757	4/23/2012	Yes		4/23/2013
Eddington	Ray	Bechtel 102775	4/23/2012	Yes		4/23/2013
Jansen	Andreas	PF 102760	4/23/2012	Yes		4/23/2013
Wood	John M.	Bechtel	4/23/2012	Yes		4/23/2013
Barrerra	Marvin	PF102758	4/23/2012	Yes		4/23/2013
Bennett	Michael	Bechtel 102783	4/23/2012	Yes		4/23/2013
Flaathen	William	Bechtel 102755	4/23/2012	Yes		4/23/2013
Ewing	Stephan	Bechtel 102774	4/23/2012	Yes		4/23/2013
Holmes	Antoinne	Bechtel 102777	4/23/2012	Yes		4/23/2013
Haines	Josh	Bechtel 102781	4/23/2012	Yes		4/23/2013
Johansen	Marty	Bechtel 102776	4/23/2012	Yes		4/23/2013
McLuckie	Paul	Bechtel 102790	4/23/2012	Yes		4/23/2013
Mull	Paul	Bechtel 102762	4/23/2012	Yes		4/23/2013
Newsom	Everett	Bechtel 102791	4/23/2012	Yes		4/23/2013
Masters	Cole	NRG	4/23/2012	Yes		4/23/2013
Farried	David	NRG	4/23/2012	Yes		4/23/2013
Treadwell	James	NRG	4/23/2012	Yes		4/23/2013
Kincaid	Patrick	NRG	4/23/2012	Yes		4/23/2013
Ostrander	Cliff	NRG	4/23/2012	Yes		4/23/2013
Bentley	Jim	Bechtel 102768	4/23/2012	Yes		4/23/2013
Dee	Roy G,	Bechtel	4/23/2012	Yes		4/23/2013
Josley	Christopher	Bechtel 102739	4/23/2012	Yes		4/23/2013
Scott	Alex	Bechtel 102740	4/23/2012	Yes		4/23/2013
Rivas	Henry	Bechtel 102778	4/23/2012	Yes		4/23/2013
Cloud Hughes	Michelle	Self	4/23/2012	Yes		4/23/2013
Singh	Okar	CH2Mhill/CBC	4/23/2012	Yes		4/23/2013
Mariani	Roy	Bechtel	4/23/2012	Yes		4/23/2013
Johnson	Troy D.	Bechtel	4/23/2012	Yes		4/23/2013
Sarver	Donald Jr	Bechtel 102785	4/23/2012	Yes		4/23/2013
Blake	Daniel	Bechtel 102753	4/23/2012	Yes		4/23/2013
Villa	Frank H	Bechtel 102779	4/23/2012	Yes		4/23/2013
Engelhart	Eric	Bechtel	4/23/2012	Yes		4/23/2013
Bejines	Frank	Bechtel	4/23/2012	Yes		4/23/2013
Mendoza	Edwin	Behctel 102751	4/23/2012	Yes		4/23/2013
Hebert	Dalton	Bechtel	4/23/2012	Yes		4/23/2013
Bonham	Timothy	Bechtel	4/23/2012	Yes		4/23/2013
Walker	Tarite	Bechtel102772	4/23/2012	Yes		4/23/2013
William	Steve	Bechtel 102749	4/23/2012	Yes		4/23/2013
Chancellor	Jason	Bechtel 102748	4/23/2012	Yes		4/23/2013
Stuart	Michael	Custom arc	4/23/2012	Yes		4/23/2013
James	Alfred	Bechtel	4/23/2012	Yes		4/23/2013
Beck	Daryl	Fullmer	4/23/2012	Yes		4/23/2013
Sulla	Anthony	Bechtel 102780	4/23/2012	Yes		4/23/2013
Cox	David	Bechtel	4/23/2012	Yes		4/23/2013
Velasquez	Rick	Bechtel	4/23/2012	Yes		4/23/2013
Flores	Mark S.	Bechtel	4/23/2012	Yes		4/23/2013
Utter	josh	CH2MHill	4/23/2012	Yes		4/23/2013
Garrett	Maurice	Bechtel 102756	4/23/2012	Yes		4/23/2013
Pogorzelski	Chris	Bechtel 102754	4/23/2012	Yes		4/23/2013
Clark	William	Ch2mhill	4/23/2012	Yes		4/23/2013
Hill	Guy	Bechtel 102761	4/23/2012	Yes		4/23/2013
Mathers	John	Crown fence	4/23/2012	Yes		4/23/2013

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Westerberg	Jason	Hydratight	4/23/2012	Yes		4/23/2013
Medlin	Chris	Bechtel 102784	4/23/2012	Yes		4/23/2013
Rink	Glenn	self/SP	4/23/2012	Yes		4/23/2013
Baker	Marc	self/SP	4/23/2012	Yes		4/23/2013
Long	Edward	Bechtel	4/23/2012	Yes		4/23/2013
Thomson	William	CLYDE UNION	4/23/2012	Yes		4/23/2013
Kline	Anthony	Bright Source	4/23/2012	Yes		4/23/2013
McGehee	Mike	Elemental Energy	4/23/2012	Yes		4/23/2013
Wolfgang	Rick	Bechtel Home Office	4/23/2012	Yes		4/23/2013
Walter	Terry	Goedecke	4/23/2012	Yes		4/23/2013
Barnard	Brian	Goedecke	4/23/2012	Yes		4/23/2013
Martinez	Cisco	Goedecke	4/23/2012	Yes		4/23/2013
Wright	Patrick	Goedecke	4/23/2012	Yes		4/23/2013
Yamar	Mohamad	Elemetal Energy	4/30/2012	Yes		4/30/2013
Nelson	Peter	Elemental Energy	4/30/2012	Yes		4/30/2013
Babcock	Darin	107848	4/30/2012	Yes		4/30/2013
Peretti	Mike	102847	4/30/2012	Yes		4/30/2013
Hudson	Delam	Elemental Energy	4/30/2012	Yes		4/30/2013
Villegas	Randy	102826	4/30/2012	Yes		4/30/2013
Hansen	Thomas	Elemental Energy	4/30/2012	Yes		4/30/2013
Smith	Robert	102845	4/30/2012	Yes		4/30/2013
Averman	Keith	Bechtel	4/30/2012	Yes		4/30/2013
Morgan	Conrad	Bechtel 102819	4/30/2012	Yes		4/30/2013
Lituinenkp	Yuri Y.	102812	4/30/2012	Yes		4/30/2013
Keparaov	Mikhail	Bechtel	4/30/2012	Yes		4/30/2013
Lacap	Reynaldo	Bechtel	4/30/2012	Yes		4/30/2013
Zakosky	James	bechtel	4/30/2012	Yes		4/30/2013
Byrd	Charles W.	Bechtel 102827	4/30/2012	Yes		4/30/2013
Marvel	Marco	Bechtel 102852	4/30/2012	Yes		4/30/2013
Cernates	Cesar	Bechtel 102820	4/30/2012	Yes		4/30/2013
Llamas	Ignacio	Bechtel 102829	4/30/2012	Yes		4/30/2013
Mataroui	Mike	Bechtel	4/30/2012	Yes		4/30/2013
Aumann	Patrick	Elemental Energy	4/30/2012	Yes		4/30/2013
Marcum	Terry	Bechtel	4/30/2012	Yes		4/30/2013
Delagarza	Eugene J,	Bechtel	4/30/2012	Yes		4/30/2013
Haller	Roger	Bechtel	4/30/2012	Yes		4/30/2013
Manygoats	Danielle	Bechtel	4/30/2012	Yes		4/30/2013
Centero	Marcos	Bechtel	4/30/2012	Yes		4/30/2013
Torres	Alexander	Bechtel 102828	4/30/2012	Yes		4/30/2013
Pino	Freddel	Elemental Energy	4/30/2012	Yes		4/30/2013
Ward	Jody	Bechtel	Bechtel	Yes		4/30/2013
Gordon	Conrad	Bechtel	4/30/2012	Yes		4/30/2013
Cole	David	Fullmen	4/30/2012	Yes		4/30/2013
Kienenberger	Brian	Behctel 102842	4/30/2012	Yes		4/30/2013
Bergan	Robert	102837	4/30/2012	Yes		4/30/2013
Westbrook	John	Custom arc	4/30/2012	Yes		4/30/2013
Fowlkes	John	102844	4/30/2012	Yes		4/30/2013
Babu	Shankara	NRG	4/30/2012	Yes		4/30/2013
Hundshoe	Keith	Custom arc	4/30/2012	Yes		4/30/2013
Boan	Ricky	Custom arc	4/30/2012	Yes		4/30/2013
Culkin	Jason	Bechtel	4/30/2012	Yes		4/30/2013
Watson	John	Behctel 101399	4/30/2012	Yes		4/30/2013
Pavliscak	Laura	self/solar partners bio	4/30/2012	Yes		4/30/2013
Fox	Steven	Bechtel 102841	4/30/2012	Yes		4/30/2013
Tejido	Melchor	Elemental Energy	4/30/2012	Yes		4/30/2013

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Fuaijo	Samuel D.	Bechtel	4/30/2012	Yes		4/30/2013
Roper	Chris	Custom arc	4/30/2012	Yes		4/30/2013
Wilcox	Tamerin	Bechtel	4/30/2012	Yes		4/30/2013
Helmers	Austin	Elemental Energy	4/30/2012	Yes		4/30/2013
Ackerman	Douglas	Elemental Energy	4/30/2012	Yes		4/30/2013
Anderson	Homer	Bechtel	4/30/2012	Yes		4/30/2013
Bocage	Carl	Behctel	4/30/2012	Yes		4/30/2013
Briggs	Anthony	Behctel	4/30/2012	Yes		4/30/2013
Moody	Jake	Bechtel	4/30/2012	Yes		4/30/2013
Drotenko	Aleksey	Bechtel	4/30/2012	Yes		4/30/2013
Snyder	Michael	Bureau Veritas	4/30/2012	Yes		4/30/2013
Heggie	Kevin	Bechtel	4/30/2012	Yes		4/30/2013
Lilly	David	Bechtel	4/30/2012	Yes		4/30/2013
Welker	Brian	Bechtel 102831	4/30/2012	Yes		4/30/2013
Clemens	Joseph	Custom arc	4/30/2012	Yes		4/30/2013
Burkhart	Lisa	Bechtel/Talescend	4/30/2012	Yes		4/30/2013
Bryson	Sarah	Bechtel	4/30/2012	Yes		4/30/2013
Blackman	Richard	NRG	4/30/2012	Yes		4/30/2013
Velasco	Gerlad	Bechtel/ 102787	4/30/2012	Yes		4/30/2013
Figuereo	David	Bechtel 102839	4/30/2012	Yes		4/30/2013
Lozano	Victor	Bechtel/ 102851	4/30/2012	Yes		4/30/2013
ANDERSON	JAMES	BECHTEL	5/2/2012	Yes		5/2/2013
CAGIN	JUNIOR	BECHTEL	5/2/2012	Yes		5/2/2013
MILIAN	CARLOS A.	BECHTEL	5/2/2012	Yes		5/2/2013
RICH	CHARLES	BECHTEL	5/2/2012	Yes		5/2/2013
BLAKE	RUSSELL	BECHTEL	5/2/2012	Yes		5/2/2013
OLSEN	ROBERT	BECHTEL	5/2/2012	Yes		5/2/2013
VILLEGAS	ALONZO	BECHTEL	5/2/2012	Yes		5/2/2013
CERVANTES	CEASAR	BECHTEL	5/2/2012	Yes		5/2/2013
THOMAS	MAURICE	BECHTEL	5/2/2012	Yes		5/2/2013
FELIX	FRANKLIN	BECHTEL	5/2/2012	Yes		5/2/2013
MIRANDA	LUIS	BECHTEL	5/2/2012	Yes		5/2/2013
LLAMAS	IGNACIO	BECHTEL	5/2/2012	Yes		5/2/2013
MURILLO	HELIOS	BECHTEL	5/2/2012	Yes		5/2/2013
MURILLO	RICHARD	BECHTEL	5/2/2012	Yes		5/2/2013
CASPER	CHARLES	BECHTEL	5/2/2012	Yes		5/2/2013
RAMIREZ	ESTEBAN	BECHTEL	5/2/2012	Yes		5/2/2013
GARCIA	MARCOS	BECHTEL	5/2/2012	Yes		5/2/2013
ROERTSON	JOE	BECHTEL	5/2/2012	Yes		5/2/2013
MERLO	BRETT	BECHTEL	5/2/2012	Yes		5/2/2013
SACAY	ROLANDO	BECHTEL	5/2/2012	Yes		5/2/2013
VOGEL	TOM	BECHTEL	5/2/2012	Yes		5/2/2013
PEREZ	TYLER	BECHTEL	5/2/2012	Yes		5/2/2013
COLEMAN	DERRICK	BECHTEL	5/2/2012	Yes		5/2/2013
Garrett	DAVE	BECHTEL	5/2/2012	Yes		5/2/2013
BRONOWICZ	Freddel	BECHTEL	5/2/2012	Yes		5/2/2013
DERELY	Mike	BECHTEL	5/2/2012	Yes		5/2/2013
SMITH	RAY	BECHTEL	5/2/2012	Yes		5/2/2013
BROWN	DAVID	BECHTEL	5/2/2012	Yes		5/2/2013
WILLIAMS	PRENTICE	BECHTEL	5/2/2012	Yes		5/2/2013
MORGAN	JOHN	BECHTEL	5/2/2012	Yes		5/2/2013
REED	ERIC	BECHTEL	5/7/2012	Yes		5/7/2013
BRADLEY	DAVID	BECHTEL	5/7/2012	Yes		5/7/2013
BROOKLAND	SAPIR	BECHTEL	5/7/2012	Yes		5/7/2013
VALENTA	STEVEN	BECHTEL	5/7/2012	Yes		5/7/2013

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KERBS	GREGORY	BECHTEL	5/7/2012	Yes		5/7/2013
MALTES	KRISTOPHER	102905	5/7/2012	Yes		5/7/2013
SEGORIA	Stephen J.	BECHTEL	5/7/2012	Yes		5/7/2013
KIRKMAN	DAVID	163556	5/7/2012	Yes		5/7/2013
CJERDWIG	CALE	102901	5/7/2012	Yes		5/7/2013
BORJA	Joseph	2929	5/7/2012	Yes		5/7/2013
CUOSS	ROGER	102934	5/7/2012	Yes		5/7/2013
LINDSAY	FDAVID	BECHTEL	5/7/2012	Yes		5/7/2013
CT VAND……	bechtel		5/7/2012	Yes		5/7/2013
SCHCTID	NICK	FULLMER	5/7/2012	Yes		5/7/2013
FILBURN	CHRIS	102921	5/7/2012	Yes		5/7/2013
BROWN	TODD	FILLITER	5/7/2012	Yes		5/7/2013
MARAGLIA	DREW	UCDAVIS/BMP ECOSCI	5/7/2012	Yes		5/7/2013
SAUEREDA	ANGELICA	UCDAVIS/BMP ECOSCI	5/7/2012	Yes		5/7/2013
FIONELLO	MARK	VORTEX	5/7/2012	Yes		5/7/2013
THOMAS	BRAD	VORTEX	5/7/2012	Yes		5/7/2013
BURNS	SHANE	SCE	5/7/2012	Yes		5/7/2013
MONTEJANO	GEORGE	102913	5/7/2012	Yes		5/7/2013
SHELL	JIM	BECHTEL	5/7/2012	Yes		5/7/2013
BYRD	JOSH	CUSTOMARC	5/7/2012	Yes		5/7/2013
GALEANO	SALVADORE	BECHTEL	5/7/2012	Yes		5/7/2013
DAVIS	JOSEPH JR	BECHTEL	5/7/2012	Yes		5/7/2013
FAGA	JOSEPH S.	BECHTEL	5/7/2012	Yes		5/7/2013
GANEZ	ALFONSO	BECHTEL	5/7/2012	Yes		5/7/2013
GONZALES	RUDY	BECHTEL	5/7/2012	Yes		5/7/2013
GONZALES	LESTER	CUSTOM ARK	5/7/2012	Yes		5/7/2013
QUEZADA	FERNANDO	CUSTOM ARK	5/7/2012	Yes		5/7/2013
BRANNEN	DAVID	SO CAL EDISON	5/7/2012	Yes		5/7/2013
HAASE	MARILYN	BECHTEL	5/7/2012	Yes		5/7/2013
WILLIS	JEREMY	BECHTEL	5/7/2012	Yes		5/7/2013
KING	JAMES	BECHTEL	5/7/2012	Yes		5/7/2013
VICTORINO	MARK K.	BECHTEL	5/7/2012	Yes		5/7/2013
GIFFORD	KELLY	BECHTEL	5/7/2012	Yes		5/7/2013
THOMAS	JOSEPH	BECHTEL	5/7/2012	Yes		5/7/2013
GUTIERREZ	IRVING DIAZ	BECHTEL	5/7/2012	Yes		5/7/2013
LEMUS	AREL S.	BECHTEL	5/7/2012	Yes		5/7/2013
MALESKY	SAM	BECHTEL	5/7/2012	Yes		5/7/2013
SALAZAN	MANUEL	BECHTEL	5/7/2012	Yes		5/7/2013
WENDEROTT	Mike	BECHTEL	5/7/2012	Yes		5/7/2013
KEEL	GREGORY	BECHTEL	5/7/2012	Yes		5/7/2013
FAKLEY	KEVIN	SCE	5/7/2012	Yes		5/7/2013
COSSIO	ANDREW	BECHTEL	5/7/2012	Yes		5/7/2013
LUPER	Darrell	NRG	5/7/2012	Yes		5/7/2013
PITTS	ERIC	CUSTOM ARC	5/7/2012	Yes		5/7/2013
EDWARDS	JIM	BRIGHT SOURCE	5/7/2012	Yes		5/7/2013
AGIL	DEMETRIUS	BECHTEL	5/7/2012	Yes		5/7/2013
RMOS	NICOLAS	BECHTEL	5/7/2012	Yes		5/7/2013
HARRIS	CALVIN	BECHTEL	5/7/2012	Yes		5/7/2013
CREAN	JUNIOR	BECHTEL	5/7/2012	Yes		5/7/2013
MAJORGA	EMILIANO	BECHTEL	5/7/2012	Yes		5/7/2013
COOLEY	ROGER	BECHTEL	5/7/2012	Yes		5/7/2013
MIRANDU	GUSTAVO	102972	5/9/2012	Yes		5/9/2013
GONZALES	RONNY	102968	5/9/2012	Yes		5/9/2013
DAVIS	WILLIAM R.	FARWEST INSURANCE	5/9/2012	Yes		5/9/2013
RABAGO	ROBERT	FARWEST INSURANCE	5/9/2012	Yes		5/9/2013

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MAY	WAYNE	FARWEST INSURANCE	5/9/2012	Yes		5/9/2013
COPELAND	DAVID	10295	5/9/2012	Yes		5/9/2013
CHRISTMAN	RICHARD	102965	5/9/2012	Yes		5/9/2013
TOVAR	VICENTE MOREN	102953	5/9/2012	Yes		5/9/2013
AVILES	OSCAR	102956	5/9/2012	Yes		5/9/2013
ROSALES	SAUL	102961	5/9/2012	Yes		5/9/2013
PERKINS	JEREMY	102967	5/9/2012	Yes		5/9/2013
MCCRAW	DANIEL	102959	5/9/2012	Yes		5/9/2013
MARTINEZ	DOMINICK	102952	5/9/2012	Yes		5/9/2013
LASKEY	DUSTIN	102958	5/9/2012	Yes		5/9/2013
ROBERTS	DOYLE	178453	5/9/2012	Yes		5/9/2013
MORALES	CARLOS A.	102962	5/9/2012	Yes		5/9/2013
ORPICIA	JAMES R.	102971	5/9/2012	Yes		5/9/2013
SHEA	BILL	BECHTEL	5/9/2012	Yes		5/9/2013
GILWOOD	DANA	ELEMENTAL ENERGY	5/9/2012	Yes		5/9/2013
PITZEK	STEFAN	ELEMENTAL ENERGY	5/9/2012	Yes		5/9/2013
REYES	ROBERT	ELEMENTAL ENERGY	5/9/2012	Yes		5/9/2013
VERDOBO	RICHARD	ELEMENTAL ENERGY	5/9/2012	Yes		5/9/2013
BARNETT	BRYAN	ELEMENTAL ENERGY	5/9/2012	Yes		5/9/2013
MCGEE	KEVIN	ELEMENTAL ENERGY	5/9/2012	Yes		5/9/2013
WATKINS	ROBERT	BECHTEL-102969	5/9/2012	Yes		5/9/2013
EMERSON	ALAN	ELEMENTAL ENERGY	5/9/2012	Yes		5/9/2013
SMITH	STEPHAN	102963	5/9/2012	Yes		5/9/2013
BOYLE	JOHN S.	102954	5/9/2012	Yes		5/9/2013
RAMIREZ	ANDREW	102966	5/9/2012	Yes		5/9/2013
CRUTCHFIELD	DARRY;L	102960	5/9/2012	Yes		5/9/2013
GOODYEAR	ALEX	102970	5/9/2012	Yes		5/9/2013
THOMPSON	TODD	102957	5/9/2012	Yes		5/9/2013
CERVANTES	DANIE;L	102964	5/9/2012	Yes		5/9/2013
MORALES	CARLOS A.	102962	5/9/2012	Yes		5/9/2013
ROBERTS	DOYLE	178453	5/9/2012	Yes		5/9/2013
YOUNG	JASON	102541	5/14/2012	Yes		5/14/2013
GORTCHEK	KENNETH	103022	5/14/2012	Yes		5/14/2013
POPE	WILLIAM D. SR.	103009	5/14/2012	Yes		5/14/2013
PRICE	JOSEPH	MISTRAS GROUP	5/14/2012	Yes		5/14/2013
VERMILYP	JOSEPH L.	103203	5/14/2012	Yes		5/14/2013
OBESO	RODOLFO	103026	5/14/2012	Yes		5/14/2013
VAN GERWIN	ANDREW	103000	5/14/2012	Yes		5/14/2013
POWELL	SHAWN	103007	5/14/2012	Yes		5/14/2013
CADOGAN	GLEN	102999	5/14/2012	Yes		5/14/2013
COOPER	HUSH	102991	5/14/2012	Yes		5/14/2013
RODULFO	SYDNEY J	10299	5/14/2012	Yes		5/14/2013
ROBLES	MANUEL R.	103001	5/14/2012	Yes		5/14/2013
GRANGER	RAPHAEL	102995	5/14/2012	Yes		5/14/2013
JOSEPH	MAGNUS	102997	5/14/2012	Yes		5/14/2013
BEGAYE	MESSAIAN	103014	5/14/2012	Yes		5/14/2013
MASON	TRAVIS	103024	5/14/2012	Yes		5/14/2013
PENNINGTON	KEVIN	103019	5/14/2012	Yes		5/14/2013
SALGEAR	MICKEY	TRIUMPH PAINTING	5/14/2012	Yes		5/14/2013
PRADO	ALEJANDRO	ADKAN ENG	5/14/2012	Yes		5/14/2013
WATERMAN	JESSE	ADKAN ENG	5/14/2012	Yes		5/14/2013
DENOVICH	DAVE	102987	5/14/2012	Yes		5/14/2013
BALDUS	MARK	103010	5/14/2012	Yes		5/14/2013
SZLAY	TZVI	BSII	5/14/2012	Yes		5/14/2013
COCHRAN	BRAD	103031 NRG	5/14/2012	Yes		5/14/2013

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STEPHENSON	BRIAN	103011	5/14/2012	Yes		5/14/2013
SANTOS	OSCAR	102996	5/14/2012	Yes		5/14/2013
CORDOVA	WALY	102988	5/14/2012	Yes		5/14/2013
VOYER	JOSEPH	102988	5/14/2012	Yes		5/14/2013
ALVAREZ	SEBASTIAN	103017	5/14/2012	Yes		5/14/2013
ALVAREZ	EDUARDO	103004	5/14/2012	Yes		5/14/2013
DENHAM	JASON	103002	5/14/2012	Yes		5/14/2013
AGUAYO	MANUEL	103029	5/14/2012	Yes		5/14/2013
AIRANDI	RICK	102997	5/14/2012	Yes		5/14/2013
JORGENSEN	CHRIS	103012	5/14/2012	Yes		5/14/2013
RIVERA	ALBERT JAMES	102986	5/14/2012	Yes		5/14/2013
VAN HOESEN	DANIEL	SCHECK TECH	5/14/2012	Yes		5/14/2013
ARENDS	MICHAEL	SCHECK TECH	5/14/2012	Yes		5/14/2013
HOWARD	STEPHEN ROB	SCHECK TECH	5/14/2012	Yes		5/14/2013
MICHAELIS	RYAN	103015	5/14/2012	Yes		5/14/2013
SALAS	ADRIAN	103006	5/14/2012	Yes		5/14/2013
WESTMORELAND	TRAVIS	TRIUMPH PAINTING	5/14/2012	Yes		5/14/2013
CLY	NOLAND	103025	5/14/2012	Yes		5/14/2013
GREENWALD	JOHN	102984	5/14/2012	Yes		5/14/2013
PECK	AUSTIN	103008	5/14/2012	Yes		5/14/2013
MERIDETH	JACOB	102993	5/14/2012	Yes		5/14/2013
SMITH	ERIC	102989	5/14/2012	Yes		5/14/2013
BRIGGS	MICHAEL	103027	5/14/2012	Yes		5/14/2013
RADIZUNER	LEE	102998	5/14/2012	Yes		5/14/2013
HERN	WILLIAM	103030	5/14/2012	Yes		5/14/2013
KUNJACHAN	RAJU	102990	5/14/2012	Yes		5/14/2013
KELLY	LOGAN	103016	5/14/2012	Yes		5/14/2013
CANO	J. MANUEL	103020	5/14/2012	Yes		5/14/2013
SAWVELL	GABRIEL	102983	5/14/2012	Yes		5/14/2013
CITRON	LAUREN A.	103005	5/14/2012	Yes		5/14/2013
BEALS	FRANK	102935	5/14/2012	Yes		5/14/2013
MEJA	RUDY	103028	5/14/2012	Yes		5/14/2013
DANIEL	CHARLES D.	103003	5/14/2012	Yes		5/14/2013
LEWIS	FITZGERALD R.	103018	5/14/2012	Yes		5/14/2013
YOUNG	RANDY E.	227875	5/14/2012	Yes		5/14/2013
BRETCHER	LEONARD J.	973760	5/14/2012	Yes		5/14/2013
BAIRD	TOIMOTHY	102907	5/14/2012	Yes		5/14/2013
RIOS	RAMEN LOPEZ	102980	5/14/2012	Yes		5/14/2013
EVANS	WILLIAM	103068	5/16/2012	Yes		5/16/2013
CLEMENTINO	JOSHUA .J.	103064	5/16/2012	Yes		5/16/2013
PROSISC	JOHN	103045	5/16/2012	Yes		5/16/2013
ROSE	MICHAEL L.	103061	5/16/2012	Yes		5/16/2013
DONOHUE	BRIAN M.	103047	5/16/2012	Yes		5/16/2013
IGANEZ	ENRIQUE	103052	5/16/2012	Yes		5/16/2013
PEREZ	JUAN M.	103050	5/16/2012	Yes		5/16/2013
CERVANTES	MARTIN	103077	5/16/2012	Yes		5/16/2013
RAMIREZ	GERBER	103049	5/16/2012	Yes		5/16/2013
REYES	ELIHU	103055	5/16/2012	Yes		5/16/2013
TALBOTT	Mike	103067	5/16/2012	Yes		5/16/2013
COSIO	JOSE	103040	5/16/2012	Yes		5/16/2013
ROOME	PETER	103065	5/16/2012	Yes		5/16/2013
RICHARDSON	ROBERT	103073	5/16/2012	Yes		5/16/2013
TUNMAN	KARL	103058	5/16/2012	Yes		5/16/2013
CINOTTO	MARK	103071	5/16/2012	Yes		5/16/2013
MONROE	ROBERT	BLANK	5/16/2012	Yes		5/16/2013

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PIERCE	JEFF	103086	5/16/2012	Yes		5/16/2013
FLORES	JOSHUA .J.	103046	5/16/2012	Yes		5/16/2013
JAMES	ANTHONY	103044	5/16/2012	Yes		5/16/2013
SALVATIERRA	FREDDY	103060	5/16/2012	Yes		5/16/2013
LEES	DAVID	BLANK	5/16/2012	Yes		5/16/2013
LAPIN	APOUNARIO B.	BLANK	5/16/2012	Yes		5/16/2013
PAXTON	FRED	BECHTEL	5/16/2012	Yes		5/16/2013
RONHOLF	AAGE	BECHTEL	5/16/2012	Yes		5/16/2013
BURNS	JOSHUA .J.	103072	5/16/2012	Yes		5/16/2013
PLASCENSIA	MISAEL	103062	5/16/2012	Yes		5/16/2013
HARNED	JAMES	EL 103066	5/16/2012	Yes		5/16/2013
CERNA	JESUS m.	BECHTEL	5/16/2012	Yes		5/16/2013
HOWARD	MARK D.	BECHTEL	5/16/2012	Yes		5/16/2013
CORNEGO	RACHEL	103059	5/16/2012	Yes		5/16/2013
MCDOWELL	MICHELLE S.	BECHTEL	5/16/2012	Yes		5/16/2013
MERIDETH	SY	BECHTEL/103084	5/16/2012	Yes		5/16/2013
JAIMES	FERNANDO	BECHTEL	5/16/2012	Yes		5/16/2013
GRUBBS	SHAWN	103078	5/16/2012	Yes		5/16/2013
SHORT	JAMES	103063	5/16/2012	Yes		5/16/2013
JEWELL	JAMES	103054	5/16/2012	Yes		5/16/2013
RICHARDS	RANDALL C.	103079	5/16/2012	Yes		5/16/2013
HERNANDEZ	JAHAZIEL	103088	5/16/2012	Yes		5/16/2013
HERNANDEZ	ENOCH	103083	5/16/2012	Yes		5/16/2013
RIVERA	HENRI M.	103048	5/16/2012	Yes		5/16/2013
RABAGO	RAYMOND	103042	5/16/2012	Yes		5/16/2013
PAGAN	JOSE	103081	5/16/2012	Yes		5/16/2013
MAROTTA	CHARLES	BECHTEL	5/16/2012	Yes		5/16/2013
CURETAN	RONALD	103056	5/16/2012	Yes		5/16/2013
CLEMONS	DAVID K.	BECHTEL	5/16/2012	Yes		5/16/2013
HUNTER	BRIAN	1030105	5/21/2012	Yes		5/21/2013
BRADLEY	CHARLES D.	101548	5/21/2012	Yes		5/21/2013
BOYZO	JORGE	103116	5/21/2012	Yes		5/21/2013
ZAVALA	ROBERTO	103107	5/21/2012	Yes		5/21/2013
SERRATO	RAYUUNDO	103113	5/21/2012	Yes		5/21/2013
HERNANDEZ	FRANSISCO	103124	5/21/2012	Yes		5/21/2013
DELAO	ZEFERINO	103120	5/21/2012	Yes		5/21/2013
HACKER	LANCE	103114	5/21/2012	Yes		5/21/2013
TERLEP	GREGORY	103098	5/21/2012	Yes		5/21/2013
REYES	ERNESTO	103121	5/21/2012	Yes		5/21/2013
CAVENDER	DAVE	103108	5/21/2012	Yes		5/21/2013
KHOCHAFIAN	ALEX	158254	5/21/2012	Yes		5/21/2013
JOHANSSON	PETER	SIEMENS	5/21/2012	Yes		5/21/2013
ANGI	PAT	NRG	5/21/2012	Yes		5/21/2013
BRACO	MITCHELL	NATIONAL CONSTRUCTION	5/21/2012	Yes		5/21/2013
FRY	JAMES	NATIONAL CONSTRUCTION	5/21/2012	Yes		5/21/2013
AMAN	MATT	NRG	5/21/2012	Yes		5/21/2013
DONOHUE	KEVIN	NRG	5/21/2012	Yes		5/21/2013
SANCEHEZ	JOHN PAUL	NRG	5/21/2012	Yes		5/21/2013
CAVALCANTI	PAULO	BABCOCK POWER	5/21/2012	Yes		5/21/2013
T'NEROUX	JOYCE	NRG	5/21/2012	Yes		5/21/2013
MITCHELL	CHRIS	103102	5/21/2012	Yes		5/21/2013
SCHULTZ	AARON	10311	5/21/2012	Yes		5/21/2013
KENNEDY	JOHN	CLON DIKE	5/21/2012	Yes		5/21/2013
PIERCE	KEVIN	103115	5/21/2012	Yes		5/21/2013
YBARRA	CELEDANO	103104	5/21/2012	Yes		5/21/2013

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SCOTT	SAWHN	103118	5/21/2012	Yes		5/21/2013
DUDLEY	STEVEN	103100	5/21/2012	Yes		5/21/2013
EGUROLLA	GILBERTO	103129	5/21/2012	Yes		5/21/2013
KLINGER	KENNETH	103101	5/21/2012	Yes		5/21/2013
MARTINEZ	AUGUSTIN	103097	5/21/2012	Yes		5/21/2013
VILLEGAS	ART	103080	5/21/2012	Yes		5/21/2013
AURLA	ROBERTO	FULLMER	5/21/2012	Yes		5/21/2013
MICHAEL	NOBLE		5/21/2012	Yes		5/21/2013
MAEHANDO	MIGUEL	103103	5/21/2012	Yes		5/21/2013
TOBIAS	DAN	103099	5/21/2012	Yes		5/21/2013
ALVAREZ	MIGUEL	108123	5/21/2012	Yes		5/21/2013
RODRIGUEZ	ALEJANDRO	JMC	5/21/2012	Yes		5/21/2013
ROA	HARTMAN	103106	5/21/2012	Yes		5/21/2013
MAVIS	CHANCE	SUPERIOR/FULLER	5/21/2012	Yes		5/21/2013
FRYOR	JIM	CUSTOM ARC	5/21/2012	Yes		5/21/2013
FURPHY	JOHN	HAMPTON TEDDER	5/21/2012	Yes		5/21/2013
DAVIS	GARY	HAMPTON TEDDER	5/21/2012	Yes		5/21/2013
NELSON	MORGAN	HYDRATIGHT	5/21/2012	Yes		5/21/2013
MONTALVO	CHERYL	NRG	5/21/2012	Yes		5/21/2013
NICHOLSON	TONY	CUSTOM ARC	5/21/2012	Yes		5/21/2013
DUENER	CODY	SUPERIOR WAA SYSYTEM	5/21/2012	Yes		5/21/2013
LOPEZ	JOSE A	SUPERIOR WALL SYSYTE,	5/21/2012	Yes		5/21/2013
CERDA	EDWARD	EL 103096	5/21/2012	Yes		5/21/2013
WASSE	DAVID	PF 103132	5/21/2012	Yes		5/21/2013
PINZ	CHARLES	EL 103126	5/21/2012	Yes		5/21/2013
HARPER	MARK	PF103119	5/21/2012	Yes		5/21/2013
ANDERSON	JONATHAN	103095	5/21/2012	Yes		5/21/2013
MARCIONE	KEITH	103122	5/21/2012	Yes		5/21/2013
PORTER	AUGUSTUS	103110	5/21/2012	Yes		5/21/2013
SULLIVAN	LOVELLE	103128	5/21/2012	Yes		5/21/2013
LUNDY	JOHN	KLONDYKE	5/21/2012	Yes		5/21/2013
THOMAS	DANNY	103112	5/21/2012	Yes		5/21/2013
FERRARA	JEFF	ELEMENTAL ENERGY	5/21/2012	Yes		5/21/2013
MARTINEZ	MIGUEL A.	BECHTEL 103103	5/21/2012	Yes		5/21/2013
GARDENAS JR	PEDRO	103131	5/21/2012	Yes		5/21/2013
TURRUHARTES	FRANSISCO	ELEMENTAL ENERGY	5/21/2012	Yes		5/21/2013
BLOUNT	LISA	BECHTEL	5/21/2012	Yes		5/21/2013
LISTER	ANDREW	BECHTEL	5/21/2012	Yes		5/21/2013
JOBE	CHRISTOPHER R	BM 103092	5/21/2012	Yes		5/21/2013
MCINTOSH	KENNEDY	NRG	5/21/2012	Yes		5/21/2013
LANFORD	JUSTIN	103108	5/21/2012	Yes		5/21/2013
HALL	JOE	NRG	5/21/2012	Yes		5/21/2013
CLARK	JIM	NRG	5/21/2012	Yes		5/21/2013
LOPEZ	JUAN A	103091	5/21/2012	Yes		5/21/2013
YORK	LEE	103190	5/30/2012	Yes		5/30/2013
POWELL	CARLOS A.	103180	5/30/2012	Yes		5/30/2013
GOUZALA	ROMEO	103200	5/30/2012	Yes		5/30/2013
OUTLER	ERIC	WEST COAST DOOR	5/30/2012	Yes		5/30/2013
BLAIR	BILLY	WEST COAST DOOR	5/30/2012	Yes		5/30/2013
CARDONA	JESUS	100451	5/30/2012	Yes		5/30/2013
LITTLE	VICTORIA	103200	5/30/2012	Yes		5/30/2013
LAZUKA	STANLEY	103177	5/30/2012	Yes		5/30/2013
DOMSKY	NATHANIEL	103176	5/30/2012	Yes		5/30/2013
NICACIO	MICHAEL	103187	5/30/2012	Yes		5/30/2013
REYNALDO	BENNY	103165	5/30/2012	Yes		5/30/2013

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RAYBURN	DAVID	103181	5/30/2012	Yes		5/30/2013
SILVEY	BRIAN	103198	5/30/2012	Yes		5/30/2013
WYNN	EDDIE	103183	5/30/2012	Yes		5/30/2013
CRAWFORD	VICTOR	PF 10321	5/30/2012	Yes		5/30/2013
WILLIAMS	EDWARD	103206	5/30/2012	Yes		5/30/2013
BARCENAS	AARON	103203	5/30/2012	Yes		5/30/2013
MIKAELE	RICK	103199	5/30/2012	Yes		5/30/2013
COLLINS	JACOB	103184	5/30/2012	Yes		5/30/2013
MARTINEZ	JOEY	FULLMER	5/30/2012	Yes		5/30/2013
GUNTER	JON	BECHTEL	5/30/2012	Yes		5/30/2013
MAGALONG	ROMEO	BECHTEL	5/30/2012	Yes		5/30/2013
LOPEZ	LUIS ALBERTO Z.	103204	5/30/2012	Yes		5/30/2013
Bykoski	BRIAN	103208	5/30/2012	Yes		5/30/2013
MEDINA	OBRIAN	103178	5/30/2012	Yes		5/30/2013
REYES	ISRAEL	103193	5/30/2012	Yes		5/30/2013
MORENO	JOSE	103172	5/30/2012	Yes		5/30/2013
CAMPOS	LEONARDO	103197	5/30/2012	Yes		5/30/2013
TAYLOR	STONEY	BECHTEL	5/30/2012	Yes		5/30/2013
HUGELEY	JERRY	103179	5/30/2012	Yes		5/30/2013
MARTINEZ	BRIAN E. M.	103186	5/30/2012	Yes		5/30/2013
BREWER	CALVIN	101827	5/30/2012	Yes		5/30/2013
HOLMES	CALVIN	103195	5/30/2012	Yes		5/30/2013
HARVEY	MICHAEL	BECHTEL	5/30/2012	Yes		5/30/2013
WATKINS	PHILLIP	103189	5/30/2012	Yes		5/30/2013
FIFE	AARON	103205	5/30/2012	Yes		5/30/2013
MATHENY	MATT	103185	5/30/2012	Yes		5/30/2013
SOTO	HECTOR IBARRA	103191	5/30/2012	Yes		5/30/2013
MATHENY	TERRY	103202	5/30/2012	Yes		5/30/2013
WOOD	EDWARD	FULMER/CCI	5/30/2012	Yes		5/30/2013
WOHLHEUTEL	SEAN	FULLMER/CCI	5/30/2012	Yes		5/30/2013
CID	JUAN	FULMER/CEILING CONCEPTIONS	5/30/2012	Yes		5/30/2013
SODERS	WADE	ELEMENTAL ENERGY	5/30/2012	Yes		5/30/2013
SCHRAEDER	ROD	SUPERIOR	5/30/2012	Yes		5/30/2013
MADSEN	OLE	427252	5/30/2012	Yes		5/30/2013
MCSHANE	ANDREW	SUPERIOR WALL SYSYTE,	5/30/2012	Yes		5/30/2013
GRETZNER	JEFF	SUPERIOR	5/30/2012	Yes		5/30/2013
BENAVENTE	SHAWN	SUPERIOR WALL SYSYTE,	5/30/2012	Yes		5/30/2013
MESLER	MACE	FULMER/SUPERIOR	5/30/2012	Yes		5/30/2013
LARD	JOSEPH	FULLMER/SUPERIOR	5/30/2012	Yes		5/30/2013
MARTINEZ	Mike	FULLMER/SUPERIOR	5/30/2012	Yes		5/30/2013
VIOLA	JARED	BECHTEL	5/30/2012	Yes		5/30/2013
VORDSCHUCK	MARK	103192	5/30/2012	Yes		5/30/2013
NICOLA	FIGUERA?	103244	5/31/2012	Yes		5/31/2013
VAUGH	RICHARD	103247	5/31/2012	Yes		5/31/2013
PHILLIPS	KEITH	103232	5/31/2012	Yes		5/31/2013
DAVIES	TRACEY	103217	5/31/2012	Yes		5/31/2013
VALENTINE	BRYANT	103219	5/31/2012	Yes		5/31/2013
MENDOZA	DAVID G.	103248	5/31/2012	Yes		5/31/2013
ABASCA	JOSE	103246	5/31/2012	Yes		5/31/2013
BARELA	JOE	103220	5/31/2012	Yes		5/31/2013
SANDERS	BLAKE	103222	5/31/2012	Yes		5/31/2013
CHALEUNRATH	THIPNALHANH?	103273	5/31/2012	Yes		5/31/2013
COLEMAN	MICHAEL	103224	5/31/2012	Yes		5/31/2013
CASTILLO	SAMUEL	103228	5/31/2012	Yes		5/31/2013
ALBARRAN	EDUARDO	103233	5/31/2012	Yes		5/31/2013

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QUITILEN	JOSELITO	103240	5/31/2012	Yes		5/31/2013
CHIXTO	JOE		5/31/2012	Yes		5/31/2013
OLVERA	EUGENE	103236	5/31/2012	Yes		5/31/2013
CUELLER	WALTER	103231	5/31/2012	Yes		5/31/2013
AVILA	RICARDO	103216	5/31/2012	Yes		5/31/2013
KWAN	WAYNE	103230	5/31/2012	Yes		5/31/2013
AGUILAR	FRED	103234	5/31/2012	Yes		5/31/2013
JAMES	GARRY	103225	5/31/2012	Yes		5/31/2013
GUTIERREZ	JUAN J.	103245	5/31/2012	Yes		5/31/2013
GONZALEZ	GONZALO	103216	5/31/2012	Yes		5/31/2013
SANCHEZ	ALEX	WESTERN PACIFIC	5/31/2012	Yes		5/31/2013
ARENA	ROY	WESTERN PACIFIC	5/31/2012	Yes		5/31/2013
SOCKWELL	W.JASON	103182	5/31/2012	Yes		5/31/2013
MELANSON	ALFRED	103238	5/31/2012	Yes		5/31/2013
SIERRA	ARMANDO	103250	5/31/2012	Yes		5/31/2013
MAI	TUAN	103235	5/31/2012	Yes		5/31/2013
MAI	HOANG	103237	5/31/2012	Yes		5/31/2013
WOODS	DARRIN	100099	5/31/2012	Yes		5/31/2013
KLAPP	SCOTT	103229	5/31/2012	Yes		5/31/2013
GALINDO	RUDY	103243	5/31/2012	Yes		5/31/2013
RAMIREZ	GERMAN	103218	5/31/2012	Yes		5/31/2013
MASTRINY??	FRANKLIN J.	101581	5/31/2012	Yes		5/31/2013
SELBERG	ERIC	10322	5/31/2012	Yes		5/31/2013
WHITE	JEFF	103127	5/31/2012	Yes		5/31/2013
JENSEN	JEFF	103249	5/31/2012	Yes		5/31/2013
PINEDA	ANGEL	103239	5/31/2012	Yes		5/31/2013
CHAVIES	ANTWUAN	103226	5/31/2012	Yes		5/31/2013
RUSSELL	TONY	103242	5/31/2012	Yes		5/31/2013
KALSON JR.	WILLIAM	103251	5/31/2012	Yes		5/31/2013

Certification of Completion of Worker Environmental Awareness Program Training

Ivanpah Solar Electric Generating System Project, San Bernardino County, California
Biological Resources, Cultural Resources and Paleontological Resources
Education Program Verification
All Onsite Employees

This is to certify the below-mentioned individuals have completed a mandatory California Energy Commission-approved Worker Environmental Awareness Program training for employees onsite at the Ivanpah Solar Electric Generating System project. By signing below, I acknowledge that I have attended the Worker Environmental Awareness Program Training for the Ivanpah Solar Electric Generating System project, and I agree to comply with all the environmental requirements presented.

No.	Employee Name	Company	Signature	Date
1.	ERIC READ	BECHTEL		5/7/12
2.	David Bradley	Bechtel		5/7/12
3.	Sapir Bookland	Bechtel		5/7/12
4.	Steven Valenta	Bechtel		5/7/12
5.	GREGORY KERBS	BECHTEL		5/7/12
6.	Kristopher Mattas	102905		5/7/12
7.	Stephen Segovia	Bechtel		5/7/12
8.	David Kokkonen	163556		07MAY12
9.	CALE CZERWIN	102901		5/7/12
10.	Jose Borja	102929		5/7/12
11.	Roger Cress	102934		5/7/12
12.	David Lyngborg	Bechtel		5-7-12
13.	[illegible]	Bechtel		5-7-12
14.	Nick Schaffer	Fullmer		5-7-12
15.	CHRIS FIELDEN	102921		5-7-12
16.	TODD BROWN	FULLMER		5/7/12
17.	DREW MARGLIN	UCDAVIS/BMP ECOSCI		5/7/12
18.	Angelica Saucedo	UCDAVIS/BMP ECOSCI		5/7/12
19.	Mark Fiorito	Vortex		5/7/12
20.	Brad Thurman	Vortex		5-7-12
21.	SHANE BURNS	SCE		05-07-12
22.	GEORGE MONTEJANO	102913		5-7-12
23.	JIM SHELL	BECHTEL		7MAY2012
24.	Josh Byrd	Custom Arc		5-7-12
25.	Salvador R Galvan	Bechtel		5/7/12
26.	Joseph W Davis, Jr	Bechtel		5-7-12
27.	Joseph S. TAGA	Bechtel		5-7-12
28.	Alfonso Gomez	Bechtel		5-7-12
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Trainer: Cody Mowdy Signature: _____ Date: 5/7/12

Certification of Completion of Worker Environmental Awareness Program Training

Ivanpah Solar Electric Generating System Project, San Bernardino County, California
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No.	Employee Name	Company	Signature	Date
1.	Rudy GONZALES		Rudy Gonzales	5-7-12
2.	Lester GONZALES	Custom ARK	Lest	5-7-12
3.	Fernando Quezada	Custom Ark		5-7-12
4.	Dave BRANDEN	So. Cal. Edison	Dave Brann	5-7-12
5.	MERLYN HAASE	Bechtel	Merlyn K Haase	5/7/12
6.	Jeremy Willis	Bechtel		5/7/2012
7.	JAMES KING	Bechtel	James A King	5-7-12
8.	MARK K VICTORINO	BECHTEL	Mark K Victorino	5-7-12
9.	Kelly Gifford	Bechtel	Kelly Gif	5-7-12
10.	Joseph Thomas	Bechtel		5-7-12
11.	Irving Diaz-Gutierrez	Bechtel		5-7-12
12.	Axel S. Lemus	Bechtel	Axel Salemus.	5-7-12
13.	SAM MALESKY	BECHTEL		5/7/12
14.	MANUEL SALAZAR	BECHTEL		5-7-12
15.	Mike Wenderoth	Bechtel		5-7-12
16.	Greg Keel	Bechtel		5-7-12
17.	KEVIN FARLEY	SCE		5-7-12
18.	Andrew Cossio	Bechtel		5-7-12
19.	Darrel Lopez	NRG		5-7-12
20.	Eric Pitts	Custom Ark		5-7-12
21.	Jim Edwards	BrightSource		5-7-12
22.	Demetrius Agil	Bechtel		5-7-12
23.	Nicolas Ramos	Bechtel		5/7/12
24.	CALVIN HARRIS	BECHTEL		5-7-12
25.	JUNIOR CAGAN	BECHTEL		5-7-12
26.	Emiliano Mayorga	BECHTEL		5-7-12
27.	Roger Cooley	Bechtel		5-2-12
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Trainer: Cody Mawdy Signature: Date: 5/7/12

Certification of Completion of Worker Environmental Awareness Program Training

Ivanpah Solar Electric Generating System Project, San Bernardino County, California
Biological Resources, Cultural Resources and Paleontological Resources
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No.	Employee Name	Company	Signature	Date
1.	Gustavo Miranda	102972		05/9/12
2.	Gonzales, Ronny	102968		5/9/12
3.	WILLIAM R DAVIS	FARWEST INS		5/9/12
4.	ROBERT RABAGO	FARWEST		5/9/12
5.	WAYNE MAY	FARWEST		5/9/12
6.	David Copeland	102955		5-9-12
7.	RICHARD CHRISTMAN	102965		5-9-12
8.	Vicente Moran Tovar	102953		5-9-12
9.	Oscar Aviles	102956		5-9-12
10.	Saul Rosales	102961		5-9-12
11.	Jeremy Perkins	102967		5-9-12
12.	DANIEL MCCRAW	102959		5-9-12
13.	Dominick Martinez	102952		5/9/12
14.	Dustin Laskey	102958		5/9/12
15.	Doyle Roberts	178453		5/6/12
16.	Carlos A. Morales	102962		5-9-12
17.	JAMES R. ORPILLA	102971		5-9-12
18.	Bill Shea	Bechtel Nmm		5-9-12
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Trainer: Cody Moudy Signature: Date: 5/9/12

Certification of Completion of Worker Environmental Awareness Program Training

Ivanpah Solar Electric Generating System Project, San Bernardino County, California
Biological Resources, Cultural Resources and Paleontological Resources
Education Program Verification
All Onsite Employees

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No.	Employee Name	Company	Signature	Date
1.	DANA GILWOOD	ELEMENTAL ELEC		5-9-12
2.	STEPAN PITZEK	ELEMENTAL ELECT		5-9-12
3.	Robert Reyes	Elemental Energy		5-9-12
4.	Richard Verdugo	Elemental Energy		5-9-12
5.	Bryan Barnett	Elemental Energy		5/9/12
6.	Kevin McGee	Elemental Energy		5/9/12
7.	Robert WATKINS	Bechtel - 102969		5/9/12
8.	Alan Emerson	Elemental Energy		5/9/12
9.	Stephen Smith	102963		5-9-12
10.	JOHN S BOYLE	102954		5-9-12
11.	Andrew Ramirez	102966		5-9-12
12.	DARRYL CRUTCHFIELD	102960		5-9-12
13.	Alex Goodyear	102970		5-9-12
14.	TODD THOMPSON	102957		5-9-12
15.	DANIEL CERVANTES	102964		5-9-12
16.	Carlos A. Morales	102962		5-9-12
17.	Doyle Roberts	178453		5-9-12
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Trainer: Cody Mowdy Signature: _____ Date: 5/9/12

Completion of Annual Retraining for the Ivanpah SEGS Worker Environmental Awareness Program Training

Ivanpah Solar Electric Generating System Project, San Bernardino County, California
Biological Resources, Cultural Resources and Paleontological Resources
Education Program Verification
All Onsite Employees

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PLEASE PRINT CLEARLY OR YOU MAY NOT RECEIVE CREDIT FOR TAKING THIS CLASS!!!!

No.	Employee Name	Company	Signature	Date
1.	Steve Mason 100488	Bechtel		5-10-12
2.	Scott Lange	Bechtel		5-10-12
3.	Jose R. Garcia	Bechtel		5-10-12
4.	Kelly Herbinson	Solar Partners		5-10-12
5.	Doug Poach	Bechtel		5-10-12
6.	Abraham Velasco	Bechtel		5-10-12
7.	Walter Scott	Bechtel		5-10-12
8.	Bryan Rodriguez	Bechtel		5-10-12
9.	Don Marbitzer	Bechtel		5-10-12
10.	C Stoddart	Bechtel		5-10-12
11.	Derik Ferjo	Bechtel		5-10-12
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Trainer: Cody Mowdy Signature: Cody Mowdy Date: 5/10/12

Certification of Completion of Worker Environmental Awareness Program Training

Ivanpah Solar Electric Generating System Project, San Bernardino County, California
Biological Resources, Cultural Resources and Paleontological Resources
Education Program Verification
All Onsite Employees

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No.	Employee Name	Company	Signature	Date
1.	Jayson Young	102541		MAY 14. 2012
2.	Kenneth Gotchek	103022		5/14/12
3.	William D. Pope Sr	103009		5-14-12
4.	Joseph Price	Mistras Group		5-14-12
5.	Joseph LVermilye	103023		5/14/12
6.	JENNIE VERMILYE	103021		5/14/12
7.	RODOLFO OBESO	103026		5/14/12
8.	ANDRE VAN GERWEN	103000		5-14-12
9.	SHAWN Powell	103007		5-14-12
10.	Glen Cadogan	102999		5-14-12
11.	HUGH A COOPER	102991		05-14-12
12.	SYDNEY J RODULFO	102994		5-14-12
13.	MANUEL R. ROBLES	103001		5-14-12
14.	RAPHAEL GRANGER	102995		5-14-12
15.	MAGNUS JOSEPH	102997		5-14-12
16.	Messiah Begaye	103014		5-14-12
17.	TRAVIS MASON	103024		5-14-12
18.	KEVIN PENNINGTON	103019		5-14-12
19.	MICKEY SILQUEAR	TRI-MURPH PAINTING		5-14-12
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Trainer: Cody Mowdy Signature: Date: 5/14/12

Certification of Completion of Worker Environmental Awareness Program Training

Ivanpah Solar Electric Generating System Project, San Bernardino County, California
Biological Resources, Cultural Resources and Paleontological Resources
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All Onsite Employees

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No.	Employee Name	Company	Signature	Date
1.	ALEJANDRO PRADO	ADKAN ENG.		5/14/12
2.	JESSE WATERMAN	ADKAN ENG		5/14/12
3.	[redacted] DAVE DENOVICH	102987		5/14/12
4.	MARK BALDUS	103010		11
5.	TZVI SELAV	BSII		11
6.	BRAD COCHRAN	103031, NRG		5/14/12
7.	BRIAN STEPHENSON	103011		11 11
8.	Shane Brashear	103013		5-14-12
9.	OSCAR SANTOS	102996		5-14-12
10.	Wally Ceydan	102985		5-14-12
11.	Joseph Voyer	102998		5-14-12
12.	Sebastian Alvarez	103017		5-14-12
13.	Eduardo Alvarez	103004		5-14-12
14.	Jayson R. Denham	103002		5-14-12
15.	MANUEL AGUAYO	103029		5-14-12
16.	Kirk AIRANDI	102997		5-14-12
17.	Chris A Jorgensen	103017		5/14/12
18.	ALBERT JAMES RIVERA	102986		5/14/12
19.	DAVE VAN HOESEN	Schenck Tech.		5/14/12
20.	Michael Arends	Schenck Tech.		5-14-12
21.	Stephen Robin Howard	Schenck Tech		5-14-12
22.	Ryan Michaelis	103015		5-14-12
23.	Adrian Salas	103006		5-14-12
24.	Travis Westmoreland	Triumph point.		5-14-12
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Trainer: Cody Mowdy Signature: _____ Date: 5/14/12

Certification of Completion of Worker Environmental Awareness Program Training

Ivanpah Solar Electric Generating System Project, San Bernardino County, California
Biological Resources, Cultural Resources and Paleontological Resources
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All Onsite Employees

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No.	Employee Name	Company	Signature	Date
1.	Noland Cly	103025		May 14 2012
2.	John Greenwald	102984		5-14-12
3.	Austin Peck	103008		5-14-12
4.	Jacob MEREDETH	102993		5-14-12
5.	Eric Smith	102989		5-14-12
6.	Michael Briggs	103027		5-14-12
7.	Lee Raduziner	102998		5-14-12
8.	William Hern	103030		5-14-12
9.	RAJU RAMACHANDRAN	102990		5-14-12
10.	Logan Kelly	103016		5-14-12
11.	J. MANUEL CANO	103020		5/14/12
12.	GABRIEL SAUVELL	102983		5/14/12
13.	Lauren A. CITRON	103005		5-14-12
14.	Frank Beaks	102936		5-14-12
15.	Rudy Mejia	103028		5-14-12
16.	CHARLES D DANIEL	103003		5/14/12
17.	FITZGERALD R LEWIS	103018		5/14/12
18.	RANDY E. YOUNG	227875		5-14-12
19.	LEONARD J BRETCHER	973760		5-14-12
20.	Timothy Baird	102907		5/14/12
21.	Ramon Lopez Rios	102986		5/14/12
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Trainer: Cody Mowdy Signature: _____ Date: 5/14/12

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No.	Employee Name	Company	Signature	Date
1.	William EVANS	103068		5-16-12
2.	Joshua J. Clementino	103064		5-16-12
3.	John Prosise	103045		5-16-12
4.	Michael L Rose	103061		5/16/12
5.	Brian M. Donohue	103047		5/16/12
6.	Enrique Ibanez	103052		5-16-12
7.	Juan M Perez	103050		5-16-12
8.	Martin Contreras	103077		5-16-12
9.	Gerber Ramirez	103049		5-16-12
10.	Elihu Reyes	103055		5-16-12
11.	Mike Talbott	103067		5-16-12
12.	Jose Cosio	103040		5/16/12
13.	Peter Roome	103065		5/16/12
14.	Robert Richardson	103073		5/16/12
15.	Karl Turman	103058		5/16/12
16.	MARK CINOTTO	103071		5-15-12
17.	Robert Monroe			5-16-12
18.	Jeff Pierce	103086		5-16-12
19.	Joshua Flores	103046		5-16-12
20.	Anthony James	103044		5-16-12
21.	Freddy Salvatierra	103066		5-16-12
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Trainer: Cody Mowdy Signature: _____ Date: 5/16/12

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No.	Employee Name	Company	Signature	Date
1.	DAVID LEES			5-16-12
2.	APOLINARIO B. LAPIN			5-16-12
3.	FRED PAXTON	BECHTEL	Fred Paxton	5/16/12
4.	PAGE RONHOLT	BECHTEL		5-16-12
5.	Joshua Burns	103072		5/16/12
6.	MISAEL PLASCENCIA	103062		5-16-12
7.	JAMES F. HARNED	EL103066	James F. Harned	05-16-2012
8.	JESUS M. LEYVA	BECHTEL	Jesus M. Leyva	5-16-12
9.	MARK D Howard	BechTel		5-16-12
10.	Rachel CORNEJO	103059	Rachel Cornejo	5/16/12
11.	Michelle S McDowell	Bechtel		5-16-12
12.	Sy Mesaideth	Bechtel 103084		5-16-12
13.	FERNANDO JAIMES	BECHTEL 103083		5-16-12
14.	Shawn Grubbs	103078		5-16-12
15.	JAMES SHORT	103063		5-16-12
16.	James JEWELL	103054		5-16-12
17.	Randall C Richardt	103079		5/16/12
18.	Yahaziel Hernandez	103088		5/16/12
19.	Enoch Hernandez	105083		5/16/12
20.	Henri M. Rivera	103048		5/16/12
21.	RAYMOND RABAGO	103042		5-16-12
22.	Jose Pagan	103081		5-16-12
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Trainer: Cody Mowdy Signature: Date: 5/16/12

Certification of Completion of Worker Environmental Awareness Program Training

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No.	Employee Name	Company	Signature	Date
1.	CHARLES MAROTTA	BECHTEL		5/16/12
2.	Reynold Cuevas	103056		5/16/12
3.	Clemons David K	Bechtel 103070	David K Clemons	5/16/12
4.	William EVANS	EL 103068		5-16-12
5.	Joshua Clementino	PF 103064		5-16-12
6.	Jaime Prosa	PF 103045		5-16-12
7.	ENRIQUE IBANEZ	EL 103052		5-16-12
8.	Juan M. Perez	EL 103050		5-16-12
9.	Gerber Ramirez	CP. 103049		5-16-12
10.	Martin Contreras	CP 103077		5-16-12
11.	Elihu Reyes	CP. 103055		5-16-12
12.	Jose Cosio	CP. 103040		5/16/12
13.	Jeff Pierce	PF 103086		5-16-12
14.	FREDDY SALVATIERRA	103060		5-16-12
15.	Jose Pagan	103081		5-16-12
16.	RAYMOND RABAGO	103042		5-16-12
17.	Clemons David K	103070	David K Clemons	5-16-12
18.	Ishaziel Hernandez	103088		5/16/12
19.	Enoch Hernandez	103083		5/16/12
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Trainer: Cody Mowdy Signature: _____ Date: 5/16/12

Completion of Annual Retraining for the Ivanpah SEGS Worker Environmental Awareness Program Training

Ivanpah Solar Electric Generating System Project, San Bernardino County, California
Biological Resources, Cultural Resources and Paleontological Resources
Education Program Verification
All Onsite Employees

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PLEASE PRINT CLEARLY OR YOU MAY NOT RECEIVE CREDIT FOR TAKING THIS CLASS!!!!

No.	Employee Name	Company	Signature	Date
1.	DUNCAN FORSYTH	NRC		5-17-12
2.	MARIO RAMIREZ	BECHTEL		5/17/12
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Trainer: Cody Mowdy Signature: _____ Date: 5/17/12

Certification of Completion of Worker Environmental Awareness Program Training

Ivanpah Solar Electric Generating System Project, San Bernardino County, California
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PLEASE PRINT YOUR NAME!!! IF WE CANNOT READ YOUR NAME, YOU MAY NOT RECEIVE CREDIT FOR ATTENDING THIS CLASS. THANK YOU.

No.	Employee Name	Company	Signature	Date
1.	Brian Hunter	103105		5-21-12
2.	CHARLES D. BRADLEY	101548		5-21-12
3.	Jorge Bozzo	103116		5-21-12
4.	Roberto Zavala	103107		5-21-12
5.	RAYMUNDO SERRATO	103113		5/21-12
6.	FRANCISCO HERNANDEZ	103124		5/21/2012
7.	Zeferino Deloo	103120		5-21-12
8.	Lance Hacker	103114		5-21-12
9.	Greg Terlep	103098		5-21-12
10.	Ernesto Reyes	103121		5-21-12
11.	DALE CAVENDER	103109		5-21-12
12.	ALEX KHACHATRIAN	158245		5 21 11
13.	Peter Johansson	Siemens		5/21
14.	Pat Angi	NRG		5-21-12
15.	Michael BRADY	National Const		5-21-12
16.	JAMES FRY	National Const		5-21-12
17.	MATT AMAN	NRG		5-21-12
18.	Kevin Donohue	NRG		5-21-12
19.	JOHN PAUL SANCHEZ	NRG		5-21-12
20.	Paulo Cavalcanti	Babcock Power		5-21-12
21.	Joyce Thereoux	NRG Energy		5-21-12
22.	Chris Mitchell	103102		5-21-12
23.	Aaron Schultz	103111		5-21-12
24.				
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Trainer: Cody Mowdy Signature: _____ Date: 5/21/12

Certification of Completion of Worker Environmental Awareness Program Training

Ivanpah Solar Electric Generating System Project, San Bernardino County, California
Biological Resources, Cultural Resources and Paleontological Resources
Education Program Verification
All Onsite Employees

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PLEASE PRINT YOUR NAME!!! IF WE CANNOT READ YOUR NAME, YOU MAY NOT RECEIVE CREDIT FOR ATTENDING THIS CLASS. THANK YOU.

No.	Employee Name	Company	Signature	Date
1.	John Kennedy	don Dike		May 21 2012
2.	Kevin Pierce	103115		05/21/2012
3.	Celedonio O Ybarra	103104		05-21-12
4.	Shawn Scott	103118		5-21-12
5.	Steven Dailey	103100		5-21-12
6.	Gilberto Espinoza	103129		5-21-12
7.	Kenneth Klinger	103101		5-21-12
8.	Agustin Martinez	103097		5-21-12
9.	Art Villegas	103080		5-21-12
10.	Roberto Avila	Fullmer		5-21-12
11.	Michael Noble			5-21-12
12.	Miguel Machado	103103		5-21-12
13.	Dan Tobias	103099		5-21-12
14.	Miguel Alvarez	103123		05-21-12
15.	Alejandro Rodriguez	J M C		5-21-12
16.	Hartman Roa	103106		5-21-12
17.	Chance Mavis	Superior Fuller		5-21-12
18.	Jim Fryar	Custom Arc		5-21-12
19.	John Furphy	Hampton Tedder		5-21-12
20.	Gary Davis	Hampton Tedder		5-21-12
21.	Morgan Nelson	Hydratight		5-21-12
22.	Orvil Montalvo	n/a		5/21/12
23.	Tony Nicholson	Custom Arc		5-21-12
24.	Cody Dueñez	Superior Wall Syst.		5/21/2012
25.	Jose A. Lopez	Superior Wall Syst.		5/21/2012
26.				
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Trainer: Cody Moudy Signature: _____ Date: 5/21/12

Certification of Completion of Worker Environmental Awareness Program Training

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No.	Employee Name	Company	Signature	Date
1.	Edward Cerda	EL 103096		5-21-12
2.	Dawit Wasse	P.F 103132		5-21-12
3.	Charles Finz	EL 103126		5-21-12
4.	Mark Harper	PF 103119		5-21-12
5.	Jonathon Anderson	EL 103095		5-21-12
6.	Keith Marcione	EL 103122		5-21-12
7.	Augustus Porter	EL 103110		5-21-12
8.	LaVelle Sullivan	EL 103128		5-21-12
9.	John Lunecky	Honeybee		5-21-12
10.	Danny Thomas	EL 103112		5-21-12
11.	JEFF FERRARA	ELEMENTAL		5-21-12
12.	Miguel A. Martinez	Bechtel 103103		5-21-12
13.	PEDRO CARDENAS JR	103131		5/21-2012
14.	Francisco Turrubiartes	ELEMENTAL		5-21-12
15.	Lisa Blount	Bechtel		5/21/12
16.	ANDREW LISTER	BECHTEL		5/21/12
17.	Christopher R Jobe	BM 103092		5/21/12
18.	KENNETH McINTOSH	NRG		5-21-12
19.	Justin Lanford	EL 103104		5-21-12
20.	Joe Hall	NRG		5-21-12
21.	Jim Clark	NRG		5-21-12
22.	Juan A Lopez	103091		5-21-12
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Trainer: Cody Mowdy Signature: _____ Date: 5/21/12

Certification of Completion of Worker Environmental Awareness Program Training

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No.	Employee Name	Company	Signature	Date
1.	[illegible] York	EL [illegible]190		5/30/12
2.	Earl Powell	EL 103180		5/30/12
3.	Romeo Gonzalez	EL 103200		5/30/12
4.	Eric Outler	West Coast Door		5-30-12
5.	Billy Blair	West Coast Door		5-30-12
6.	Jesus Cardona	100451		5-30-2012
7.	Victoria Little	Bechtel 103207		5-30-2012
8.	Stanley Lazulka	Bechtel 103177		5-30-12
9.	Nathaniel Domsky	Bechtel 103176		05/30/2012
10.	Michael Nicacio	Bechtel 103187		5/30/2012
11.	Ronaldo Beany	Custom Pac 103165		5/30/2012
12.	David Rayburn	Bechtel 103181		5/30/12
13.	Brian Silvey	Bechtel PF103198		5-30-12
14.	Eddie Wynn	Bechtel PF103183		5-30-12
15.	Victor Crawford	PF 10324		5.30.12
16.	Edward Williams	PF 103206		5.30.12
17.	Aaron Barcenas	Bechtel 103203		5.30.12
18.	Rick Mikaele	PF 103199		05.30.2012
19.	Jacob Collins	Bechtel 103184		5.30.12
20.	Joey Martinez	Fullmer/Superior		5/30/12
21.	Jon Gunter	Bechtel		5-30-12
22.	Romeo Magalong	Bechtel		5-30-12
23.	Luis Alberto Lopez	Bechatel 103204		5/30/12
24.	Brian Bykowski	Bechtel 103208		5/30/12
25.	Obrian Medina	Bechtel 103178		5-30-12
26.	Israel Reyes	Bechtel 103193		5/30/12
27.	Jose Hordna	Bechtel 103172		5/30/12
28.	Leonardo Campos	Bechtel 103197		5-30-12
29.	Stanley Taylor	Bechtel		5-30-12
30.				

Trainer: Cody Mowdy Signature: _____ Date: 5/30/12

Certification of Completion of Worker Environmental Awareness Program Training

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No.	Employee Name	Company	Signature	Date
1.	JERRY Hugulay	103179		5-30-12
2.	BRIAN E. Mata Martinez	103196		5-30-12
3.	CALVIN BREWER	101827		"
4.	Calvin Holmes	103195		5-30-12
5.	Michael Harvey	Bechtel non manual		5-30-12
6.	Phillip Watkins	103189		5-30-12
7.	AARON FIFE	103205		5/30/12
8.	Matt Matheny	103185		5-30-12
9.	Hector Ibarra Soto	103191		5-30-12
10.	TERRY MATHENY	103202		5-30-2012
11.	Leonardo Campos	103197		5-30-2012
12.	Brian Bykoski	103208		5/30/12
13.	Obrian Medina	103178		5-30-12
14.	Israel Reyes	103193		5/30/12
15.	Jose Antonio Arellano	103177		5/30/12
16.	EDWARD WOOD	FULMER/CCI		5/30/12
17.	Sean Wahlbuetel	Fulmer/CCI		5/30/12
18.	Sean Cid	Fulmer/Cedars Concepts Inc		5/30/12
19.	Wade P. Soders	Elemental		5/30/12
20.	Rod Schroder	Superior Wall		5-30-12
21.	Ole Madsen	427252		5-30-12
22.	ANDREW MCSHANE	SUPERIOR WALL		5-30-12
23.	JEFF LEDNER	SUPERIOR		5-30-12
24.	Shawn Benavente	Superior wall		5-30-12
25.	Mace Mesler	Fullmer / Superior		5-30-12
26.	Joseph Lord	Fullmer/Superior		5-30-12
27.	MIKE MARTINEZ	Fullmer / Superior		5-30-12
28.	JARED VIOLA	BECHTEL		5/30/12
29.	MARK VOROSHUCK	103192		5-30-12
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Trainer: Cody Mowdy Signature: _____ Date: 5/30/12

Certification of Completion of Worker Environmental Awareness Program Training

Ivanpah Solar Electric Generating System Project, San Bernardino County, California
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No.	Employee Name	Company	Signature	Date
1.	[illegible]	103244		05/31/12
2.	Richard Vaughn	103247		5-31-12
3.	Keith Phillips	103232		5/31/12
4.	TRACEY DAVIS	103217		5/31/12
5.	Bryant Valentine	103219		5/31/12
6.	David G Mendoza	103248		05/31/12
7.	Jose Arraga	103246		05/31/12
8.	JOE BARELA	103220		5/31/12
9.	Blake Sanders	103222		5-31-12
10.	THIPHACHANH CHALEUNRATH	103223		5-31-12
11.	Michael Coleman	103224		5-31-12
12.	Samuel Castillo	103228		5-31-12
13.	Eduardo Albarran	103233		5-31-12
14.	JOSELITO QUITILEN	103240		5-31-12
15.	JOEL CALIXTO	103227		5-31-12
16.	Eugene M. Olvera	103236		5-31-12
17.	Walter Cuellar	103231		5-31-12
18.	Ricardo Avila	103216		5-31-12
19.	Wayne Kuka	103230		5-31-12
20.	FRED AGUILAR	103234		5-31-12
21.	Garry James	103225		5-31-12
22.	JUAN J. GUTIERREZ	103245		5-31-12
23.	Gonzalo Gonzalez	103215		5/31/12
24.	ALEX SANCHEZ	WESTERN PACIFIC		5/31/12
25.	ROY ARENA	WESTERN PACIFIC		5/31/12
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Trainer: Cody Mowdy Signature: _____ Date: 5/31/12

Certification of Completion of Worker Environmental Awareness Program Training

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No.	Employee Name	Company	Signature	Date
1.	W. Jason Sockwell	103182	W. Sockwell	5/31/12
2.	ALFRED MELANSON	103238	A. Melanson	5/31/2012
3.	Armando Sierra	103250	Armando Sierra	5/31/12
4.	Tuan Mai	103235		5/31/12
5.	Hoang Mai	103237		5/31/12
6.	Darrin Woods	100099		5/31/12
7.	Scott Klapp	103229		5-31-12
8.	Rudy Galindo	103243		5-31-12
9.	German Ramirez	103218		5/31/12
10.	Franklin J Mastrangelo	101581		5/31/12
11.	Erik Selberg	103221		5/31/12
12.	Jeff White	103127		5/31/12
13.	Jeff Jensen	103249		5/31/12
14.	Angel Pineda SR	103239		5-31-12
15.	ANTWUAN CHAVIES	CP103226		5.31.12
16.	Tony Russell	OE 103242		5-31-12
17.	William Kolson Jr	OE 103251	William Kolson Jr.	5-31-12
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Trainer: Cody Mowdy Signature: _____ Date: 5/31/12

Entered 6-11-12

Completion of Annual Retraining for the Ivanpah SEGS Worker Environmental Awareness Program Training

Ivanpah Solar Electric Generating System Project, San Bernardino County, California
Biological Resources, Cultural Resources and Paleontological Resources
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PLEASE PRINT CLEARLY OR YOU MAY NOT RECEIVE CREDIT FOR TAKING THIS CLASS!!!!

No.	Employee Name	Company	Signature	Date
1.	Darrel Shiffer	Bechtel		31MAY12
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Trainer: Cody Mowdy Signature: Date: 5/31/12

Exhibit 7

Cultural Resources
Monthly Monitoring Report
Conditions of Certification-CUL-7

Monthly Report of Cultural Resources Monitoring Activities for Ivanpah Solar Electric Generating System for May 2012; COC CUL-7

Prepared For: John Carrier/ISEGS Project Manager; Tracie Wheaton/BSE
Prepared By: Clint Helton/ISEGS CRS
Reporting For Period: May 2012

This report covers cultural resources monitoring activities at the Ivanpah Solar Electric Generating System for the month of May 2012, as required by Conditions of Certification CUL-7.

Personnel Active in Cultural Monitoring This Period

Clint Helton was on stand-by this month.

Monitoring and Associated Activities This Period

No monitoring occurred this month.

Cultural Resources Discoveries This Period

None

Anticipated Changes in the Next Period

The CRS and CRMs will remain on-call to respond to discoveries if they occur.

Comments, Issues or Concerns

None.

Exhibit 8

Paleontological Resource
Monthly Compliance Report
Condition of Certification
PAL-5

Monthly Report of Paleontological Resources Compliance Activities for Ivanpah Solar Electric Generating System for May 2012; COC PAL-5

Prepared For: Tracie Wheaton, BrightSource Energy
Doug Davis, BrightSource Energy
Jennifer Wallens, BrightSource Energy
John Carrier, CH2M HILL

Prepared By: Amy Lahav, Assistant Project Manager

Date: June 7, 2012

This report covers paleontological resources compliance activities at the Ivanpah Solar Electric Generating System for the period noted above, as required by Conditions of Certification PAL-4 and PAL-5.

Training Conducted This Month

Construction personnel continue to receive the CEC approved Paleontological Resources Awareness Module of the Worker Environmental Awareness Program (WEAP) prior to working on this project (COC PAL-4).

Paleontological Staff On Call During This Period

Dr. Geof Spaulding, Project Paleontological Resources Specialist (PRS)

Monitoring and Associated Activities This Period

Section 3.1 of the Ivanpah SEGS Paleontological Resources Monitoring and Mitigation Plan (PRMMP) states the following:

> The project area possesses low paleontological sensitivity. Therefore, this PRMMP will not be implemented unless and until the PRS determines that potentially fossiliferous sediments may be, or have been encountered by construction equipment, pursuant to the condition stipulated in COCs PAL-3 and PAL-4.

The exception to the above is the administration of the paleontological resources awareness module of WEAP, which is provided to all construction personnel before starting work at the site.

As a result of the low paleontological resources sensitivity of the project site, no full-time paleontological resources monitoring has been conducted.

Anticipated Changes in the Next Period

No changes are anticipated at this time.

Comments, Issues or Concerns

None.

Exhibit 9

Biological Resources Monthly Monitoring Report
Conditions of Certification
BIO-2, BIO-7, BIO-8, BIO-11, BIO-16, BIO-18, & BIO-21

Attention: Doug Davis
Senior Compliance Manager
BrightSource Energy
100302 Yates Well Road
Nipton, CA 92366
Office: 510-250-6974

June 5, 2012

REGARDING: ISEGS Monthly Compliance Report, May 1, 2012- May 31, 2012.

As per the California Energy Commission (CEC) Ivanpah Solar Electric Generating System (ISEGS) Commission Decision, CEC-800-2010-004 CMF, the following monthly report briefly summarizes compliance with biological resource activities during the period from May 1, 2012 through May 31, 2012 on construction of the ISEGS Project in Ivanpah Valley, San Bernardino County, California.

Desert Tortoises on the Project, Recipient and Control Sites

All telemetered tortoises on site were radio tracked on a weekly basis (per the terms of the June 10, 2011 Biological Opinion.) All adult tortoises awaiting long-distance translocation resided in holding pens that contain only one adult tortoise, effectively quarantining each adult animal. See Figures 1-10 for initial and recent locations of all project tortoises. See Table 1 for the ISEGS Desert Tortoise Master List for 2010, Table 2 for the ISEGS Desert Tortoise Master List for 2011 and Table 3 for the ISEGS Desert Tortoise Master List for 2012.

Injured or Sick Monitored Tortoises

Two adult monitored tortoises were injured or sick and residing in the holding pens in May 2012.

- Adult female BS507, the tortoise found with an injury to its cloacal area in November 2011, was placed in a holding pen on site in April 2012 and will require daily care for at least one year to manage the cloacal wound. After one year the tortoise will be assessed as to whether or not she can return to the wild.

- Adult tortoise BS82 was found to have an oral plaque by an ISEGS biologist during a health assessment in the fall of 2011. (This tortoise was also previously attacked by a coyote and had its right hind limb amputated in 2011). On April 23, 2012, Dr. Boyer performed a biopsy of the oral plaque. The biopsy came back positive for chelonian herpes. Due to this diagnosis, the US Fish and Wildlife Service (FWS) recommended that the tortoise not be returned to the wild. The Designated Biologist is currently seeking out a long-term care facility for the tortoise. Until one is found, the tortoise will remain in an individual quarantine holding pen, unable to interact with other tortoises.

Deceased Monitored Tortoises

Two monitored tortoises were found deceased in the control area in May 2012.

- On the morning of May 23, 2012, biologists conducting health assessments on tortoises in the control area found tortoise BS601 (91 mm MCL) deceased. BS601 was originally encountered and transmittered on October 14, 2011. It had since been tracked weekly, and was last tracked alive three days prior, on May 20, 2012. The biologists found the tortoise on its back in the open. There were void stains on the anal scutes of the plastron, suggesting the animal had been overturned and likely died due to overheating. Based on the mostly intact condition of the tissue and shell, and the fact that it was seen alive three days prior, the estimated time of death was within two days from time of discovery. The fore and hind limbs of the tortoise had been gnawed on by rodents, which, due to the small amount of scavenging present, likely occurred after death. There was no evidence at the site to suggest how the animal was overturned. No tortoise or predator tracks were seen around the carcass, however the area consisted of hard-packed soil making it difficult to discern if any other animal tracks were present. The cause of death was most likely hyperthermia caused by BS601 being unable to right itself after being overturned. See Figure 11 for a map of the location of deceased tortoise BS601.

- On May 23, 2012, a biologist radio-tracking tortoises in the control area found the transmitter for BS603 (108 mm MCL) on the ground with no sign of the tortoise. On May 25, 2012, a biologist conducting a search for BS603 found roughly 50% of its carapace. The carapace was found approximately twelve meters from where the transmitter was located. The carapace showed evidence of chewing on the pygal, costal, and vertebral scutes as well as small mammalian hairs stuck to it suggesting attack by a mammal. There was no additional evidence at the site to suggest how the animal died. The area where BS603 was found consisted of hard-packed soil making it difficult to discern if any other animal tracks were present. Although evidence suggested the tortoise died from a canid attack, the chew marks could have been attributed to post-mortem scavenging. BS603 was originally encountered and transmittered on October 14, 2011. It had since been tracked weekly and was last tracked alive on May 14, 2012. See Figure 12 for a map of the location of deceased tortoise BS603.

Missing Monitored Tortoises

Six monitored tortoises were missing in May. Three of them were radio-tracked tortoises in the recipient area, and an additional three were juvenile Head Start animals (not radio tracked) in the Head Start pens. Biologists continued to listen for radio signals for the missing tortoises with transmitters that should still be functioning (their batteries had not yet been scheduled to expire.) Radio tracking will continue for these tortoises until the transmitters are scheduled to expire. Husbandry personnel will continue to search for the three missing juvenile tortoises in the holding pens. Please see Table 4 for a list and description of the missing tortoises.

Holding Pens

In compliance with the Husbandry Plan developed for the ISEGS Project, desert tortoises moved to the holding pens within the Common West area were monitored daily. As of May 31, 2012, there were 124

tortoises residing in the holding pens. This included 19 adult tortoises (each in an individual, quarantined pen) and 105 non-adult (Head Start) tortoises (these tortoises share pens unless they test positive or suspect for disease, per the mandates of the Husbandry Plan). Three tortoises were missing in the pens as of May 31, 2012 (see Table 4 for details).

As per the summer husbandry protocols, all captive tortoises were provided food and 24-hour access to fresh water. In addition to access to the naturally growing annuals in the holding pens, the tortoises were offered a 75%/25% mixture of dry, weed-free Timothy Grass/Wheat Grass. A combination of fresh chopped organic kale, chard, and dandelion greens mixed with "Rep-Cal" brand Calcium/Vitamin D Ultrafine powder (at a ratio of ½ TBS per pound of food) was offered on a once per week basis. In addition, pieces of "Petco" brand Calci-Treat Bone have been placed inside each pen for the tortoises to browse on at their discretion.

Throughout the month of May, ant bait stations were deployed in and among the pen aisles as a broad-scale preventative measure against fire ant proliferation.

Monitored Tortoise Health Assessments

Health assessments were performed on 414 monitored desert tortoises in the recipient area, control area and holding pens in May. Assessments began on May 12, 2012, for tortoises recorded out of brumation for at least six weeks, and on May 15, 2012, for the rest of the tortoises (as stipulated in the 2011 Biological Opinion). ELISA test (a test for antibodies to *Mycoplasma agassizii* and *Mycoplasma testudineum*) results were received for 156 tortoises. Zero tortoises tested positive for *M. agassizii*, two tortoises (BS192 and BS02) tested suspect and 154 tortoises tested negative. 47 Tortoises tested positive for *M. testudineum*, 45 tortoises tested suspect and 64 tortoises tested negative. No treatment is offered to tortoises with positive or suspect ELISA results. All adult tortoises in the holding pens are held in individual pens, preventing any contact between potentially infected tortoises.

Radiography

Radiography (x-ray for eggs) began on six female tortoises in the holding pens in May. Five of these tortoises were female long-distance translocation tortoises that resided in the pens awaiting proper weather and season conditions allowing for long-distance translocation. (One of those five tortoises was of undetermined sex until this spring when it was determined to be a female, raising the previous number of four long-distance translocatee females to five.) The sixth female tortoise was BS507, the control tortoise found with a cloacal wound that resided in the pens in May awaiting recovery. X-rays were taken of the tortoises twice per month to determine whether or not they had eggs. None of the six tortoises showed eggs developing in May.

Ongoing Construction Monitoring and Surveys

Biological monitors walking fence lines located approximately six monitored tortoises walking along the outside of the fence throughout the site in May. The tortoises were immediately reported to the Designated Biologist and were monitored to ensure the tortoises were not stressed. All tortoises

eventually wandered away from the fence line, back into the recipient area without incident. Approximately five tortoises were seen using the shade structures installed by biologists in April along the outside fence line throughout May.

No sensitive wildlife was found inside the construction site during monitoring activities in May. Monitors captured and relocated a total of approximately ten snakes (including venomous and non-venomous species) from within the project boundaries when they were found in May. Non-venomous snakes and reptiles were relocated a short distance away from their capture location, usually within the project boundary. Venomous snakes were relocated outside the construction perimeter.

Unit 1

A biologist monitored trenches and surveyed the fence lines through the day for breeches and tortoise activity. No breeches were found. Tortoise activity is noted in the first paragraph in this section. Routine construction activities continued in the unit with support from a biological monitor as needed. A driller and inserter worked in Unit 1 throughout the month installing and adjusting specific pylons. As of May 31, 2012, over 90 percent of the pylons were installed in the Unit 1 solar field.

The installation of heliostat mirrors on the pylons in Unit 1 continued with nine crews working, though on windy days work was suspended. Each crew had a crane, a tractor, one to three trailers loaded with heliostats, and support vehicles (pickups and maintenance equipment).

Electrical trenches were excavated, filled with wiring, then backfilled.

A biological monitor provided support to the work within the power block when wildlife was found. Please see sections below on "Nesting Birds," "Burrowing Owls," and "Kit Fox, Badger and Mammal Burrow Monitoring" and the first paragraph of this section "Ongoing Construction Monitoring and Surveys" for information on wildlife found in the construction area.

Unit 2

A biologist monitored trenches and surveyed the fence lines through the day for breeches and tortoise activity. No breeches were found. Tortoise activity is noted in the first paragraph in this section.

Routine construction activities continued in the unit with support from a biological monitor as needed. Two to three monitors worked with the mower.

Fourteen Hercules worked in Unit 2 during the month, drilling and inserting pylons in the northwestern sector.

Installation of mirrors in Unit 2 was mostly suspended during the month, with only a few scattered days of activity. By May 31, 2012 approximately 25 percent of mirrors were installed.

One mower worked in Unit 2 throughout the month with a second mower added the week of May 14th. One to two monitors searched in front of each mower for burrows and other sign of tortoise or species of concern. No sign of tortoise was found. A birder searched for nests and bird activity in front of the

mower monitors. Mowing in Unit 2 finished the week of May 21. One small buffer area around an active fox den remains to be mowed.

A biological monitor provided support to the work within the power block when wildlife was found. Please see sections below on "Nesting Birds," "Burrowing Owls," and "Kit Fox, Badger and Mammal Burrow Monitoring" and the first paragraph of this section "Ongoing Construction Monitoring and Surveys" for information on wildlife found in the construction area.

Unit 3

A biologist monitored trenches and surveyed the fence lines through the day for breeches and tortoise activity. No breeches were found. Tortoise activity is noted in the first paragraph in this section.

Through the month, the work in Unit 3 was largely limited to the power block, gas line, and access roads. Two mowers began mowing in Unit 3 the week of May 21, 2012. They began in the southwest corner of the unit. One to two monitors were with each mower and a birder searched for active nests ahead of them.

A biological monitor provided support to the work within the power block when wildlife was found. Please see sections below on "Nesting Birds," "Burrowing Owls," and "Kit Fox, Badger and Mammal Burrow Monitoring" and the first paragraph of this section "Ongoing Construction Monitoring and Surveys" for information on wildlife found in the construction area.

CLA

One biological monitor supported work in the equipment laydown areas, and general construction activities, and supported the monitor in Unit 1.

The black silt fence material was removed from the east boundary fence of Commons East on May 3, 2012, to reduce risk to tortoises and other wildlife.

115kV Trench west of Commons East

Trenching in the 115-line extension continued. By the end of the month, the south trench was backfilled and the north trench excavated and conduit laid. The western portion of the trench remained open and was checked throughout each day for trapped wildlife. No trapped wildlife was located in May.

SCE Fiber Optic Line through 115kV and Switchyard

PAR worked on a SCE project on the west end of the 115kV ROW. They had their own biological monitors but the work required openings in ISEGS tortoise exclusion fences. A biologist monitored the openings to ensure no tortoises gained access to the ISEGS project area. No tortoises were seen.

Yates Well Road Fence Construction and Clearance

The right of way south and west of Yates Well Road was surveyed for nesting birds and tortoises. Three clearance passes for tortoises were completed with no tortoises encountered. Two to three monitors

covered tortoise exclusion fence construction, including monitoring the crews and crew trucks providing escorts to the water truck and material delivery until the work was completed on May 16, 2012. After the fence was completed, monitoring of the road was no longer necessary.

Tortoise guards were installed at the entrance to the AT&T optical line running south from Yates Well Rd. and at the southwest corner of the Primm Valley Golf Course. The final tortoise guard was installed on May 24, 2012 near the southwest corner of the Primm Valley Golf Course.

ISEGS-Kern River Gas Line Tap

Tortoise activity was high in May throughout the recipient area due to the natural spring active season. Construction activities on the gas line and tie-in in the recipient area north of Unit 3 were also active in May. Trenching, pipefitting, and backfilling activities required numerous monitors in response to the risk of harm to tortoises in this area, outside the project's fence line. Between four and 12 biologists monitored trenching and trenches, delivery of materials, installation of gas pipe, pigging, backfilling, construction of the tie-in, and provided biological escorts for all vehicles traveling along the gas line which extends beyond the boundary fence of Unit 3. Monitored tortoises within 100 meters of the ROW were checked daily. A 63 mm MCL unmarked juvenile tortoise was found crossing the open ROW on May 23, 2012 by a biologist escorting a water pull and survey truck. The tortoise was moved off of the right of way and was monitored throughout the rest of the day.

Heliostat Ground Disturbance Monitoring

Biological monitors worked with heliostat crews through May 23, 2012 to assess installation locations for potential ground or vegetation interference with the mirrors and to apply standards set by BLM for acceptable ground disturbance at each. Typically, three biological monitors worked on this task each day, though only one crew with one biologist worked for the week of May 14-17, 2012. No wildlife was found. After May 17, 2012, Solar Partners decided to complete this work using heliostat sensors, ending the need for biological monitor support.

Clearance

Desert tortoise clearance surveys were performed in a small area south of the Primm Valley Golf Course May 25-27, 2012. The area surveyed is bound by the golf course to the north, I-15 to the east (unfenced), Yates Well Rd. (fenced) to the south and Colosseum Rd. (fenced) to the west. Three survey passes were completed. The first pass was conducted with 5 meter spacing between surveyors and the final two at 10 meters. No tortoise sign (burrows, scat, tracks, carcasses) of any kind was found.

Miscellaneous

Biological monitors discovered evidence of significant equipment and materials vandalism on Sunday morning, May 20, 2012 and reported it to security. Monitoring support was provided outside the project boundary north and west of Unit 3 to law enforcement. ISEGS biological monitors were also present during the investigation and recovery of stolen property. Impacted areas were searched for injured tortoises, but none were found.

Monitors provided miscellaneous escorts as needed for people who needed to visit areas outside the boundary fence, such as the weather station or survey points outside the project boundary.

Nesting Birds

On May 7, 2012 a recently constructed loggerhead shrike nest was found with no eggs in Unit 2. A buffer of 80 meters was established around the nest, and then was expanded by 20 meters to allow for more brush cover. Only a single adult was observed in the area. Eggs were never laid, and the buffer was removed on May 15, 2012 after the nest was found damaged, probably by scavenging mammals. Three bird nests were dismantled on site by biologists: one Say's Phoebe nest found in Unit 1 on May 15, 2012 under a flat bed trailer, and two black-throated sparrow nests found May 23, 2012 and May 29, 2012 in Unit 3 ahead of mowing operations. No active bird nests remained on ISEGS as of May 31, 2012. See Table 5 for the ISEGS Nesting Bird Master List. See Figure 13 for a map of nesting bird locations on site.

Burrowing Owls

No visual or auditory detections of burrowing owls were made during routine monitoring or pre-construction surveys on site or in adjacent recipient areas throughout May. No fresh burrowing owl sign was detected on site during routine monitoring or pre-construction surveys.

Golden Eagle and Red-tailed Hawk Nests

No golden eagles or red tail hawks were nesting on the ISGES construction site during routine monitoring or preconstruction surveys in May.

The golden eagles at the Umberci Mine (approximately five kilometers north of Unit 3) never made a nesting attempt this year. They were observed twice in May.

The five active red-tailed hawk nests located on the Ivanpah Valley transmission lines (approximately two kilometers south of ISEGS Commons West) were all rearing nestlings in May. They are expected to fledge in mid to late June.

Raven Monitoring and Management

Throughout May, four pairs of adult ravens used the construction site on a daily basis to forage and acquire water. One of these pairs brought three fledglings onto the site. An estimated additional one to two adult ravens were observed using the site on an irregular basis. Infrequent observations cannot determine if these were transient birds passing through, or the same one to two birds visiting rarely from more distant territories.

The majority of raven foraging on site was for ground scraps discarded by construction workers, in all areas including power blocks, solar fields, gas lines, and Commons areas. Repeated, ongoing foraging was also observed in the parking lots of Unit 1 and Commons East, where ravens procured food from the beds of pick-up trucks. Bagged food trash and uncovered dumpsters were utilized by ravens, but

documented to a lesser extent. Ravens were seen drinking water from ground puddles created by water trucks, surface ponds and runoff in Commons West related to water truck filling, and ponds created on top of dirt stockpiles for dust control and screening.

Ten total raven's nests were located and monitored this season. All were off site in the recipient area. Nine of these nests were observed every 5-7 days since mid-April to determine success or failure, and number of nestlings produced. Juvenile tortoise carcass surveys were performed underneath the active nests on every visit. To date no tortoise carcasses were found under these nests.

Kit Fox, Badger and Mammal Burrow Monitoring

A total of 29 individual burrows have been identified on the ISEGS site in 2012, 18 of which were monitored in May. The previously identified kit fox burrow in Unit 2 (Den 8) continues to be active and buffered to 80 meters. The kit fox burrows in Unit 3 (Dens 4 and 7) have been active in recent months, but were recently abandoned and were excavated after three days of camera monitoring. A new burrow (Den 20) was identified in Unit 2 near the intersection of Colosseum Road and the Unit 2 powerblock access road. Camera monitoring verified it was occupied by an adult pair of kit fox and was buffered to 80 meters.

Several burrows in Unit 2 and Unit 3 (Dens 14, 15, 17, 18, 21 23, 24, 25, 26, and 29) were camera monitored prior to excavation. Den 21 had intermittent rabbit use and was visited by kit fox on several occasions. Although no fox entered the burrow or appeared to use it, cameras monitored the site for seven days to verify inactivity prior to excavation. All other camera monitored burrows were excavated after three days of inactivity. Dens 16 and 22 were old or deteriorated and were excavated without camera monitoring. Despite the large number of burrows excavated this month, many were likely foraging excavations or old rabbit burrows not used as shelter sites for kit fox or badger. As of May 31, 2012 cameras monitor two burrows (Dens 27 and 28) in Unit 3, but do not appear to be active. See Figure 14 for a map of mammal burrow locations.

No badgers were detected on site in May during routine monitoring and pre-construction surveys.

Other Animal Species

No other animal species were noted on site in May during routine monitoring and pre-construction surveys.

Table 1. 2010 Desert tortoise Master List for all Tortoises Encountered and Marked Between October 8, 2010 and December 31, 2010.

Disposition Table Legend	
Term	**Explanation**
NT	Non-transmittered
Inj	Injured
Vet	Dr. Thomas Boyer, Pet Hospital of Penasquitos 9888 Carmel Mountain Rd. Ste F. San Diego, CA 92129
MNP	Mojave National Preserve
DTCC	Desert Tortoise Conservation Center

* BS191 and BS193 have approximate Initial Process Dates

Tort ID	Initial Process Location (GIS)	Pen #	Sex	Initial MCL	Recent MCL	Initial Process Date	Transmitter (Yes/No)	2010 Oct	Nov	Dec
BS01	Ivanpah 1	4	Female	184	186	10/9/10	Yes	Pens	Pens	Pens
BS02	Ivanpah 1	9	Male	264	271	10/9/10	Yes	Pens	Pens	Pens
BS03	Common East		Female	227	233	10/10/10	No	Recipient	Recipient	Recipient
BS04	Ivanpah 1		Male	252	259	10/10/10	Yes	Recipient	Recipient	Recipient
BS05	Ivanpah 2	41	Male	216	230	10/10/10	Yes	Ivanpah 2	Ivanpah 2	Ivanpah 2
BS06	Ivanpah 1		Male	257	269	10/11/10	Yes	Recipient	Recipient	Recipient
BS07	Recipient Site		Unknown	94	106	10/12/10	Yes	Recipient	Recipient	Recipient
BS08	Ivanpah 1		Female	209	207	10/12/10	Yes	Recipient	Recipient	Recipient
BS09	Ivanpah 1	11	Male	253	260	10/14/10	Yes	Pens	Pens	Pens
BS10	Recipient Site		Male	277	279	10/14/10	Yes	Recipient	Recipient	Recipient
BS11	Recipient Site		Female	199	213	10/16/10	Yes	Recipient	Recipient	Recipient
BS12	Recipient Site		Female	209	215	10/16/10	Yes	Recipient	Recipient	Recipient
BS13	Recipient Site		Male	245	242	10/19/10	Yes	Recipient	Recipient	Recipient
BS14	Ivanpah 1	6	Female	224	232	10/19/10	Yes	Pens	Pens	Pens
BS15	Recipient Site		Unknown	190	199	10/19/10	Yes	Recipient	Recipient	Recipient

BS16	Recipient Site		Female	224	226	10/19/10	Yes	Recipient	Recipient	Recipient
BS17	Common East	17	Unknown	116	125	10/20/10	No	Pens	Pens	Pens
BS18	Ivanpah 1	34	Unknown	72	74	10/20/10	No	Pens	Pens	Pens
BS19	Recipient Site		Unknown	118	128	10/21/10	Yes	Recipient	Recipient	Recipient
BS20	Ivanpah 2		Female	215	215	10/20/10	No	Inj_DTCC_Euthenized		
BS21	Ivanpah 1		Female	241	244	10/21/10	Yes	Recipient	Recipient	Recipient
BS22	Ivanpah 1	7	Male	231	235	10/22/10	Yes	Pens	Pens	Pens
BS23	Recipient Site		Female	242	247	10/23/10	Yes	Recipient	Recipient	Recipient
BS24	Common West	42	Male	184	200	10/25/10	Yes	Ivanpah 2	Ivanpah 2	Ivanpah 2
BS25	Ivanpah 1	3	Unknown	168	197	10/26/10	No	Pens	Pens	Pens
BS26	Ivanpah 1	17	Unknown	123	143	10/27/10	No	Pens	Pens	Pens
BS27	Common East	15	Female	232	233	10/28/10	No	Pens	Pens	Pens
BS28	Ivanpah 1	1	Female	217	220	10/28/10	Yes	Pens	Pens	Pens
BS29	Ivanpah 1	2	Male	265	247	10/28/10	No	Pens	Pens	Pens
BS30	Recipient Site		Male	243	247	10/29/10	Yes	Recipient	Recipient	Recipient
BS31	Ivanpah 1	20	Unknown	133	159	10/29/10	No	Pens	Pens	Pens
BS32	Ivanpah 1	8	Male	252	255	10/29/10	No	Pens	Pens	Pens
BS33	Recipient Site		Female	228	227	10/29/10	Yes	Recipient	Recipient	Recipient
BS34	Ivanpah 1	5	Female	214	222	10/29/10	No	Pens	Pens	Pens
BS35	Ivanpah 1	35	Unknown	143	173	10/29/10	Yes	Pens	Pens	Pens
BS36	Ivanpah 1	33	Unknown	150	180	10/30/10	Yes	Pens	Pens	Pens
BS37	Ivanpah 2	12	Male	243	254	10/30/10	No	Pens	Pens	Pens
BS38	Ivanpah 1	13	Female	223	231	10/30/10	No	Pens	Pens	Pens
BS39	Ivanpah 1	34	Unknown	61	67	11/1/10	No		Pens	Pens
BS40	Ivanpah 1	34	Unknown	69	94	11/1/10	No		Pens	Pens
BS41	Ivanpah 1	17	Unknown	118	151	11/1/10	Yes		Pens	Pens
BS42	Ivanpah 1	18	Unknown	53	81	12/17/10	No			Pens
BS43	Ivanpah 1	18	Unknown	53	53	12/20/10	No			Pens
BS100	Ivanpah 1		Male	249	254	10/12/10	Yes	Recipient	Recipient	Recipient
BS101	Recipient Site		Male	273	273	10/14/10	Yes	Recipient	Recipient	Recipient
BS102	Recipient Site		Male	270	271	10/14/10	Yes	Recipient	Recipient	Recipient
BS103	Ivanpah 1	16	Male	246	252	10/15/10	Yes	Pens	Pens	Pens
BS104	Recipient Site		Male	265	265	10/15/10	No	Deceased		

Table 2. 2011 Desert tortoise Master List for all Tortoises Encountered and Marked Between January 1, 2011 and December 31, 2011.

Tort ID	Initial Process Location (GIS)	Pen #	Sex	Initial MCL	Recent MCL	Initial Process	Transmitter (Yes/No)	2011 Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec

						Date													
BS01	Ivanpah 1	4	Female	184	186	10/9/10	Yes	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS02	Ivanpah 1	9	Male	264	271	10/9/10	Yes	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS03	Common East		Female	227	233	10/10/10	No	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Deceased				
BS04	Ivanpah 1		Male	252	259	10/10/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS05	Ivanpah 2	41	Male	216	230	10/10/10	Yes	Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Pens	Pens	Pens	Pens
BS06	Ivanpah 1		Male	257	269	10/11/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS07	Recipient Site		Unknown	94	106	10/12/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS08	Ivanpah 1		Female	209	207	10/12/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS09	Ivanpah 1	11	Male	253	260	10/14/10	Yes	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS10	Recipient Site		Male	277	279	10/14/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS11	Recipient Site		Female	199	213	10/16/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS12	Recipient Site		Female	209	215	10/16/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS13	Recipient Site		Male	245	242	10/19/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS14	Ivanpah 1	6	Female	224	232	10/19/10	Yes	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS15	Recipient Site		Unknown	190	199	10/19/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS16	Recipient Site		Female	224	226	10/19/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS17	Common East	17	Unknown	116	125	10/20/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS18	Ivanpah 1	34	Unknown	72	74	10/20/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS19	Recipient Site		Unknown	118	128	10/21/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS20	Ivanpah 2		Female	215	215	10/20/10	No	Inj_DTCC_Euthenized (Oct 2010)											
BS21	Ivanpah 1		Female	241	244	10/21/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS22	Ivanpah 1	7	Male	231	235	10/22/10	Yes	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS23	Recipient Site		Female	242	247	10/23/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS24	Common West	42	Male	184	200	10/25/10	Yes	Ivanpah 2	Ivanpah 2	Ivanpah 2	MNP-Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Pens	Pens	Pens	Pens
BS25	Ivanpah 1	3	Unknown	168	197	10/26/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS26	Ivanpah 1	17	Unknown	123	143	10/27/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS27	Common East	15	Female	232	233	10/28/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS28	Ivanpah 1	1	Female	217	220	10/28/10	Yes	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS29	Ivanpah 1	2	Male	265	247	10/28/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS30	Recipient Site		Male	243	247	10/29/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS31	Ivanpah 1	20	Unknown	133	159	10/29/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS32	Ivanpah 1	8	Male	252	255	10/29/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS33	Recipient Site		Female	228	227	10/29/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS34	Ivanpah 1	5	Female	214	222	10/29/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS35	Ivanpah 1	35	Unknown	143	173	10/29/10	Yes	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS36	Ivanpah 1	33	Unknown	150	180	10/30/10	Yes	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS37	Ivanpah 2	12	Male	243	254	10/30/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS38	Ivanpah 1	13	Female	223	231	10/30/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens

BS39	Ivanpah 1	34	Unknown	61	67	11/1/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS40	Ivanpah 1	34	Unknown	69	94	11/1/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS41	Ivanpah 1	17	Unknown	118	151	11/1/10	Yes	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS42	Ivanpah 1	18	Unknown	53	81	12/17/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS43	Ivanpah 1	18	Unknown	53	53	12/20/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS44	Ivanpah 1	10	Female	194	195	2/16/11	No		Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS45	Recipient Site		Female	223	225	3/5/11	Yes			Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS46	Ivanpah 3		Female	209	216	3/5/11	Yes			Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS47	Ivanpah 3	24	Female	242	239	3/8/11	Yes			Ivanpah 3	MNP-Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS48	Ivanpah 2	34	Unknown	86	88	3/9/11	No			Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS49	Ivanpah 3		Male	209	220	3/9/11	Yes			Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS50	Ivanpah 3		Male	204	214	3/11/11	Yes			Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS51	Ivanpah 3	72	Male	234	247	3/11/11	Yes			Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Pens	Pens	Pens	Pens	Pens
BS52	Ivanpah 3	14	Male	176	209	3/10/11	No			Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS53	Common East	18	Unknown	46	52	3/10/11	No			Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS54	Ivanpah 3	18	Unknown	47	47	3/12/11	No			Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS55	Recipient Site		Female	226	235	3/12/11	Yes			Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS56	Recipient Site		Male	236	237	3/14/11	Yes			Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS57	Ivanpah 3	28	Female	218	220	3/14/11	Yes			Ivanpah 3	Ivanpah 3	MNP-Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS58	Ivanpah 3	57	Unknown	138	154	3/15/11	Yes			Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Pens	Pens	Pens	Pens	Pens
BS59	Ivanpah 3	43	Unknown	67	77	3/15/11	No			Ivanpah 3	Ivanpah 3	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS60	Recipient Site		Unknown	173	177	3/15/11	Yes			Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS61	Ivanpah 2	25	Female	217	220	3/15/11	Yes			Ivanpah 2	MNP-Pens	MNP-Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS62	Ivanpah 3		Male	200	206	3/15/11	Yes			Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Recipient	Recipient	Recipient	Recipient	Recipient
BS63	Ivanpah 3	18	Unknown	40	58	3/16/11	No			Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS64	Ivanpah 3	31	Male	199	205	3/16/11	Yes			Ivanpah 3	Ivanpah 3	MNP-Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS65	Ivanpah 3	52	Female	210	213	3/16/11	Yes			Recipient	Recipient	Recipient	Recipient	Recipient	Ivanpah 3	Pens	Pens	Pens	Pens	Pens	Pens
BS66	Ivanpah 3	61	Female	190	215	3/16/11	Yes			Ivanpah 3	MNP-Ivanpah 3	MNP-Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Pens	Pens	Pens	Pens	Pens	Pens
BS67	Ivanpah 2	34	Unknown	71	100	3/16/11	No			Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS68	Ivanpah 2	47	Male	265	266	3/16/11	Yes			Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Pens	Pens	Pens	Pens	Pens	Pens
BS69	Ivanpah 3		Male	251	259	3/16/11	Yes			Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS70	Recipient Site		Unknown	131	150	3/17/11	Yes			Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS71	Ivanpah 3		Female	216	221	3/17/11	Yes			Ivanpah 3	MNP-Pens	MNP-Pens	Pens	Pens	Pens	Pens	Recipient	Recipient	Recipient	Recipient	Recipient
BS72	Ivanpah 2	34	Unknown	57	77	3/21/11	No			Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS73	Ivanpah 3		Unknown	47	47	3/22/11	No			Deceased											
BS74	Recipient Site		Male	176	189	3/22/11	Yes			Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS75	Recipient Site		Unknown	83	97	3/22/11	Yes			Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS76	Recipient Site		Female	226	226	3/23/11	Yes			Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS77	Ivanpah 2	21	Female	228	220	3/23/11	Yes			Ivanpah 2	MNP-Pens	MNP-Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS78	Recipient Site		Male	248	254	3/28/11	Yes			Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient

BS79	Ivanpah 2	37	Female	243	246	3/28/11	Yes			Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Pens	Pens	Pens	Pens
BS80	Ivanpah 3		Male	255	258	3/28/11	Yes			Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Ivanpah 3	Recipient	Recipient	Recipient
BS81	Ivanpah 3	50	Male	254	255	3/28/11	Yes			Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Pens	Pens	Pens	Pens
BS82	Ivanpah 3	44	Male	217	218	3/28/11	No			Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	At Vet in San Diego	Pens	Pens	Pens	Pens	Pens
BS83	Ivanpah 3		Male	257	257	3/29/11	No			Ivanpah 3	Deceased								
BS84	Recipient Site		Male	237	242	3/27/11	Yes			Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS85	Ivanpah 3	57	Unknown	136	154	3/30/11	Yes			Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Pens	Pens	Pens	Pens
BS86	Ivanpah 3		Male	251	254	3/30/11	Yes			Ivanpah 3	Ivanpah 3	Ivanpah 3	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS87	Ivanpah 3	213	Unknown	72	87	3/30/11	No			Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Pens	Pens	Pens	Pens	Pens
BS88	Ivanpah 2	49	Male	272	268	3/30/11	Yes			Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Pens	Pens	Pens	Pens
BS89	Recipient Site		Male	250	255	3/30/11	Yes			Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS90	Ivanpah 3	69	Male	270	270	3/30/11	Yes			Ivanpah 3	Recipient	Recipient	Recipient	Recipient	Recipient	Ivanpah 3	Pens	Pens	Pens
BS91	Ivanpah 3	29	Female	235	236	3/30/11	Yes			Recipient	Recipient	MNP-Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS92	Ivanpah 2	38	Male	269	273	3/31/11	Yes			Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Pens	Pens	Pens	Pens
BS93	Recipient Site		Male	292	293	3/31/11	Yes			Ivanpah 3	Ivanpah 3	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS94	Ivanpah 3	62	Female	211	225	3/31/11	Yes			Ivanpah 3	MNP-Ivanpah 3	MNP-Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Pens	Pens	Pens	Pens
BS95	Ivanpah 3	23	Female	245	248	3/31/11	Yes			Ivanpah 3	MNP-Pens	MNP-Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS96	Recipient Site		Female	213	220	3/31/11	Yes			Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS97	Ivanpah 3	70	Male	203	216	4/1/11	Yes				Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Pens	Pens	Pens
BS98	Ivanpah 3	60	Unknown	102	116	4/1/11	Yes				Ivanpah 3	Recipient	Recipient	Ivanpah 3	Ivanpah 3	Ivanpah 3	Pens	Pens	Pens
BS99	Recipient Site		Unknown	157	181	4/2/11	Yes				Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Recipient	Recipient	Recipient	Recipient
BS100	Ivanpah 1		Male	249	254	10/12/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS101	Recipient Site		Male	273	273	10/14/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS102	Recipient Site		Male	270	271	10/14/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS103	Ivanpah 1	16	Male	246	252	10/15/10	Yes	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS104	Recipient Site		Male	265	265	10/15/10	No	Deceased (Oct 2010)											
BS105	Recipient Site		Male	253	258	4/2/11	Yes				Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS106	Ivanpah 3	32	Unknown	68	69	4/2/11	No				Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS107	Recipient Site		Female	232	237	4/2/11	Yes				Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS108	Recipient Site		Male	264	267	4/2/11	Yes				Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS109	Recipient Site		Male	267	266	4/3/11	Yes				Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS110	Ivanpah 3	48	Male	270	271	4/3/11	Yes				Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Pens	Pens	Pens	Pens
BS111	Recipient Site		Female	227	225	4/3/11	Yes				Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS112	Common West	18	Unknown	44	48	4/4/11	No				Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS113	Recipient Site		Male	230	239	4/4/11	Yes				Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS114	Ivanpah 3		Male	272	270	4/5/11	Yes				Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3	Recipient	Recipient	Recipient	Recipient
BS115	Ivanpah 3	32	Unknown	64	82	4/5/11	No				Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS116	Ivanpah 3		Female	190	192	4/6/11	Yes				Ivanpah 3	Ivanpah 3	Ivanpah 3	Missing	Missing	Missing	Missing	Missing	Missing
BS117	Ivanpah 2	53	Male	231	238	4/6/11	Yes				Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Pens	Pens	Pens	Pens

BS118	Recipient Site		Unknown	121	121	4/10/11	No	Deceased											
BS119	Recipient Site		Unknown	57	57	4/10/11	No	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT
BS120	Recipient Site		Male	263	263	4/11/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS121	Recipient Site		Male	246	251	4/12/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS122	Ivanpah 3	65	Female	194	205	4/12/11	Yes	Recipient	Recipient	Recipient	Recipient	Ivanpah 3	Pens	Pens	Pens	Pens
BS123	Ivanpah 1	32	Unknown	57	62	4/13/11	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS124	Recipient Site		Male	235	232	4/13/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS125	Recipient Site		Male	252	251	4/14/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS126	Recipient Site		Female	232	236	4/15/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS127	Recipient Site		Female	248	242	4/15/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS128	Recipient Site		Male	207	215	4/15/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS129	Recipient Site		Male	295	293	4/16/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS130	Recipient Site		Male	245	256	4/17/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS131	Recipient Site		Male	274	277	4/18/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS132	Recipient Site		Female	205	216	4/19/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS133	Recipient Site		Female	210	206	4/20/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS134	Recipient Site		Female	228	227	4/21/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS135	Recipient Site		Male	196	205	4/21/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS136	Recipient Site		Female	228	225	4/21/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS137	Recipient Site		Female	227	223	4/21/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS138	Recipient Site		Female	216	220	4/23/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS139	Recipient Site		Male	266	267	4/24/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS140	Recipient Site		Female	203	205	4/24/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS141	Ivanpah 2	36	Unknown	200	209	4/24/11	Yes	Ivanpah 2	Ivanpah 2	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS142	Recipient Site		Male	244	254	4/24/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS143	Recipient Site		Male	219	217	4/24/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS144	Recipient Site		Female	204	206	4/24/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS145	Recipient Site		Male	284	281	4/24/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS146	Recipient Site		Female	213	215	4/25/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS147	Recipient Site		Male	270	264	4/25/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS148	Recipient Site		Male	261	262	4/25/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS149	Recipient Site		Male	253	255	4/25/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS150	Recipient Site		Female	208	207	4/25/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS151	Recipient Site		Male	247	249	4/26/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS153	Recipient Site		Female	237	238	4/26/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS154	Recipient Site		Female	233	224	4/26/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS155	Recipient Site		Male	264	262	4/26/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS156	Recipient Site		Female	198	211	4/26/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS157	Ivanpah 2	45	Unknown	142	173	4/26/11	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS158	Recipient Site		Female	213	217	4/27/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient

BS159	Recipient Site		Female	248	246	4/27/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS160	Recipient Site		Male	252	247	4/27/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS161	Recipient Site		Male	227	236	4/28/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS162	Recipient Site		Female	231	227	4/28/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS163	Recipient Site		Male	201	210	4/28/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS164	Recipient Site		Male	315	316	4/28/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS165	Recipient Site		Male	251	254	4/28/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS166	Recipient Site		Female	243	250	4/29/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS167	Recipient Site		Male	269	274	4/29/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS168	Recipient Site		Female	239	242	4/29/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS169	Recipient Site		Male	208	218	4/29/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS170	Recipient Site		Female	213	222	4/29/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS171	Recipient Site		Male	254	255	4/29/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS172	Recipient Site		Male	225	234	4/29/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS173	Ivanpah 2	27	Female	217	218	4/23/11	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS174	Ivanpah 1	32	Unknown	59	79	5/12/11	No		Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS175	Ivanpah 1	32	Unknown	62	86	5/12/11	No		Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS176	Ivanpah 3	26	Female	228	224	5/19/11	No		Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS177	Ivanpah 2	30	Female	236	236	5/21/11	Yes		Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS178	Ivanpah 1	205	Unknown	46	46	6/9/11	No			Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS179	Ivanpah 3	46	Unknown	122	140	6/11/11	No			Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS180	Recipient Site		Unknown	94	103	7/12/11	Yes				Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS181	Ivanpah 3	32	Unknown	62	62	7/20/11	No				Pens	Pens	Pens	Pens	Pens	Pens
BS182	Ivanpah 2	205	Unknown	59	57	7/27/11	No				Pens	Pens	Pens	Pens	Pens	Pens
BS183	Ivanpah 2	39	Male	261	265	7/30/11	Yes				Ivanpah 2	Ivanpah 2	Pens	Pens	Pens	Pens
BS184	Ivanpah 3	71	Unknown	176	185	8/4/2011	Yes					Ivanpah 3	Ivanpah 3	Pens	Pens	Pens
BS185	Ivanpah 3	205	Unknown	53	65	8/6/2011	No					Pens	Pens	Pens	Pens	Pens
BS186	Ivanpah 2	46	Unknown	137	139	8/7/2011	No					Pens	Pens	Pens	Pens	Pens
BS187	Ivanpah 3	63	Female	190	192	8/8/2011	Yes					Ivanpah 3	Pens	Pens	Pens	Pens
BS188	Ivanpah 3	34	Unknown	75	76	8/12/2011	No					Pens	Pens	Pens	Pens	Pens
BS189	Ivanpah 3	43	Unknown	137	139	8/13/2011	No					Pens	Pens	Pens	Pens	Pens
BS190	Ivanpah 3	34	Unknown	102	102	8/15/2011	No					Pens	Pens	Pens	Pens	Pens
BS191	Ivanpah 2	32	Unknown	82	82	4/15/2011*	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS192	Recipient Site		Unknown	148	150	8/23/2011	Yes					Recipient	Recipient	Recipient	Recipient	Recipient
BS193	Ivanpah 3	18	Unknown	70	70	4/15/2011*	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS194	Headstart Pens	207	Unknown	45	46	8/25/2011	No					Pens	Pens	Pens	Pens	Pens
BS195	Headstart Pens	207	Unknown	43	46	8/26/2011	No					Pens	Pens	Pens	Pens	Pens
BS196	Headstart Pens	207	Unknown	43	46	8/26/2011	No					Pens	Pens	Pens	Pens	Pens
BS197	Headstart Pens	207	Unknown	45	47	8/26/2011	No					Pens	Pens	Pens	Pens	Pens
BS198	Headstart Pens	207	Unknown	44	47	8/26/2011	No					Pens	Pens	Pens	Pens	Pens
BS199	Headstart Pens	207	Unknown	43	44	8/26/2011	No					Pens	Pens	Pens	Pens	Pens

BS200	Headstart Pens	216	Unknown	41	48	8/29/2011	No	Pens	Pens	Pens	Pens	Pens	
BS201	Headstart Pens	216	Unknown	43	47	8/29/2011	No	Pens	Pens	Pens	Pens	Pens	
BS202	Headstart Pens	216	Unknown	46	48	8/29/2011	No	Pens	Pens	Pens	Pens	Pens	
BS203	Headstart Pens	201	Unknown	44	47	8/29/2011	No	Pens	Pens	Pens	Pens	Pens	
BS204	Headstart Pens	201	Unknown	43	47	8/29/2011	No	Pens	Pens	Pens	Pens	Pens	
BS205	Headstart Pens	216	Unknown	41	48	8/29/2011	No	Pens	Pens	Pens	Pens	Pens	
BS206	Headstart Pens		Unknown	31	31	8/29/2011	No	Deceased					
BS207	Headstart Pens	201	Unknown	43	45	8/30/2011	No	Pens	Pens	Pens	Pens	Pens	
BS208	Headstart Pens	215	Unknown	46	47	8/30/2011	No	Pens	Pens	Pens	Pens	Pens	
BS209	Headstart Pens	215	Unknown	40	44	8/30/2011	No	Pens	Pens	Pens	Pens	Pens	
BS210	Headstart Pens	217	Unknown	40	41	8/30/2011	No	Pens	Pens	Pens	Pens	Pens	
BS211	Headstart Pens	218	Unknown	44	44	8/31/2011	No	Pens	Pens	Pens	Pens	Pens	
BS212	Headstart Pens	215	Unknown	48	49	9/1/2011	No		Pens	Pens	Pens	Pens	
BS213	Headstart Pens	215	Unknown	46	47	9/1/2011	No		Pens	Pens	Pens	Pens	
BS214	Headstart Pens	215	Unknown	45	48	9/1/2011	No		Pens	Pens	Pens	Pens	
BS215	Headstart Pens	216	Unknown	44	45	9/1/2011	No		Pens	Pens	Pens	Pens	
BS216	Headstart Pens	217	Unknown	42	45	9/1/2011	No		Pens	Pens	Pens	Pens	
BS217	Ivanpah 3		Male	253	250	9/3/2011	Yes		Recipient	Recipient	Recipient	Recipient	
BS218	Headstart Pens		Unknown	38	38	9/3/2011	No		Deceased				
BS219	Headstart Pens	216	Unknown	43	46	9/3/2011	No		Pens	Pens	Pens	Pens	
BS220	Ivanpah 3	40	Male	268	263	9/5/2011	No		Pens	Pens	Pens	Pens	
BS221	Headstart Pens	201	Unknown	48	47	9/5/2011	No		Pens	Pens	Pens	Pens	
BS222	Headstart Pens	208	Unknown	44	45	9/5/2011	No		Pens	Pens	Pens	Pens	
BS223	Ivanpah 3	64	Male	197	200	9/6/2011	Yes		Pens	Pens	Pens	Pens	
BS224	Headstart Pens	203	Unknown	43	46	9/6/2011	No		Pens	Pens	Pens	Pens	
BS225	Headstart Pens	208	Unknown	43	46	9/6/2011	No		Pens	Pens	Pens	Pens	
BS226	Headstart Pens	201	Unknown	46	43	9/6/2011	No		Pens	Pens	Pens	Pens	
BS227	Headstart Pens	218	Unknown	44	48	9/7/2011	No		Pens	Pens	Pens	Pens	
BS228	Headstart Pens	211	Unknown	46	47	9/7/2011	No		Pens	Pens	Pens	Pens	
BS229	Headstart Pens	208	Unknown	41	44	9/7/2011	No		Pens	Pens	Pens	Pens	
BS230	Recipient Site		Male	186	187	9/7/2011	Yes		Recipient	Recipient	Recipient	Recipient	
BS231	Headstart Pens	212	Unknown	43	45	9/7/2011	No		Pens	Pens	Pens	Pens	
BS232	Headstart Pens		Unknown	45	45	9/7/2011	No		Deceased				
BS233	Headstart Pens	212	Unknown	44	47	9/7/2011	No		Pens	Pens	Pens	Pens	
BS234	Headstart Pens	208	Unknown	42	44	9/8/2011	No		Pens	Pens	Pens	Pens	
BS235	Headstart Pens	203	Unknown	44	47	9/8/2011	No		Pens	Pens	Pens	Pens	
BS236	Headstart Pens	208	Unknown	42	47	9/8/2011	No		Pens	Pens	Pens	Pens	
BS237	Headstart Pens	211	Unknown	45	45	9/9/2011	No		Pens	Pens	Pens	Pens	
BS238	Headstart Pens	208	Unknown	41	44	9/9/2011	No		Pens	Pens	Pens	Pens	
BS239	Recipient Site		Female	224	224	9/8/2011	Yes		Recipient	Recipient	Recipient	Recipient	
BS240	Headstart Pens	211	Unknown	44	46	9/9/2011	No		Pens	Pens	Pens	Pens	

BS241	Headstart Pens	212	Unknown	41	44	9/11/2011	No	Pens	Pens	Pens	Pens
BS242	Recipient Site		Male	210	211	9/9/2011	Yes	Recipient	Recipient	Recipient	Recipient
BS243	Recipient Site		Unknown	134	134	9/9/2011	Yes	Recipient	Recipient	Recipient	Recipient
BS244	Ivanpah 2	223	Unknown	55	57	9/10/2011	No	Pens	Pens	Pens	Pens
BS245	Recipient Site		Male	281	287	9/10/2011	Yes	Recipient	Recipient	Recipient	Recipient
BS246	Ivanpah 3	51	Unknown	162	160	9/10/2011	No	Pens	Pens	Pens	Pens
BS247	Ivanpah 2	223	Unknown	61	62	9/10/2011	No	Pens	Pens	Pens	Pens
BS248	Recipient Site		Male	260	255	9/10/2011	Yes	Recipient	Recipient	Recipient	Recipient
BS249	Headstart Pens	201	Unknown	45	47	9/11/2011	No	Pens	Pens	Pens	Pens
BS250	Headstart Pens	211	Unknown	48	48	9/12/2011	No	Pens	Pens	Pens	Pens
BS251	Headstart Pens	209	Unknown	46	44	9/12/2011	No	Pens	Pens	Pens	Pens
BS252	Ivanpah 3	223	Unknown	79	80	9/12/2011	No	Pens	Pens	Pens	Pens
BS253	Headstart Pens	211	Unknown	44	44	9/13/2011	No	Pens	Pens	Pens	Pens
BS254	Headstart Pens	211	Unknown	43	44	9/13/2011	No	Pens	Pens	Pens	Pens
BS255	Headstart Pens	211	Unknown	43	43	9/13/2011	No	Pens	Pens	Pens	Pens
BS256	Ivanpah 3	223	Unknown	68	71	9/13/2011	No	Pens	Pens	Pens	Pens
BS257	Ivanpah 3	33	Unknown	140	137	9/14/2011	No	Pens	Pens	Pens	Pens
BS258	Ivanpah 2	223	Unknown	81	80	9/14/2011	No	Pens	Pens	Pens	Pens
BS259	Ivanpah 3	222	Unknown	114	113	9/14/2011	No	Pens	Pens	Pens	Pens
BS260	Ivanpah 3	33	Unknown	136	137	9/14/2011	No	Pens	Pens	Pens	Pens
BS261	Ivanpah 3	35	Unknown	134	133	9/14/2011	No	Pens	Pens	Pens	Pens
BS262	Headstart Pens	202	Unknown	42	44	9/16/2011	No	Pens	Pens	Pens	Pens
BS263	Ivanpah 2	221	Unknown	74	76	9/16/2011	No	Pens	Pens	Pens	Pens
BS264	Ivanpah 3		Unknown	53	53	9/17/2011	No	Deceased			
BS265	Ivanpah 3	76	Unknown	126	121	9/18/2011	No	Pens	Pens	Pens	Pens
BS266	Ivanpah 2	55	Unknown	178	176	9/18/2011	No	Pens	Pens	Pens	Pens
BS267	Ivanpah 3	220	Unknown	82	84	9/18/2011	No	Pens	Pens	Pens	Pens
BS268	Ivanpah 3	219	Unknown	66	66	9/18/2011	No	Pens	Pens	Pens	Pens
BS269	Ivanpah 3	220	Unknown	93	94	9/18/2011	No	Pens	Pens	Pens	Pens
BS270	Ivanpah 3	60	Unknown	120	120	9/18/2011	No	Pens	Pens	Pens	Pens
BS271	Ivanpah 3	219	Unknown	59	59	9/19/2011	No	Pens	Pens	Pens	Pens
BS272	Ivanpah 3	222	Unknown	89	86	9/20/2011	No	Pens	Pens	Pens	Pens
BS273	Ivanpah 3	224	Unknown	104	104	9/20/2011	No	Pens	Pens	Pens	Pens
BS274	Ivanpah 3	210	Unknown	45	45	9/20/2011	No	Pens	Pens	Pens	Pens
BS275	Ivanpah 3	68	Male	205	209	9/20/2011	Yes	Ivanpah 3	Pens	Pens	Pens
BS276	Ivanpah 3	221	Unknown	69	69	9/20/2011	No	Pens	Pens	Pens	Pens
BS277	Common East	210	Unknown	46	45	9/20/2011	No	Pens	Pens	Pens	Pens
BS278	Headstart Pens	202	Unknown	42	42	9/21/2011	No	Pens	Pens	Pens	Pens
BS279	Headstart Pens	209	Unknown	48	48	9/21/2011	No	Pens	Pens	Pens	Pens
BS280	Ivanpah 3	219	Unknown	85	85	9/21/2011	No	Pens	Pens	Pens	Pens
BS281	Headstart Pens	209	Unknown	48	48	9/21/2011	No	Pens	Pens	Pens	Pens

BS282	Ivanpah 3	224	Unknown	90	90	9/21/2011	No	Pens	Pens	Pens	Pens
BS283	Ivanpah 2	214	Unknown	100	98	9/21/2011	No	Pens	Pens	Pens	Pens
BS284	Headstart Pens	209	Unknown	43	43	9/22/2011	No	Pens	Pens	Pens	Pens
BS285	Ivanpah 3	204	Unknown	54	54	9/22/2011	No	Pens	Pens	Pens	Pens
BS286	Ivanpah 3	204	Unknown	63	63	9/22/2011	No	Pens	Pens	Pens	Pens
BS287	Ivanpah 2	214	Unknown	111	112	9/22/2011	No	Pens	Pens	Pens	Pens
BS288	Ivanpah 2	204	Unknown	58	58	9/23/2011	No	Pens	Pens	Pens	Pens
BS289	Ivanpah 3	54	Female	214	214	9/22/2011	No	Pens	Pens	Pens	Pens
BS290	Ivanpah 3	56	Unknown	170	165	9/25/2011	Yes	Pens	Pens	Pens	Pens
BS291	Ivanpah 3	59	Unknown	157	153	9/23/2011	No	Pens	Pens	Pens	Pens
BS292	Ivanpah 2	222	Unknown	103	103	9/24/2011	No	Pens	Pens	Pens	Pens
BS293	Ivanpah 3	46	Unknown	129	129	9/24/2011	No	Pens	Pens	Pens	Pens
BS294	Ivanpah 3	46	Unknown	125	125	9/24/2011	No	Pens	Pens	Pens	Pens
BS295	Ivanpah 2	219	Unknown	60	60	9/26/2011	No	Pens	Pens	Pens	Pens
BS296	Ivanpah 3	221	Unknown	70	70	9/26/2011	No	Pens	Pens	Pens	Pens
BS297	Headstart Pens	209	Unknown	43	43	9/27/11	No	Pens	Pens	Pens	Pens
BS298	Ivanpah 3	221	Unknown	62	62	9/27/11	No	Pens	Pens	Pens	Pens
BS299	Headstart Pens	209	Unknown	47	47	9/29/11	No	Pens	Pens	Pens	Pens
BS300	Ivanpah 3	210	Unknown	47	47	9/29/11	No	Pens	Pens	Pens	Pens
BS301	Ivanpah 3	210	Unknown	47	47	9/29/11	No	Pens	Pens	Pens	Pens
BS302	Ivanpah 3	204	Unknown	62	62	9/30/11	No	Pens	Pens	Pens	Pens
BS303	Ivanpah 3	220	Unknown	76	76	9/30/11	No	Pens	Pens	Pens	Pens
BS304	Ivanpah 3	221	Unknown	72	72	10/2/11	No		Pens	Pens	Pens
BS305	Ivanpah 3	66	Female	224	224	10/3/11	No		Pens	Pens	Pens
BS306	Recipient Site		Unknown	133	135	10/3/11	Yes		Recipient	Recipient	Recipient
BS307	Ivanpah 3	213	Unknown	64	64	10/3/11	No		Pens	Pens	Pens
BS308	Ivanpah 3	213	Unknown	62	62	10/4/11	No		Pens	Pens	Pens
BS309	Ivanpah 1		Unknown	60	60	10/4/11	No		Deceased		
BS310	Ivanpah 3	67	Male	277	277	10/4/11	No		Pens	Pens	Pens
BS311	Headstart Pens		Unknown	38	38	9/4/11	No		Deceased		
BS312	Ivanpah 1		Unknown	65	65	10/6/11	No		Deceased		
BS313	Recipient Site		Unknown	156	158	10/7/11	Yes		Recipient	Recipient	Recipient
BS314	Recipient Site		Male	209	209	10/11/11	Yes		Recipient	Recipient	Recipient
BS315	Recipient Site		Male	209	209	10/14/11	Yes		Recipient	Recipient	Recipient
BS316	Recipient Site		Male	280	280	10/13/11	Yes		Recipient	Recipient	Recipient
BS317	Recipient Site		Male	268	268	10/14/11	Yes		Recipient	Recipient	Recipient
BS318	Recipient Site		Male	282	282	10/15/11	No		Recipient	Recipient	Recipient
BS319	Recipient Site		Male	277	277	10/15/11	No		Recipient	Recipient	Recipient
BS320	Recipient Site		Female	222	222	10/16/11	Yes		Recipient	Recipient	Recipient
BS321	Recipient Site		Female	235	235	10/15/11	Yes		Recipient	Recipient	Recipient
BS322	Recipient Site		Female	220	220	10/15/11	No		Recipient	Recipient	Recipient

BS323	Recipient Site		Female	219	219	10/15/11	Yes											Recipient	Recipient	Recipient
BS324	Recipient Site		Female	207	207	10/15/11	Yes											Recipient	Recipient	Recipient
BS325	Recipient Site		Male	267	267	10/15/11	No											Recipient	Recipient	Recipient
BS326	Recipient Site		Unknown	97	97	10/15/11	No											Recipient	Recipient	Recipient
BS327	Recipient Site		Female	219	219	10/15/11	Yes											Recipient	Recipient	Recipient
BS328	Recipient Site		Male	251	251	10/16/11	Yes											Recipient	Recipient	Recipient
BS329	Recipient Site		Male	265	265	10/16/11	No											Recipient	Recipient	Recipient
BS330	Recipient Site		Male	251	251	10/16/11	No											Recipient	Recipient	Recipient
BS331	Recipient Site		Male	260	260	10/16/11	No											Recipient	Recipient	Recipient
BS332	Recipient Site		Male	300	300	10/16/11	No											Recipient	Recipient	Recipient
BS333	Ivanpah 1	210	Unknown	43	43	10/17/11	No											Pens	Pens	Pens
BS334	Recipient Site		Female	225	225	10/17/11	Yes											Recipient	Recipient	Recipient
BS335	Recipient Site		Male	271	271	10/17/11	Yes											Recipient	Recipient	Recipient
BS336	Recipient Site		Unknown	104	104	10/19/11	Yes											Recipient	Recipient	Recipient
BS337	Common East		Unknown	37	37	11/28/11	No												Decease d	
BS338	Ivanpah 2	220	Unknown	62	62	3/5/12	No													
BS339	Recipient Site		Unknown	167	167	3/15/12	Yes													
BS340	Ivanpah 2		Unknown	55	55	3/21/12	No													
BS500	Control Site		Unknown	243	240	3/31/11	Yes	Control	Control	Control	Control	Control	Control	Control	Control	Control	Control			
BS501	Control Site		Male	189	195	4/1/11	Yes		Control	Control	Control	Control	Control	Control	Control	Control	Control			
BS502	Control Site		Female	217	216	4/1/11	Yes		Control	Control	Control	Control	Control	Control	Control	Control	Control			
BS503	Control Site		Unknown	238	242	4/1/11	Yes		Control	Control	Control	Control	Control	Control	Control	Control	Control			
BS504	Control Site		Unknown	198	211	4/1/11	Yes		Control	Control	Control	Control	Control	Control	Control	Control	Control			
BS505	Control Site		Unknown	213	221	4/1/11	Yes		Control	Control	Control	Control	Control	Control	Control	Control	Control			
BS506	Control Site		Unknown	252	257	4/1/11	Yes		Control	Control	Control	Control	Control	Control	Control	Control	Control			
BS507	Control Site		Unknown	221	225	4/1/11	No		Control	Control	Control	Control	Control	Control	Control	At Vet in San Diego	At Vet in San Diego			
BS508	Control Site		Female	237	241	4/1/11	Yes		Control	Control	Control	Control	Control	Control	Control	Control	Control			
BS509	Control Site		Female	169	183	4/1/11	Yes		Control	Control	Control	Control	Control	Control	Control	Control	Control			
BS510	Control Site		Female	256	271	4/1/11	Yes		Control	Control	Control	Control	Control	Control	Control	Control	Control			
BS511	Control Site		Female	221	224	4/1/11	Yes		Control	Control	Control	Control	Control	Control	Control	Control	Control			
BS512	Control Site		Unknown	272	272	4/1/11	Yes		Control	Control	Control	Control	Control	Control	Control	Control	Control			
BS513	Control Site		Male	225	223	4/1/11	Yes		Control	Control	Control	Control	Control	Control	Control	Control	Control			
BS514	Control Site		Male	158	170	4/2/11	Yes		Control	Control	Control	Control	Control	Control	Control	Control	Control			
BS515	Control Site		Female	213	215	4/2/11	Yes		Control	Control	Control	Control	Control	Control	Control	Control	Control			
BS516	Control Site		Female	48	48	4/2/11	No		Control-NT	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT			
BS517	Control Site		Female	220	227	4/2/11	Yes		Control	Control	Control	Control	Control	Control	Control	Control	Control			
BS518	Control Site		Male	122	136	4/2/11	Yes		Control	Control	Control	Control	Control	Control	Control	Control	Control			

BS519	Control Site	Female	206	208	4/2/11	Yes	Control	Control	Control	Control	Control	Control	Control	Control	Control
BS520	Control Site	Male	130	137	4/2/11	Yes	Control	Control	Control	Control	Control	Control	Control	Control	Control
BS521	Control Site	Male	137	150	4/2/11	Yes	Control	Control	Control	Control	Control	Control	Control	Control	Control
BS522	Control Site	Female	269	268	4/2/11	Yes	Control	Control	Control	Control	Control	Control	Control	Control	Control
BS523	Control Site	Male	225	230	4/2/11	Yes	Control	Control	Control	Control	Control	Control	Control	Control	Control
BS524	Control Site	Unknown	257	258	4/2/11	Yes	Control	Control	Control	Control	Control	Control	Control	Control	Control
BS525	Control Site	Male	49	49	4/2/11	No	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT
BS526	Control Site	Male	88	88	4/2/11	No	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT
BS527	Control Site	Female	202	217	4/2/11	Yes	Control	Control	Control	Control	Control	Control	Control	Control	Control
BS528	Control Site	Male	65	65	4/2/11	No	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT
BS529	Control Site	Female	233	236	4/2/11	Yes	Control	Control	Control	Control	Control	Control	Control	Control	Control
BS530	Control Site	Unknown	205	211	4/2/11	Yes	Control	Control	Control	Control	Control	Control	Control	Control	Control
BS531	Control Site	Female	203	202	4/2/11	Yes	Control	Control	Control	Control	Control	Control	Control	Control	Control
BS532	Control Site	Unknown	203	203	4/2/11	Yes	Control	Control	Control	Control	Control	Control	Control	Control	Control
BS533	Control Site	Male	200	197	4/2/11	Yes	Control	Control	Control	Control	Control	Control	Control	Control	Control
BS534	Control Site	Unknown	226	225	4/2/11	Yes	Control	Control	Control	Control	Control	Control	Control	Control	Control
BS535	Control Site	Female	238	238	4/2/11	Yes	Control	Control	Control	Control	Control	Control	Control	Control	Control
BS536	Control Site	Unknown	122	125	4/2/11	Yes	Control	Control	Control	Control	Control	Control	Control	Control	Control
BS537	Control Site	Unknown	236	235	4/3/11	Yes	Control	Control	Control	Control	Control	Control	Control	Control	Control
BS538	Control Site	Unknown	216	218	4/3/11	Yes	Control	Control	Control	Control	Control	Control	Control	Control	Control
BS539	Control Site	Male	240	240	10/8/11	Yes							Control	Control	Control
BS540	Control Site	Male	198	202	10/8/11	Yes							Control	Control	Control
BS541	Control Site	Male	249	250	10/8/11	Yes							Control	Control	Control
BS542	Control Site	Male	270	272	10/8/11	Yes							Control	Control	Control
BS543	Control Site	Female	241	243	10/8/11	Yes							Control	Control	Control
BS544	Control Site	Male	214	214	10/9/11	Yes							Control	Control	Control
BS545	Control Site	Unknown	197	204	10/8/11	Yes							Control	Control	Control
BS546	Control Site	Male	218	219	10/9/11	Yes							Control	Control	Control
BS547	Control Site	Female	225	225	10/9/11	No							Control-NT	Control-NT	Control-NT
BS548	Control Site	Unknown	86	86	10/9/11	Yes							Control	Control	Control
BS549	Control Site	Male	217	217	10/9/11	Yes							Control	Control	Control
BS550	Control Site	Male	278	277	10/9/11	Yes							Control	Control	Control
BS551	Control Site	Male	266	269	10/9/11	Yes							Control	Control	Control
BS552	Control Site	Male	285	289	10/9/11	Yes							Control	Control	Control
BS553	Control Site	Male	256	256	10/9/11	Yes							Control	Control	Control
BS554	Control Site	Female	216	219	10/10/11	Yes							Control	Control	Control
BS555	Control Site	Female	222	221	10/10/11	Yes							Control	Control	Control

BS556	Control Site	Unknown	157	159	10/9/11	Yes	Control	Control	Control
BS557	Control Site	Unknown	133	133	10/11/11	Yes	Control	Control	Control
BS558	Control Site	Male	246	247	10/11/11	Yes	Control	Control	Control
BS559	Control Site	Female	232	234	10/10/11	Yes	Control	Control	Control
BS560	Control Site	Female	228	229	10/11/11	Yes	Control	Control	Control
BS561	Control Site	Unknown	160	161	10/11/11	Yes	Control	Control	Control
BS562	Control Site	Unknown	118	119	10/11/11	Yes	Control	Control	Control
BS563	Control Site	Male	267	267	10/11/11	Yes	Control	Control	Control
BS564	Control Site	Male	265	265	10/11/11	Yes	Control	Control	Control
BS565	Control Site	Male	249	251	10/11/11	Yes	Control	Control	Control
BS566	Control Site	Female	211	217	10/11/11	Yes	Control	Control	Control
BS567	Control Site	Male	266	268	10/11/11	Yes	Control	Control	Control
BS568	Control Site	Female	186	186	10/11/11	Yes	Control	Control	Control
BS569	Control Site	Female	235	235	10/11/11	Yes	Control	Control	Control
BS570	Control Site	Male	260	258	10/11/11	Yes	Control	Control	Control
BS571	Control Site	Male	256	257	10/11/11	Yes	Control	Control	Control
BS572	Control Site	Female	236	237	10/11/11	Yes	Control	Control	Control
BS573	Control Site	Male	248	252	10/11/11	Yes	Control	Control	Control
BS574	Control Site	Unknown	167	171	10/12/11	Yes	Control	Control	Control
BS575	Control Site	Male	260	262	10/12/11	Yes	Control	Control	Control
BS576	Control Site	Female	242	238	10/12/11	Yes	Control	Control	Control
BS577	Control Site	Female	220	223	10/12/11	Yes	Control	Control	Control
BS578	Control Site	Male	268	267	10/12/11	Yes	Control	Control	Control
BS579	Control Site	Male	217	217	10/12/11	Yes	Control	Control	Control
BS580	Control Site	Unknown	133	134	10/12/11	Yes	Control	Control	Control
BS581	Control Site	Unknown	100	101	10/12/11	Yes	Control	Control	Control
BS582	Control Site	Female	226	227	10/12/11	Yes	Control	Control	Control
BS583	Control Site	Female	215	214	10/12/11	Yes	Control	Control	Control
BS584	Control Site	Unknown	133	133	10/13/11	Yes	Control	Control	Control
BS585	Control Site	Unknown	80	80	10/13/11	Yes	Control	Control	Control
BS586	Control Site	Male	274	274	10/13/11	Yes	Control	Control	Control
BS587	Control Site	Unknown	107	107	10/13/11	Yes	Control	Control	Control
BS588	Control Site	Unknown	138	136	10/13/11	Yes	Control	Control	Control
BS589	Control Site	Male	237	235	10/13/11	Yes	Control	Control	Control
BS590	Control Site	Male	272	272	10/13/11	Yes	Control	Control	Control
BS591	Control Site	Female	216	217	10/13/11	Yes	Control	Control	Control
BS592	Control Site	Unknown	115	117	10/13/11	Yes	Control	Control	Control
BS593	Control Site	Female	218	220	10/13/11	Yes	Control	Control	Control
BS594	Control Site	Unknown	182	185	10/13/11	Yes	Control	Control	Control
BS595	Control Site	Female	216	217	10/13/11	Yes	Control	Control	Control
BS596	Control Site	Female	235	232	10/14/11	Yes	Control	Control	Control

BS597	Control Site	Male	268	268	10/13/11	Yes	Control	Control	Control
BS598	Control Site	Female	234	234	10/14/11	Yes	Control	Control	Control
BS599	Control Site	Female	215	215	10/13/11	Yes	Control	Control	Control
BS600	Control Site	Male	254	256	10/13/11	Yes	Control	Control	Control
BS601	Control Site	Unknown	90	91	10/14/11	Yes	Control	Control	Control
BS602	Control Site	Male	207	202	10/14/11	Yes	Control	Control	Control
BS603	Control Site	Unknown	109	109	10/14/11	Yes	Control	Control	Control
BS604	Control Site	Female	189	188	10/14/11	Yes	Control	Control	Control
BS605	Control Site	Female	219	215	10/14/11	Yes	Control	Control	Control
BS606	Control Site	Female	198	200	10/14/11	Yes	Control	Control	Control
BS607	Control Site	Unknown	88	88	10/14/11	Yes	Control	Control	Control
BS608	Control Site	Male	243	240	10/14/11	Yes	Control	Control	Control
BS609	Control Site	Male	241	241	10/14/11	Yes	Control	Control	Control
BS610	Control Site	Unknown	152	150	10/14/11	Yes	Control	Control	Control
BS611	Control Site	Unknown	104	105	10/15/11	Yes	Control	Control	Control
BS612	Control Site	Unknown	81	83	10/15/11	Yes	Control	Control	Control
BS613	Control Site	Female	224	221	10/15/11	Yes	Control	Control	Control
BS614	Control Site	Male	271	269	10/15/11	Yes	Control	Control	Control
BS615	Control Site	Male	284	281	10/15/11	Yes	Control	Control	Control
BS616	Control Site	Female	240	243	10/15/11	Yes	Control	Control	Control
BS617	Control Site	Female	179	178	10/15/11	Yes	Control	Control	Control
BS618	Control Site	Male	274	274	10/15/11	Yes	Control	Control	Control
BS619	Control Site	Female	221	221	10/9/11	Yes	Control	Control	Control
BS620	Control Site	Female	187	186	10/15/11	Yes	Control	Control	Control
BS621	Control Site	Female	199	200	10/15/11	Yes	Control	Control	Control
BS622	Control Site	Unknown	76	78	10/15/11	Yes	Control	Control	Control
BS623	Control Site	Female	223	225	10/15/11	Yes	Control	Control	Control
BS624	Control Site	Unknown	99	100	10/15/11	Yes	Control	Control	Control
BS625	Control Site	Male	272	270	10/15/11	Yes	Control	Control	Control
BS626	Control Site	Unknown	173	176	10/16/11	Yes	Control	Control	Control
BS627	Control Site	Unknown	61	66	10/16/11	Yes	Control	Control	Control
BS628	Control Site	Male	226	226	10/16/11	Yes	Control	Control	Control
BS629	Control Site	Unknown	150	150	10/16/11	Yes	Control	Control	Control
BS630	Control Site	Unknown	143	143	10/16/11	Yes	Control	Control	Control
BS631	Control Site	Female	222	223	10/16/11	Yes	Control	Control	Control
BS632	Control Site	Unknown	93	93	10/16/11	Yes	Control	Control	Control
BS633	Control Site	Unknown	67	67	10/16/11	Yes	Control	Control	Control
BS634	Control Site	Unknown	130	132	10/16/11	Yes	Control	Control	Control
BS635	Control Site	Unknown	159	159	10/16/11	Yes	Control	Control	Control
BS636	Control Site	Female	271	271	10/16/11	Yes	Control	Control	Control
BS637	Control Site	Unknown	121	120	10/16/11	No	Control	Control	Control

BS638	Control Site	Male	260	260	10/16/11	Yes	Control	Control	Control		
BS639	Control Site	Unknown	210	211	10/16/11	Yes	Control	Control	Control		
BS640	Control Site	Unknown	76	77	10/17/11	Yes	Control	Control	Control		
BS641	Control Site	Male	232	232	10/16/11	Yes	Control	Control	Control		
BS642	Control Site	Female	200	196	10/17/11	Yes	Control	Control	Control		
BS643	Control Site	Male	221	220	10/17/11	Yes	Control	Control	Control		
BS644	Control Site	Male	265	268	10/17/11	Yes	Control	Control	Control		
BS645	Control Site	Male	269	270	10/17/11	Yes	Control	Control	Control		
BS646	Control Site	Female	227	227	10/17/11	Yes	Control	Control	Control		
BS647	Control Site	Unknown	93	94	10/17/11	Yes	Control	Control	Control		
BS648	Control Site	Male	261	254	10/17/11	Yes	Control	Control	Control		
BS649	Control Site	Female	246	249	10/17/11	Yes	Control	Control	Control		
BS650	Control Site	Male	264	271	10/17/11	Yes	Control	Control	Control		
BS651	Control Site	Male	247	247	10/17/11	Yes	Control	Control	Control		
BS652	Control Site	Male	234	237	10/17/11	Yes	Control	Control	Control		
BS653	Control Site	Female	196	202	10/17/11	Yes	Control	Control	Control		
BS654	Control Site	Unknown	152	153	10/15/11	Yes	Control	Control	Control		
BS655	Control Site	Unknown	88	85	10/18/11	Yes	Control	Control	Control		

Table 3. 2012 Desert tortoise Master List for all Tortoises Encountered and Marked Between October 8, 2010 and December 31, 2012.

Tort ID	Initial Process Location (GIS)	Pen	Sex	Initial MCL	Recent MCL	Initial Process Date	Transmitter (Yes/No)	2012 Jan	Feb	Mar	Apr	May
BS01	Ivanpah 1	83	Female	184	211	10/9/10	Yes	Pens	Pens	Pens	Pens	Pens
BS02	Ivanpah 1		Male	264	268	10/9/10	Yes	Pens	Pens	Pens	Recipient	Recipient
BS03	Common East		Female	227	233	10/10/10	No	Deceased (Aug 2011)				
BS04	Ivanpah 1		Male	252	259	10/10/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS05	Ivanpah 2		Male	216	233	10/7/10	Yes	Pens	Pens	Pens	Recipient	Recipient
BS06	Ivanpah 1		Male	257	267	10/12/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS07	Recipient Site		Unknown	94	106	10/12/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS08	Ivanpah 1		Female	209	207	10/12/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS09	Ivanpah 1		Male	253	260	10/14/10	Yes	Pens	Pens	Pens	Recipient	Recipient
BS10	Recipient Site		Male	277	279	10/14/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS11	Recipient Site		Female	199	210	10/16/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS12	Recipient Site		Female	209	213	10/16/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS13	Recipient Site		Male	245	243	10/19/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS14	Ivanpah 1		Female	224	227	10/19/10	Yes	Pens	Pens	Pens	Recipient	Recipient
BS15	Recipient Site		Male	190	196	10/19/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS16	Recipient Site		Female	224	222	10/19/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient

BS17	Common East		Unknown	116	122	10/20/10	Yes	Pens	Pens	Pens	Recipient	Recipient
BS18	Ivanpah 1	34	Unknown	72	99	10/20/10	No	Pens	Pens	Pens	Pens	Pens
BS19	Recipient Site		Unknown	118	127	10/21/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS20	Ivanpah 2		Female	215	215	10/20/10	No	Deceased - Euthanized at DTCC (Oct 2010)				
BS21	Ivanpah 1		Male	241	244	10/21/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS22	Ivanpah 1		Male	231	236	10/22/10	Yes	Pens	Pens	Pens	Recipient	Recipient
BS23	Recipient Site		Female	242	244	10/23/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS24	Common West		Male	184	200	10/25/10	Yes	Pens	Pens	Pens	Recipient	Recipient
BS25	Ivanpah 1		Female	168	195	10/26/10	Yes	Pens	Pens	Pens	Recipient	Recipient
BS26	Ivanpah 1		Unknown	123	142	10/27/10	No	Pens	Pens	Pens	Deceased	
BS27	Common East		Female	232	232	10/19/10	Yes	Pens	Pens	Pens	Recipient	Recipient
BS28	Ivanpah 1		Female	217	223	10/28/10	Yes	Pens	Pens	Pens	Recipient	Recipient
BS29	Ivanpah 1	2	Male	265	247	10/28/10	No	Pens	Pens	Pens	Pens	Pens
BS30	Recipient Site		Male	243	247	10/29/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS31	Ivanpah 1		Unknown	133	158	10/29/10	Yes	Pens	Pens	Pens	Recipient	Recipient
BS32	Ivanpah 1	8	Male	252	256	10/29/10	No	Pens	Pens	Pens	Pens	Pens
BS33	Recipient Site		Female	228	230	10/29/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS34	Ivanpah 1		Female	214	221	10/29/10	Yes	Pens	Pens	Pens	Recipient	Recipient
BS35	Ivanpah 1		Unknown	143	172	10/29/10	Yes	Pens	Pens	Pens	Recipient	Recipient
BS36	Ivanpah 1		FLAG	150	179	10/30/10	Yes	Pens	Pens	Pens	Recipient	Recipient
BS37	Ivanpah 2	12	Male	243	255	10/30/10	No	Pens	Pens	Pens	Pens	Pens
BS38	Ivanpah 1		Female	223	234	10/30/10	Yes	Pens	Pens	Pens	Recipient	Recipient
BS39	Ivanpah 1	34	Unknown	61	91	11/1/10	No	Pens	Pens	Pens	Pens	Pens
BS40	Ivanpah 1	34	Unknown	69	101	11/1/10	No	Pens	Pens	Pens	Pens	Pens
BS41	Ivanpah 1		Unknown	118	151	11/1/10	Yes	Pens	Pens	Pens	Recipient	Recipient
BS42	Ivanpah 1	18	Unknown	53	86	12/17/10	No	Pens	Pens	Pens	Pens	Pens
BS43	Ivanpah 1	18	Unknown	53	84	12/20/10	No	Pens	Pens	Pens	Pens	Pens
BS44	Ivanpah 1		Female	194	210	2/16/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS45	Recipient Site		Female	223	225	3/5/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS46	Ivanpah 3		Female	209	216	3/5/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS47	Ivanpah 3		Female	242	238	3/8/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS48	Ivanpah 2	34	Unknown	86	99	3/9/11	No	Pens	Pens	Pens	Pens	Pens
BS49	Ivanpah 3		Male	209	222	3/9/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS50	Ivanpah 3		Male	204	210	3/9/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS51	Ivanpah 3		Male	234	237	3/10/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS52	Ivanpah 3		Male	176	210	3/10/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS53	Common East	18	Unknown	46	83	3/10/11	No	Pens	Pens	Pens	Pens	Pens
BS54	Ivanpah 3	18	Unknown	47	47	3/12/11	No	Missing	Missing	Missing	Missing	Missing
BS55	Recipient Site		Female	226	235	3/12/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS56	Recipient Site		Female	236	231	3/14/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS57	Ivanpah 3		Female	218	220	3/14/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS58	Ivanpah 3	57	Unknown	138	155	3/15/11	Yes	Pens	Pens	Pens	Pens	Pens

BS59	Ivanpah 3	43	Unknown	67	83	3/15/11	No	Pens	Pens	Pens	Pens	Pens
BS60	Recipient Site		Female	173	179	3/15/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS61	Ivanpah 2		Female	217	218	3/15/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS62	Ivanpah 3		Male	200	208	3/15/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS63	Ivanpah 3	204	Unknown	40	68	3/16/11	No	Pens	Pens	Pens	Pens	Pens
BS64	Ivanpah 3		Female	199	201	3/16/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS65	Ivanpah 3		Female	210	212	3/16/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS66	Ivanpah 3		Female	190	217	3/16/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS67	Ivanpah 2	34	Unknown	71	104	3/16/11	No	Pens	Pens	Pens	Pens	Pens
BS68	Ivanpah 2		Male	265	264	3/16/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS69	Ivanpah 3		Male	251	254	3/16/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS70	Recipient Site		Unknown	131	150	3/17/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS71	Ivanpah 3		Female	216	220	3/17/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS72	Ivanpah 2	34	Unknown	57	82	3/21/11	No	Pens	Pens	Pens	Pens	Pens
BS73	Ivanpah 3		Unknown	47	47	3/22/11	No	Deceased (Mar 2011)				
BS74	Recipient Site		Male	176	193	3/21/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS75	Recipient Site		Unknown	83	97	3/22/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS76	Recipient Site		Female	226	224	3/23/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS77	Ivanpah 2		Female	228	219	3/23/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS78	Recipient Site		Male	248	250	3/28/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS79	Ivanpah 2		Female	243	242	3/28/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS80	Ivanpah 3		Male	255	259	3/28/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS81	Ivanpah 3		Male	254	257	3/28/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS82	Ivanpah 3	44	Male	217	218	3/28/11	No	Pens	Pens	Pens	Pens	Pens
BS83	Ivanpah 3		Male	257	257	3/29/11	No	Deceased (Apr 2011)				
BS84	Recipient Site		Male	237	242	3/30/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS85	Ivanpah 3		Unknown	136	153	3/30/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS86	Ivanpah 3		Male	251	254	3/30/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS87	Ivanpah 3	213	Unknown	72	89	3/30/11	No	Pens	Pens	Pens	Pens	Pens
BS88	Ivanpah 2		Male	272	265	3/30/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS89	Recipient Site		Male	250	260	3/30/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS90	Ivanpah 3		Male	270	272	3/30/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS91	Ivanpah 3		Female	235	234	3/30/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS92	Ivanpah 2		Male	269	269	3/31/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS93	Recipient Site		Male	292	292	3/31/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS94	Ivanpah 3	62	Male	211	224	3/31/11	Yes	Pens	Pens	Pens	Pens	Pens
BS95	Ivanpah 3		Female	245	248	3/31/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS96	Recipient Site		Female	213	218	4/1/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS97	Ivanpah 3		Male	203	213	3/31/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS98	Ivanpah 3	60	Unknown	102	114	4/1/11	Yes	Pens	Pens	Pens	Pens	Pens
BS99	Recipient Site		Unknown	157	184	4/2/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS100	Ivanpah 1		Male	249	249	10/12/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient

BS101	Recipient Site		Male	273	274	10/14/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS102	Recipient Site		Male	270	271	10/14/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS103	Ivanpah 1		Male	246	251	10/15/10	Yes	Pens	Pens	Pens	Recipient	Recipient
BS104	Recipient Site		Male	265	265	10/15/10	No	Deceased (Oct 2010)				
BS105	Recipient Site		Male	253	259	4/2/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS106	Ivanpah 3	32	Unknown	68	87	4/2/11	No	Pens	Pens	Pens	Pens	Pens
BS107	Recipient Site		Female	232	232	3/31/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS108	Recipient Site		Male	264	273	4/1/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS109	Recipient Site		Male	267	270	4/2/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS110	Ivanpah 3		Male	270	268	4/2/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS111	Recipient Site		Female	227	226	4/3/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS112	Common West	18	Unknown	44	76	4/4/11	No	Pens	Pens	Pens	Pens	Pens
BS113	Recipient Site		Male	230	236	4/4/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS114	Ivanpah 3		Male	272	270	4/5/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS115	Ivanpah 3	32	Unknown	64	85	4/5/11	No	Pens	Pens	Pens	Pens	Pens
BS116	Ivanpah 3		Male	190	192	4/5/11	Yes	Missing	Missing	Missing	Missing	Missing
BS117	Ivanpah 2		Male	231	238	4/6/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS118	Recipient Site		Unknown	121	121	4/10/11	No	Deceased (Apr 2011)				
BS119	Recipient Site		Unknown	57	57	4/10/11	No	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT
BS120	Recipient Site		Male	263	263	4/11/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS121	Recipient Site		Male	246	250	4/12/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS122	Ivanpah 3		Male	194	207	4/12/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS123	Ivanpah 1	32	Unknown	57	76	4/13/11	No	Pens	Pens	Pens	Pens	Pens
BS124	Recipient Site		Male	235	235	4/13/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS125	Recipient Site		Male	252	246	4/14/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS126	Recipient Site		Female	232	233	4/14/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS127	Recipient Site		Female	248	251	4/13/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS128	Recipient Site		Female	207	215	4/15/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS129	Recipient Site		Male	295	289	4/16/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS130	Recipient Site		Male	245	258	4/17/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS131	Recipient Site		Male	274	272	4/18/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS132	Recipient Site		Female	205	214	4/19/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS133	Recipient Site		Female	210	206	4/20/11	Yes	Missing	Missing	Missing	Missing	Missing
BS134	Recipient Site		Female	228	223	4/21/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS135	Recipient Site		Male	196	205	4/21/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS136	Recipient Site		Female	228	227	4/21/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS137	Recipient Site		Female	227	230	4/21/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS138	Recipient Site		Female	216	218	4/23/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS139	Recipient Site		Male	266	266	4/23/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS140	Recipient Site		Female	203	206	4/23/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS141	Ivanpah 2		Female	200	209	4/24/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS142	Recipient Site		Male	244	251	4/24/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient

BS143	Recipient Site		Male	219	220	4/24/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS144	Recipient Site		Female	204	207	4/24/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS145	Recipient Site		Male	284	282	4/24/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS146	Recipient Site		Female	213	212	4/24/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS147	Recipient Site		Male	270	268	4/25/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS148	Recipient Site		Male	261	262	4/24/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS149	Recipient Site		Male	253	255	4/25/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS150	Recipient Site		Female	208	209	4/24/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS151	Recipient Site		Male	247	240	4/24/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS153	Recipient Site		Female	237	237	4/26/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS154	Recipient Site		Female	233	234	4/26/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS155	Recipient Site		Male	264	262	4/26/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS156	Recipient Site		Female	198	208	4/26/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS157	Ivanpah 2	45	Female	142	181	4/24/11	No	Pens	Pens	Pens	Pens	Pens
BS158	Recipient Site		Female	213	212	4/24/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS159	Recipient Site		Female	248	249	4/24/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS160	Recipient Site		Male	252	250	4/27/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS161	Recipient Site		Female	227	236	4/27/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS162	Recipient Site		Female	231	231	4/28/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS163	Recipient Site		Male	201	209	4/28/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS164	Recipient Site		Male	315	311	4/25/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS165	Recipient Site		Male	251	254	4/28/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS166	Recipient Site		Female	243	246	4/28/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS167	Recipient Site		Male	269	269	4/29/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS168	Recipient Site		Female	239	244	4/29/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS169	Recipient Site		Male	208	218	4/29/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS170	Recipient Site		Female	213	219	4/29/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS171	Recipient Site		Male	254	257	4/28/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS172	Recipient Site		Male	225	230	4/28/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS173	Ivanpah 2		Female	217	214	5/11/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS174	Ivanpah 1	32	Unknown	59	87	5/12/11	No	Pens	Pens	Pens	Pens	Pens
BS175	Ivanpah 1	32	Unknown	62	95	5/12/11	No	Pens	Pens	Pens	Pens	Pens
BS176	Ivanpah 3		Female	228	231	5/17/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS177	Ivanpah 2		Female	236	235	5/22/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS178	Ivanpah 1	205	Unknown	46	70	6/9/11	No	Pens	Pens	Pens	Pens	Pens
BS179	Ivanpah 3	46	Unknown	122	149	6/11/11	No	Pens	Pens	Pens	Pens	Pens
BS180	Recipient Site		Unknown	94	103	7/12/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS181	Ivanpah 3	32	Unknown	62	62	7/20/11	No	Pens	Pens	Pens	Pens	Pens
BS182	Ivanpah 2	205	Unknown	59	76	7/27/11	No	Pens	Pens	Pens	Pens	Pens
BS183	Ivanpah 2		Male	261	262	7/30/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS184	Ivanpah 3	82	Female	176	184	8/4/2011	Yes	Pens	Pens	Pens	Pens	Pens
BS185	Ivanpah 3	205	Unknown	53	67	8/6/2011	No	Pens	Pens	Pens	Pens	Pens

BS186	Ivanpah 2		Unknown	137	141	8/7/2011	Yes	Pens	Pens	Pens	Recipient	Recipient
BS187	Ivanpah 3	80	Female	190	192	8/8/2011	Yes	Pens	Pens	Pens	Pens	Pens
BS188	Ivanpah 3	34	Unknown	75	89	8/12/2011	No	Pens	Pens	Pens	Pens	Pens
BS189	Ivanpah 3		Unknown	137	140	8/13/2011	Yes	Pens	Pens	Pens	Recipient	Recipient
BS190	Ivanpah 3	34	Unknown	102	102	8/15/2011	No	Pens	Pens	Pens	Pens	Pens
BS191	Ivanpah 2	32	Unknown	82	92	4/15/2011	No	Pens	Pens	Pens	Pens	Pens
BS192	Recipient Site		Unknown	148	153	8/23/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS193	Ivanpah 3	18	Unknown	70	76	4/15/2011	No	Pens	Pens	Pens	Pens	Pens
BS194	Headstart Pens	207	Unknown	45	52	8/25/2011	No	Pens	Pens	Pens	Pens	Pens
BS195	Headstart Pens	207	Unknown	43	54	8/26/2011	No	Pens	Pens	Pens	Pens	Pens
BS196	Headstart Pens	207	Unknown	43	50	8/26/2011	No	Pens	Pens	Pens	Pens	Pens
BS197	Headstart Pens	207	Unknown	45	48	8/26/2011	No	Pens	Pens	Pens	Pens	Pens
BS198	Headstart Pens	207	Unknown	44	50	8/26/2011	No	Pens	Pens	Pens	Pens	Pens
BS199	Headstart Pens	207	Unknown	43	47	8/26/2011	No	Pens	Pens	Pens	Pens	Pens
BS200	Headstart Pens	216	Unknown	41	55	8/29/2011	No	Pens	Pens	Pens	Pens	Pens
BS201	Headstart Pens	216	Unknown	43	54	8/29/2011	No	Pens	Pens	Pens	Pens	Pens
BS202	Headstart Pens	216	Unknown	46	50	8/29/2011	No	Pens	Pens	Pens	Pens	Pens
BS203	Headstart Pens	201	Unknown	44	50	8/29/2011	No	Pens	Pens	Pens	Pens	Pens
BS204	Headstart Pens	201	Unknown	43	52	8/29/2011	No	Pens	Pens	Pens	Pens	Pens
BS205	Headstart Pens	216	Unknown	41	57	8/29/2011	No	Pens	Pens	Pens	Pens	Pens
BS206	Headstart Pens		Unknown	31	31	8/29/2011	No	Deceased (Aug 2011)				
BS207	Headstart Pens	201	Unknown	43	47	8/30/2011	No	Pens	Pens	Pens	Pens	Pens
BS208	Headstart Pens	215	Unknown	46	52	8/30/2011	No	Pens	Pens	Pens	Pens	Pens
BS209	Headstart Pens	215	Unknown	40	53	8/30/2011	No	Pens	Pens	Pens	Pens	Pens
BS210	Headstart Pens	217	Unknown	40	52	8/30/2011	No	Pens	Pens	Pens	Pens	Pens
BS211	Headstart Pens	218	Unknown	44	52	8/31/2011	No	Pens	Pens	Pens	Pens	Pens
BS212	Headstart Pens	215	Unknown	48	56	9/1/2011	No	Pens	Pens	Pens	Pens	Pens

BS213	Headstart Pens	215	Unknown	46	56	9/1/2011	No	Pens	Pens	Pens	Pens	Pens
BS214	Headstart Pens	215	Unknown	45	57	9/1/2011	No	Pens	Pens	Pens	Pens	Pens
BS215	Headstart Pens	216	Unknown	44	52	9/1/2011	No	Pens	Pens	Pens	Pens	Pens
BS216	Headstart Pens	217	Unknown	42	49	9/1/2011	No	Pens	Pens	Pens	Pens	Pens
BS217	Ivanpah 3		Male	253	254	9/3/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS218	Headstart Pens		Unknown	38	38	9/3/2011	No	Deceased (Sep 2011)				
BS219	Headstart Pens	216	Unknown	43	52	9/3/2011	No	Pens	Pens	Pens	Pens	Pens
BS220	Ivanpah 3		Male	268	265	9/5/2011	Yes	Pens	Pens	Pens	Recipient	Recipient
BS221	Headstart Pens	201	Unknown	48	55	9/5/2011	No	Pens	Pens	Pens	Pens	Pens
BS222	Headstart Pens		Unknown	44	45	9/5/2011	No	Pens	Pens	Pens	Moved permanently to MNP Headstart Pens	
BS223	Ivanpah 3		Male	197	202	9/6/2011	Yes	Pens	Pens	Pens	Recipient	Recipient
BS224	Headstart Pens		Unknown	43	46	9/6/2011	No	Pens	Pens	Pens	Moved permanently to MNP Headstart Pens	
BS225	Headstart Pens		Unknown	43	46	9/6/2011	No	Pens	Pens	Pens	Moved permanently to MNP Headstart Pens	
BS226	Headstart Pens	201	Unknown	46	54	9/6/2011	No	Pens	Pens	Pens	Pens	Pens
BS227	Headstart Pens	218	Unknown	44	56	9/7/2011	No	Pens	Pens	Pens	Pens	Pens
BS228	Headstart Pens		Unknown	46	47	9/7/2011	No	Pens	Pens	Pens	Moved permanently to MNP Headstart Pens	
BS229	Headstart Pens		Unknown	41	44	9/7/2011	No	Pens	Pens	Pens	Moved permanently to MNP Headstart Pens	
BS230	Recipient Site		Male	186	187	9/7/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS231	Headstart Pens	212	Unknown	43	49	9/7/2011	No	Pens	Pens	Pens	Pens	Pens
BS232	Headstart Pens		Unknown	42	42	9/7/2011	No	Deceased (Sep 2011)				
BS233	Headstart Pens	212	Unknown	44	50	9/7/2011	No	Pens	Pens	Pens	Pens	Pens
BS234	Headstart Pens		Unknown	42	44	9/8/2011	No	Pens	Pens	Pens	Moved permanently to MNP Headstart Pens	
BS235	Headstart Pens		Unknown	44	47	9/8/2011	No	Pens	Pens	Pens	Moved permanently to MNP Headstart Pens	
BS236	Headstart Pens		Unknown	42	47	9/8/2011	No	Pens	Pens	Pens	Moved permanently to MNP Headstart Pens	
BS237	Headstart Pens		Unknown	45	45	9/9/2011	No	Pens	Pens	Pens	Moved permanently to MNP Headstart Pens	
BS238	Headstart		Unknown	41	44	9/9/2011	No	Pens	Pens	Pens	Moved permanently to MNP Headstart	

	Pens											Pens	
BS239	Recipient Site		Female	224	222	9/8/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS240	Headstart Pens		Unknown	44	46	9/9/2011	No	Pens	Pens	Pens	Moved permanently to MNP Headstart Pens	
BS241	Headstart Pens	212	Unknown	41	49	9/11/2011	No	Pens	Pens	Pens	Pens	Pens
BS242	Recipient Site		Male	210	211	9/9/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS243	Recipient Site		Unknown	134	135	9/9/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS244	Ivanpah 2	223	Unknown	55	59	9/10/2011	No	Pens	Pens	Pens	Pens	Pens
BS245	Recipient Site		Male	281	287	9/10/2011	Yes	Missing	Missing	Missing	Missing	Missing
BS246	Ivanpah 3		Unknown	162	163	9/10/2011	Yes	Pens	Pens	Pens	Recipient	Recipient
BS247	Ivanpah 2	223	Unknown	61	67	9/10/2011	No	Pens	Pens	Pens	Pens	Pens
BS248	Recipient Site		Male	260	255	9/10/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS249	Headstart Pens	201	Unknown	45	55	9/11/2011	No	Pens	Pens	Pens	Pens	Pens
BS250	Headstart Pens		Unknown	48	48	9/12/2011	No	Pens	Pens	Pens	Moved permanently to MNP Headstart Pens	
BS251	Headstart Pens	209	Unknown	46	51	9/12/2011	No	Pens	Pens	Pens	Pens	Pens
BS252	Ivanpah 3	223	Unknown	79	84	9/12/2011	No	Pens	Pens	Pens	Pens	Pens
BS253	Headstart Pens	211	Unknown	44	50	9/13/2011	No	Pens	Pens	Pens	Pens	Pens
BS254	Headstart Pens	211	Unknown	43	51	9/13/2011	No	Pens	Pens	Pens	Pens	Pens
BS255	Headstart Pens	211	Unknown	43	50	9/13/2011	No	Pens	Pens	Pens	Pens	Pens
BS256	Ivanpah 3	223	Unknown	68	72	9/13/2011	No	Pens	Pens	Pens	Pens	Pens
BS257	Ivanpah 3		Unknown	140	138	9/14/2011	Yes	Pens	Pens	Pens	Recipient	Recipient
BS258	Ivanpah 2	223	Unknown	81	80	9/14/2011	No	Missing	Missing	Missing	Missing	Missing
BS259	Ivanpah 3	222	Unknown	114	113	9/14/2011	No	Pens	Pens	Pens	Pens	Pens
BS260	Ivanpah 3		Unknown	136	136	9/14/2011	Yes	Pens	Pens	Pens	Recipient	Recipient
BS261	Ivanpah 3	35	Unknown	134	133	9/14/2011	No	Pens	Pens	Pens	Pens	Pens
BS262	Headstart Pens		Unknown	42	44	9/16/2011	No	Pens	Pens	Pens	Moved permanently to MNP Headstart Pens	
BS263	Ivanpah 2	221	Unknown	74	76	9/16/2011	No	Pens	Pens	Pens	Pens	Pens
BS264	Ivanpah 3		Unknown	50	50	9/17/2011	No	Deceased (Sep 2011)				
BS265	Ivanpah 3	76	Unknown	126	129	9/18/2011	No	Pens	Pens	Pens	Pens	Pens
BS266	Ivanpah 2		Unknown	178	176	9/18/2011	Yes	Pens	Pens	Pens	Recipient	Recipient
BS267	Ivanpah 3	220	Unknown	82	87	9/18/2011	No	Pens	Pens	Pens	Pens	Pens
BS268	Ivanpah 3	219	Unknown	66	68	9/18/2011	No	Pens	Pens	Pens	Pens	Pens
BS269	Ivanpah 3	220	Unknown	93	97	9/18/2011	No	Pens	Pens	Pens	Pens	Pens
BS270	Ivanpah 3	60	Unknown	120	113	9/18/2011	No	Pens	Pens	Pens	Pens	Pens
BS271	Ivanpah 3	219	Unknown	59	66	9/19/2011	No	Pens	Pens	Pens	Pens	Pens
BS272	Ivanpah 3	222	Unknown	89	89	9/20/2011	No	Pens	Pens	Pens	Pens	Pens

BS273	Ivanpah 3	224	Unknown	104	104	9/20/2011	No	Pens	Pens	Pens	Pens	Pens
BS274	Ivanpah 3	210	Unknown	45	51	9/20/2011	No	Pens	Pens	Pens	Pens	Pens
BS275	Ivanpah 3		Female	205	204	9/20/2011	Yes	Pens	Pens	Pens	Recipient	Recipient
BS276	Ivanpah 3	221	Unknown	69	69	9/20/2011	No	Pens	Pens	Pens	Pens	Pens
BS277	Common East	210	Unknown	46	45	9/20/2011	No	Pens	Pens	Pens	Pens	Pens
BS278	Headstart Pens		Unknown	42	42	9/21/2011	No	Pens	Pens	Pens	Moved permanently to MNP Headstart Pens	
BS279	Headstart Pens	209	Unknown	48	54	9/21/2011	No	Pens	Pens	Pens	Pens	Pens
BS280	Ivanpah 3	219	Unknown	85	89	9/21/2011	No	Pens	Pens	Pens	Pens	Pens
BS281	Headstart Pens	209	Unknown	48	49	9/21/2011	No	Pens	Pens	Pens	Pens	Pens
BS282	Ivanpah 3	224	Unknown	90	91	9/21/2011	No	Pens	Pens	Pens	Pens	Pens
BS283	Ivanpah 2	214	Unknown	100	101	9/21/2011	No	Pens	Pens	Pens	Pens	Pens
BS284	Headstart Pens	209	Unknown	43	50	9/22/2011	No	Pens	Pens	Pens	Pens	Pens
BS285	Ivanpah 3	204	Unknown	54	61	9/22/2011	No	Pens	Pens	Pens	Pens	Pens
BS286	Ivanpah 3	204	Unknown	63	66	9/22/2011	No	Pens	Pens	Pens	Pens	Pens
BS287	Ivanpah 2	214	Unknown	111	110	9/22/2011	No	Pens	Pens	Pens	Pens	Pens
BS288	Ivanpah 2	204	Unknown	58	59	9/23/2011	No	Pens	Pens	Pens	Pens	Pens
BS289	Ivanpah 3	81	Female	214	211	9/22/2011	No	Pens	Pens	Pens	Pens	Pens
BS290	Ivanpah 3		Unknown	170	168	9/25/2011	Yes	Pens	Pens	Pens	Recipient	Recipient
BS291	Ivanpah 3	59	Unknown	157	153	9/23/2011	No	Pens	Pens	Pens	Pens	Pens
BS292	Ivanpah 2	222	Unknown	103	104	9/24/2011	No	Pens	Pens	Pens	Pens	Pens
BS293	Ivanpah 3	46	Unknown	129	129	9/24/2011	No	Pens	Pens	Pens	Pens	Pens
BS294	Ivanpah 3	46	Unknown	125	125	9/24/2011	No	Pens	Pens	Pens	Pens	Pens
BS295	Ivanpah 2	219	Unknown	60	63	9/26/2011	No	Pens	Pens	Pens	Pens	Pens
BS296	Ivanpah 3	221	Unknown	70	72	9/26/2011	No	Pens	Pens	Pens	Pens	Pens
BS297	Headstart Pens	209	Unknown	43	50	9/27/11	No	Pens	Pens	Pens	Pens	Pens
BS298	Ivanpah 3	221	Unknown	62	56	9/27/11	No	Pens	Pens	Pens	Pens	Pens
BS299	Headstart Pens	209	Unknown	47	56	9/29/11	No	Pens	Pens	Pens	Pens	Pens
BS300	Ivanpah 3	210	Unknown	47	58	9/29/11	No	Pens	Pens	Pens	Pens	Pens
BS301	Ivanpah 3	210	Unknown	47	47	9/29/11	No	Missing	Missing	Missing	Missing	Missing
BS302	Ivanpah 3	204	Unknown	62	62	9/30/11	No	Pens	Pens	Pens	Pens	Pens
BS303	Ivanpah 3	220	Unknown	76	83	9/30/11	No	Pens	Pens	Pens	Pens	Pens
BS304	Ivanpah 3	221	Unknown	72	76	10/2/11	No	Pens	Pens	Pens	Pens	Pens
BS305	Ivanpah 3		Female	224	224	10/3/11	Yes	Pens	Pens	Pens	Recipient	Recipient
BS306	Recipient Site		Unknown	133	134	10/3/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS307	Ivanpah 3	213	Unknown	64	67	10/3/11	No	Pens	Pens	Pens	Pens	Pens
BS308	Ivanpah 3	213	Unknown	62	64	10/4/11	No	Pens	Pens	Pens	Pens	Pens
BS309	Ivanpah 1		Unknown	60	60	10/4/11	No	Deceased (Oct 2011)				

BS310	Ivanpah 3	67	Male	277	277	10/4/11	No	Pens	Pens	Pens	Pens	Pens
BS311	Headstart Pens		Unknown	38	38	9/4/11	No	Deceased (Oct 2011)				
BS312	Ivanpah 1		Unknown	65	65	10/6/11	No	Deceased (Oct 2011)				
BS313	Recipient Site		Unknown	156	158	10/7/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS314	Recipient Site		Male	209	209	10/11/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS315	Recipient Site		Male	209	212	10/14/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS316	Recipient Site		Male	280	280	10/13/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS317	Recipient Site		Male	268	266	10/14/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS318	Recipient Site		Male	282	282	10/15/11	No	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT
BS319	Recipient Site		Male	277	277	10/15/11	No	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT
BS320	Recipient Site		Female	222	225	10/16/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS321	Recipient Site		Female	235	233	10/15/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS322	Recipient Site		Female	220	220	10/15/11	No	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT
BS323	Recipient Site		Female	219	220	10/15/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS324	Recipient Site		Female	207	205	10/15/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS325	Recipient Site		Male	267	267	10/15/11	No	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT
BS326	Recipient Site		Unknown	97	97	10/15/11	No	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT
BS327	Recipient Site		Female	219	219	10/15/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS328	Recipient Site		Male	251	252	10/16/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS329	Recipient Site		Male	265	265	10/16/11	No	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT
BS330	Recipient Site		Male	251	251	10/16/11	No	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT
BS331	Recipient Site		Male	260	260	10/16/11	No	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT
BS332	Recipient Site		Male	300	300	10/16/11	No	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT
BS333	Ivanpah 1	210	Unknown	43	45	10/17/11	No	Pens	Pens	Pens	Pens	Pens
BS334	Recipient Site		Female	225	224	10/17/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS335	Recipient Site		Male	271	271	10/17/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS336	Recipient Site		Unknown	104	104	10/19/11	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS337	Common East		Unknown	37	37	11/28/11	No	Deceased (Nov 2011)				
BS338	Ivanpah 2	220	Unknown	62	64	3/5/12	No			Pens	Pens	Pens
BS339	Recipient Site		Unknown	167	167	3/15/12	Yes			Recipient	Recipient	Recipient
BS340	Ivanpah 2		Unknown	55	55	3/21/12	No			Deceased		
BS341	Ivanpah 1	213	Unknown	70	72	4/3/12	No				Pens	Pens
BS342	Recipient Site		Unknown	68	69	4/9/12	Yes				Recipient	Recipient
BS500	Control Site		Female	243	240	3/30/11	Yes	Control	Control	Control	Control	Control
BS501	Control Site		Female	189	191	4/1/11	Yes	Control	Control	Control	Control	Control
BS502	Control Site		Female	217	216	4/1/11	Yes	Control	Control	Control	Control	Control
BS503	Control Site		Male	238	240	4/1/11	Yes	Control	Control	Control	Control	Control
BS504	Control Site		Female	198	209	4/2/11	Yes	Control	Control	Control	Control	Control
BS505	Control Site		Male	213	219	4/1/11	Yes	Control	Control	Control	Control	Control
BS506	Control Site		Male	252	254	4/1/11	Yes	Control	Control	Control	Control	Control
BS507	Control Site	79	Female	221	225	4/1/11	No	Husbandry	Husbandry	Husbandry	Pens	Pens

							Facility	Facility	Facility			
BS508	Control Site	Male	237	241	4/1/11	Yes	Control	Control	Control	Control	Control	
BS509	Control Site	Male	169	184	4/2/11	Yes	Control	Control	Control	Control	Control	
BS510	Control Site	Male	256	265	4/1/11	Yes	Control	Control	Control	Control	Control	
BS511	Control Site	Female	221	220	4/1/11	Yes	Control	Control	Control	Control	Control	
BS512	Control Site	Male	272	275	4/1/11	Yes	Control	Control	Control	Control	Control	
BS513	Control Site	Female	225	225	4/1/11	Yes	Control	Control	Control	Control	Control	
BS514	Control Site	Unknown	158	168	4/1/11	Yes	Control	Control	Control	Control	Control	
BS515	Control Site	Female	213	222	4/1/11	Yes	Control	Control	Control	Control	Control	
BS516	Control Site	Unknown	48	48	4/2/11	No	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT	
BS517	Control Site	Male	220	223	4/1/11	Yes	Control	Control	Control	Control	Control	
BS518	Control Site	Unknown	122	135	4/1/11	Yes	Control	Control	Control	Control	Control	
BS519	Control Site	Female	206	208	4/1/11	Yes	Control	Control	Control	Control	Control	
BS520	Control Site	Unknown	130	138	4/1/11	Yes	Control	Control	Control	Control	Control	
BS521	Control Site	Unknown	137	150	4/2/11	Yes	Control	Control	Control	Control	Control	
BS522	Control Site	Male	269	266	4/1/11	Yes	Control	Control	Control	Control	Control	
BS523	Control Site	Female	225	226	4/2/11	Yes	Control	Control	Control	Control	Control	
BS524	Control Site	Male	257	257	4/1/11	Yes	Control	Control	Control	Control	Control	
BS525	Control Site	Unknown	49	49	4/2/11	No	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT	
BS526	Control Site	Unknown	88	88	4/2/11	No	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT	
BS527	Control Site	Female	202	216	4/1/11	Yes	Control	Control	Control	Control	Control	
BS528	Control Site	Unknown	65	65	4/2/11	No	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT	
BS529	Control Site	Male	233	234	4/2/11	Yes	Control	Control	Control	Control	Control	
BS530	Control Site	Male	205	214	4/1/11	Yes	Control	Control	Control	Control	Control	
BS531	Control Site	Female	203	202	4/1/11	Yes	Control	Control	Control	Control	Control	
BS532	Control Site	Female	203	205	4/1/11	Yes	Control	Control	Control	Control	Control	
BS533	Control Site	Female	200	196	4/2/11	Yes	Control	Control	Control	Control	Control	
BS534	Control Site	Male	226	223	4/2/11	Yes	Control	Control	Control	Control	Control	
BS535	Control Site	Male	238	238	4/2/11	Yes	Control	Control	Control	Control	Control	
BS536	Control Site	Unknown	122	124	4/2/11	Yes	Control	Control	Control	Control	Control	
BS537	Control Site	Male	236	229	4/3/11	Yes	Control	Control	Control	Control	Control	
BS538	Control Site	Female	216	215	4/3/11	Yes	Control	Control	Control	Control	Control	
BS539	Control Site	Male	240	241	10/8/11	Yes	Control	Control	Control	Control	Control	
BS540	Control Site	Male	198	200	10/8/11	Yes	Control	Control	Control	Control	Control	
BS541	Control Site	Male	249	250	10/8/11	Yes	Control	Control	Control	Control	Control	
BS542	Control Site	Male	270	265	10/8/11	Yes	Control	Control	Control	Control	Control	
BS543	Control Site	Female	241	244	10/8/11	Yes	Control	Control	Control	Control	Control	
BS544	Control Site	Male	214	212	10/9/11	Yes	Control	Control	Control	Control	Control	
BS545	Control Site	Female	197	200	10/8/11	Yes	Control	Control	Control	Control	Control	
BS546	Control Site	Male	218	218	10/9/11	Yes	Control	Control	Control	Control	Control	
BS547	Control Site	Female	225	225	10/9/11	No	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT	
BS548	Control Site	Unknown	86	86	10/9/11	Yes	Control	Control	Control	Control	Control	

BS549	Control Site	Male	217	219	10/9/11	Yes	Control	Control	Control	Control	Control
BS550	Control Site	Male	278	279	10/9/11	Yes	Control	Control	Control	Control	Control
BS551	Control Site	Male	266	269	10/9/11	Yes	Control	Control	Control	Control	Control
BS552	Control Site	Male	285	285	10/9/11	Yes	Control	Control	Control	Control	Control
BS553	Control Site	Male	256	255	10/9/11	Yes	Control	Control	Control	Control	Control
BS554	Control Site	Female	216	219	10/10/11	Yes	Control	Control	Control	Control	Control
BS555	Control Site	Female	222	221	10/10/11	Yes	Control	Control	Control	Control	Control
BS556	Control Site	Unknown	157	160	10/9/11	Yes	Control	Control	Control	Control	Control
BS557	Control Site	Unknown	133	132	10/11/11	Yes	Control	Control	Control	Control	Control
BS558	Control Site	Male	246	247	10/11/11	Yes	Control	Control	Control	Control	Control
BS559	Control Site	Female	232	233	10/10/11	Yes	Control	Control	Control	Control	Control
BS560	Control Site	Female	228	233	10/11/11	Yes	Control	Control	Control	Control	Control
BS561	Control Site	Unknown	160	160	10/11/11	Yes	Control	Control	Control	Control	Control
BS562	Control Site	Unknown	118	115	10/11/11	Yes	Control	Control	Control	Control	Control
BS563	Control Site	Male	267	267	10/11/11	Yes	Control	Control	Control	Control	Control
BS564	Control Site	Male	265	265	10/11/11	Yes	Control	Control	Control	Control	Control
BS565	Control Site	Male	249	248	10/11/11	Yes	Control	Control	Control	Control	Control
BS566	Control Site	Female	211	214	10/11/11	Yes	Control	Control	Control	Control	Control
BS567	Control Site	Male	266	266	10/11/11	Yes	Control	Control	Control	Control	Control
BS568	Control Site	Female	186	183	10/11/11	Yes	Control	Control	Control	Control	Control
BS569	Control Site	Female	235	234	10/11/11	Yes	Control	Control	Control	Control	Control
BS570	Control Site	Male	260	257	10/11/11	Yes	Control	Control	Control	Control	Control
BS571	Control Site	Male	256	255	10/11/11	Yes	Control	Control	Control	Control	Control
BS572	Control Site	Female	236	235	10/11/11	Yes	Control	Control	Control	Control	Control
BS573	Control Site	Male	248	248	10/11/11	Yes	Control	Control	Control	Control	Control
BS574	Control Site	Unknown	167	170	10/12/11	Yes	Control	Control	Control	Control	Control
BS575	Control Site	Male	260	261	10/12/11	Yes	Control	Control	Control	Control	Control
BS576	Control Site	Female	242	241	10/12/11	Yes	Control	Control	Control	Control	Control
BS577	Control Site	Female	220	221	10/12/11	Yes	Control	Control	Control	Control	Control
BS578	Control Site	Male	268	267	10/12/11	Yes	Control	Control	Control	Control	Control
BS579	Control Site	Male	217	216	10/12/11	Yes	Control	Control	Control	Control	Control
BS580	Control Site	Unknown	133	132	10/12/11	Yes	Control	Control	Control	Control	Control
BS581	Control Site	Unknown	100	101	10/12/11	Yes	Control	Control	Control	Control	Control
BS582	Control Site	Female	226	227	10/12/11	Yes	Control	Control	Control	Control	Control
BS583	Control Site	Female	215	212	10/12/11	Yes	Control	Control	Control	Control	Control
BS584	Control Site	Unknown	133	134	10/13/11	Yes	Control	Control	Control	Control	Control
BS585	Control Site	Unknown	80	78	10/13/11	Yes	Control	Control	Control	Control	Control
BS586	Control Site	Male	274	280	10/13/11	Yes	Control	Control	Control	Control	Control
BS587	Control Site	Unknown	107	108	10/13/11	Yes	Control	Control	Control	Control	Control
BS588	Control Site	Unknown	138	138	10/13/11	Yes	Control	Control	Control	Control	Control
BS589	Control Site	Male	237	236	10/13/11	Yes	Control	Control	Control	Control	Control
BS590	Control Site	Male	272	272	10/13/11	Yes	Control	Control	Control	Control	Control

BS591	Control Site	Female	216	216	10/13/11	Yes	Control	Control	Control	Control	Control
BS592	Control Site	Unknown	115	115	10/13/11	Yes	Control	Control	Control	Control	Control
BS593	Control Site	Female	218	217	10/13/11	Yes	Control	Control	Control	Control	Control
BS594	Control Site	Male	182	183	10/13/11	Yes	Control	Control	Control	Control	Control
BS595	Control Site	Female	216	219	10/13/11	Yes	Control	Control	Control	Control	Control
BS596	Control Site	Female	235	233	10/14/11	Yes	Control	Control	Control	Control	Control
BS597	Control Site	Male	268	269	10/13/11	Yes	Control	Control	Control	Control	Control
BS598	Control Site	Female	234	235	10/14/11	Yes	Control	Control	Control	Control	Control
BS599	Control Site	Female	215	217	10/13/11	Yes	Control	Control	Control	Control	Control
BS600	Control Site	Male	254	254	10/13/11	Yes	Control	Control	Control	Control	Control
BS601	Control Site	Unknown	90	91	10/14/11	No	Control	Control	Control	Control	Deceased
BS602	Control Site	Male	207	205	10/14/11	Yes	Control	Control	Control	Control	Control
BS603	Control Site	Unknown	109	108	10/14/11	No	Control	Control	Control	Control	Deceased
BS604	Control Site	Female	189	189	10/14/11	Yes	Control	Control	Control	Control	Control
BS605	Control Site	Female	219	215	10/14/11	Yes	Control	Control	Control	Control	Control
BS606	Control Site	Male	198	199	10/14/11	Yes	Control	Control	Control	Control	Control
BS607	Control Site	Unknown	88	87	10/14/11	Yes	Control	Control	Control	Control	Control
BS608	Control Site	Male	243	240	10/14/11	Yes	Control	Control	Control	Control	Control
BS609	Control Site	Male	241	242	10/14/11	Yes	Control	Control	Control	Control	Control
BS610	Control Site	Unknown	152	152	10/14/11	Yes	Control	Control	Control	Control	Control
BS611	Control Site	Unknown	104	106	10/15/11	Yes	Control	Control	Control	Control	Control
BS612	Control Site	Unknown	81	83	10/15/11	Yes	Control	Control	Control	Control	Control
BS613	Control Site	Female	224	219	10/15/11	Yes	Control	Control	Control	Control	Control
BS614	Control Site	Male	271	271	10/15/11	Yes	Control	Control	Control	Control	Control
BS615	Control Site	Male	284	282	10/15/11	Yes	Control	Control	Control	Control	Control
BS616	Control Site	Female	240	240	10/15/11	Yes	Control	Control	Control	Control	Control
BS617	Control Site	Unknown	179	176	10/15/11	Yes	Control	Control	Control	Control	Control
BS618	Control Site	Male	274	274	10/15/11	Yes	Control	Control	Control	Control	Control
BS619	Control Site	Female	221	215	10/9/11	Yes	Control	Control	Control	Control	Control
BS620	Control Site	Female	187	183	10/15/11	Yes	Control	Control	Control	Control	Control
BS621	Control Site	Female	199	201	10/15/11	Yes	Control	Control	Control	Control	Control
BS622	Control Site	Unknown	76	76	10/15/11	Yes	Control	Control	Control	Control	Control
BS623	Control Site	Female	223	223	10/15/11	Yes	Control	Control	Control	Control	Control
BS624	Control Site	Unknown	99	98	10/15/11	Yes	Control	Control	Control	Control	Control
BS625	Control Site	Male	272	270	10/15/11	Yes	Control	Control	Control	Control	Control
BS626	Control Site	Unknown	173	173	10/16/11	Yes	Control	Control	Control	Control	Control
BS627	Control Site	Unknown	61	61	10/16/11	Yes	Control	Control	Control	Control	Control
BS628	Control Site	Male	226	226	10/16/11	Yes	Control	Control	Control	Control	Control
BS629	Control Site	Unknown	150	149	10/16/11	Yes	Control	Control	Control	Control	Control
BS630	Control Site	Unknown	143	141	10/16/11	Yes	Control	Control	Control	Control	Control
BS631	Control Site	Female	222	221	10/16/11	Yes	Control	Control	Control	Control	Control
BS632	Control Site	Unknown	93	92	10/16/11	Yes	Control	Control	Control	Control	Control

BS633	Control Site	Unknown	67	67	10/16/11	Yes	Control	Control	Control	Control	Control
BS634	Control Site	Unknown	130	131	10/16/11	Yes	Control	Control	Control	Control	Control
BS635	Control Site	Unknown	159	160	10/16/11	Yes	Control	Control	Control	Control	Control
BS636	Control Site	Female	271	271	10/16/11	Yes	Control	Control	Control	Control	Control
BS637	Control Site	Unknown	121	129	10/16/11	No	Control	Control	Deceased		
BS638	Control Site	Male	260	255	10/16/11	Yes	Control	Control	Control	Control	Control
BS639	Control Site	Male	210	268	10/16/11	Yes	Control	Control	Control	Control	Control
BS640	Control Site	Unknown	76	76	10/17/11	Yes	Control	Control	Control	Control	Control
BS641	Control Site	Male	232	232	10/16/11	Yes	Control	Control	Control	Control	Control
BS642	Control Site	Female	200	194	10/17/11	Yes	Control	Control	Control	Control	Control
BS643	Control Site	Male	221	218	10/17/11	Yes	Control	Control	Control	Control	Control
BS644	Control Site	Male	265	268	10/17/11	Yes	Control	Control	Control	Control	Control
BS645	Control Site	Male	269	269	10/17/11	Yes	Control	Control	Control	Control	Control
BS646	Control Site	Female	227	227	10/17/11	Yes	Control	Control	Control	Control	Control
BS647	Control Site	Unknown	93	93	10/17/11	Yes	Control	Control	Control	Control	Control
BS648	Control Site	Male	261	261	10/17/11	Yes	Control	Control	Control	Control	Control
BS649	Control Site	Female	246	247	10/17/11	Yes	Control	Control	Control	Control	Control
BS650	Control Site	Male	264	269	10/17/11	Yes	Control	Control	Control	Control	Control
BS651	Control Site	Male	247	247	10/17/11	Yes	Control	Control	Control	Control	Control
BS652	Control Site	Male	234	236	10/17/11	Yes	Control	Control	Control	Control	Control
BS653	Control Site	Male	196	200	10/17/11	Yes	Control	Control	Control	Control	Control
BS654	Control Site	Unknown	152	153	10/15/11	Yes	Control	Control	Control	Control	Control
BS655	Control Site	Unknown	88	87	10/18/11	Yes	Control	Control	Control	Control	Control

Table 4. May 2012 ISEGS Missing Tortoise List.

Tortoise ID	Tortoise Type	Transmitter?	Initial Location	Most Recent Location	Sex	MCL	Last Successful Tracking	Transmitter Expire Date	Comments
BS54	Translocatee - Head Start	No	Ivanpah 3	Holding Pens	Unknown	47	3/1/2011	n/a	Last seen in a holding pen. Cannot be found.
BS116	Translocatee	Yes	Ivanpah 3	Recipient	Female	192	7/1/2011	2/1/2013	Last seen 8 km northeast of Ivanpah 3
BS133	Recipient	Yes	Recipient	Recipient	Female	210	10/1/2011	12/1/2011	Transmitter was found chewed off and on the ground one kilometer east of Ivanpah 1.
BS245	Recipient	Yes	Recipient	Recipient	Male	287	10/1/2011	7/1/2013	Last seen one kilometer east of Ivanpah 1
BS258	Translocatee - Head Start	No	Ivanpah 2	Holding Pens	Unknown	80	10/1/2011	n/a	Last seen in Head Start pen. In the fall. Did not come out of brumation this spring. Cannot be found.
BS301	Translocatee - Head Start	No	Ivanpah 3	Holding Pens	Unknown	47	9/1/2011	n/a	Last seen in Head Start pen. Did not come out of brumation this spring. Cannot be found.

Table 5. 2012 ISEGS Nesting Bird Master List.

Nest_ID	Species	Substrate	UTM_ Easting	UTM_ Northing	MAP Yes/No?	ON/OFF_ Site?	Site Location	Init_Date	Init_Status	Advance_Status	Nestlings	Final_ Status	Disp/Fail_ Date	EST_Fledge	Comments
222LCTH	LCTH	B.Cholla	638195	3935150	No	ON Site	Ivan 2 SW	3/27/12	No eggs	Nestlings	1	FAILED	4/23/12	4/30-5/3	Failed early nestling period
223CORA	CORA	Transmission Tower	642510	3941739	No	OFF Site	Recipient East West Lines	4/20/12	Eggs	Nestlings	2	FAILED	5/27/12		Failed mid nestling period
224RTHA	RTHA	Transmission Tower	641658	3941358	Yes	OFF Site	Recipient East West Lines	4/20/12	Eggs	Nestlings	2				
225CORA	CORA	Transmission Tower	639122	3940865	No	OFF Site	Recipient East West Lines	4/20/12	No eggs	Eggs	0	FAILED	5/25/12		Failed 5/21 - 5/23, late incubation - hatching
226RTHA	RTHA	Transmission Tower	635374	3940140	Yes	OFF Site	Recipient East West Lines	4/20/12	Eggs	Nestlings	2				
227RTHA	RTHA	Transmission Tower	633284	3940125	Yes	OFF Site	Recipient East West Lines	4/20/12	Eggs	Nestlings	2				
228CORA	CORA	Parking Garage Sign	645590	3941865	No	OFF Site	Whiskey Petes Parking Garage, Primm	4/20/12	Eggs	Nestlings	1	FAILED	5/12/12		Failed just prior to fledge, chick last seen alive 5/10
229CORA	CORA	Tamarisk Tree I-15	642321	3931469	No	OFF Site	Recipient I-15	4/20/12	Nestlings	Nestlings	2	FLEDGED	5/23/12		
230RTHA	RTHA	Transmission Tower	637323	3932693	Yes	OFF Site	Recipient North South Lines	4/20/12	Eggs	Nestlings	1				
231RTHA	RTHA	Transmission Tower	636325	3931698	Yes	OFF Site	Recipient North South Lines	4/20/12	Eggs	Nestlings	1				
232CORA	CORA	Transmission Tower	636026	3931374	No	OFF Site	Recipient North South Lines	4/20/12	No eggs	Adults Present	0	UNUSED			
233CORA	CORA	Transmission Tower	640410	3935762	No	OFF Site	Recipient North South Lines	4/20/12	Nestlings	Nestlings	4	FLEDGED	5/21/12		
234CORA	CORA	Transmission Tower	644524	3939879	Yes	OFF Site	Recipient N-S Lines Dry Lake Bed	4/20/12	No eggs	Nestlings	2				
235GOEA	GOEA	Cliff Ledge	635915	3941590	No	OFF Site	Recipient Umberci Mine	4/15/12	No eggs	Adults Present	0	UNUSED			
236CORA	CORA	Willow Tree	632775	3934437	No	OFF Site	Recipient Colosseum Rd. in MNP Mt. Clark	5/9/12	Eggs	Eggs	0	FAILED	5/12/12		Failed late incubation to early nestling period
237LOSH	LOSH	B. Cholla	637880	3935555	No	ON Site	Ivan 2 SW (Ring 13C)	5/7/12	No Eggs	1 Adult Present	0	UNUSED	5/15/12		Rarely 1 adult, never two, never laid, buffer removed after mammals scavenged cup lining material
238CORA	CORA	Artificial Mtn Buff Bill's	646161	3942483	No	OFF Site	Primm, Buffalo Bill's Roller Coaster	5/9/12	Nestling	Nestlings	1	FAILED	5/21/12		Failed mid-nestling period
239SAPH	SAPH	Flatbed Trailer	640398	3933747	No	ON Site	Ivan 1	5/15/12	No eggs	1 Adult Present	0	DISMANTLED	5/15/12		
240BTSP	BTSP	Ephedra sp.	636360	3936766	No	ON Site	Ivan 3 SW, Sector C	5/23/12	No eggs	1 Adult Present	0	DISMANTLED	5/23/12		
241CORA	CORA	Conifer	642943	3935102	No	OFF Site	Primm Valley Golf Course	5/23/12	Fledged	Nestlings	3	FLEDGED	5/23/12		Nest location courtesy J. Mohlmann
242BTSP	BTSP	Eriogonum sp.	636301	3937307	No	ON SITE	Ivan 3 SW	5/29/12	No Eggs	No eggs	0	DISMANTLED	5/29/12		

Figure 1. iSEGS Initial adult tortoise locations - Ivanpah 1 and recipient.

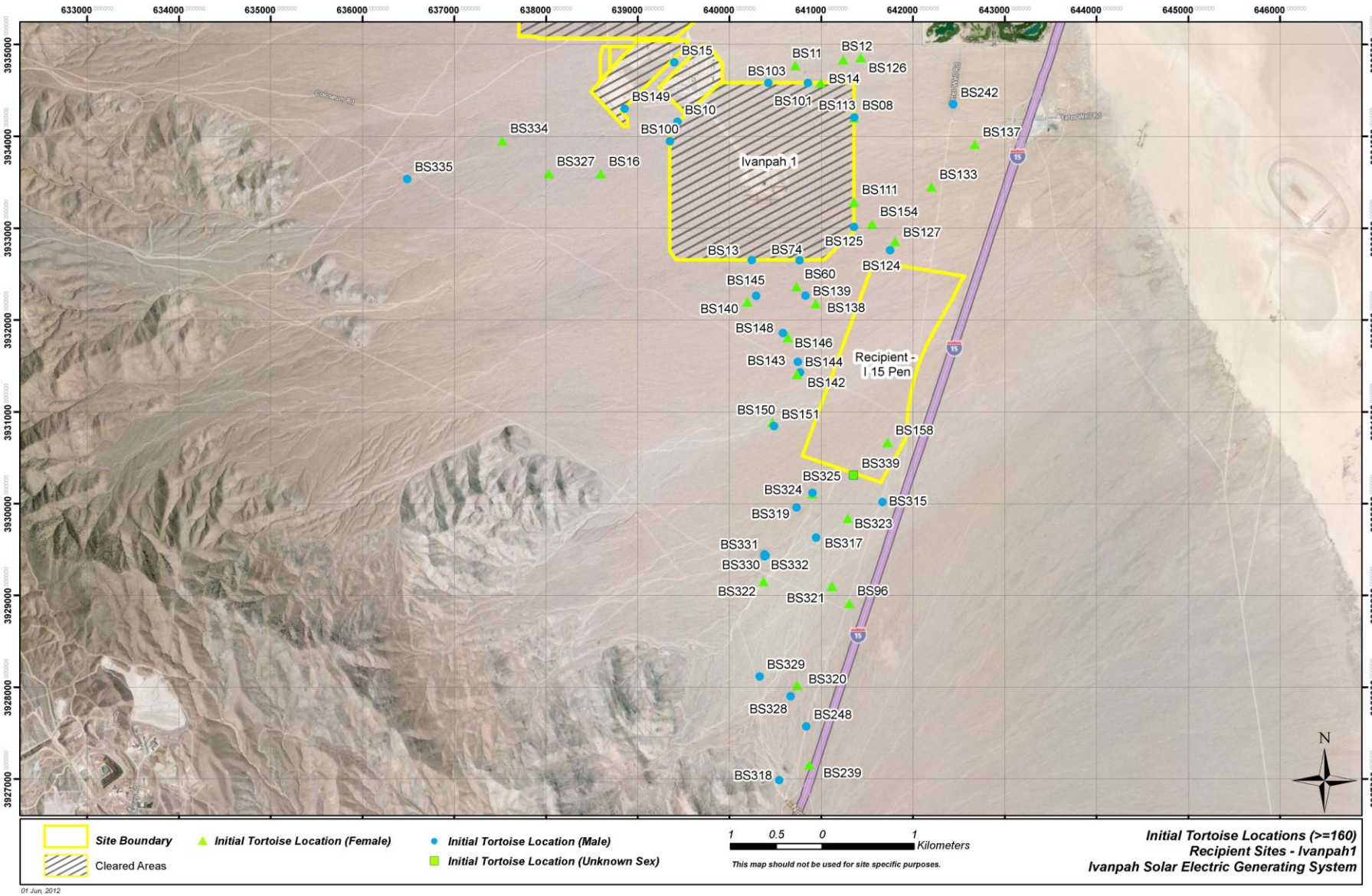


Figure 2. ISEGS initial juvenile tortoise locations – Ivanpah 1 and recipient.

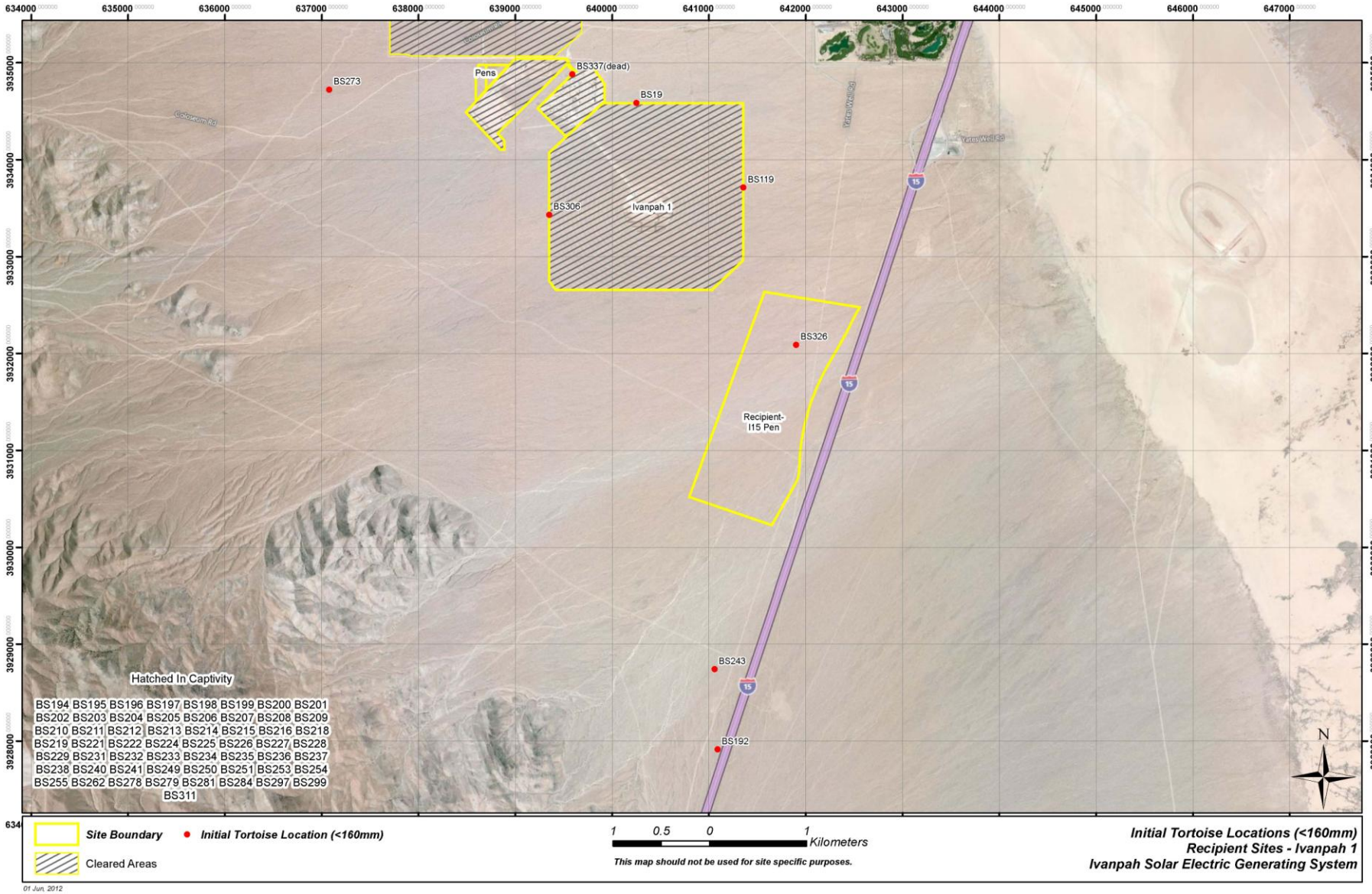


Figure 3. ISEGS initial adult tortoise locations – Ivanpah 2 and 3 and Recipient.

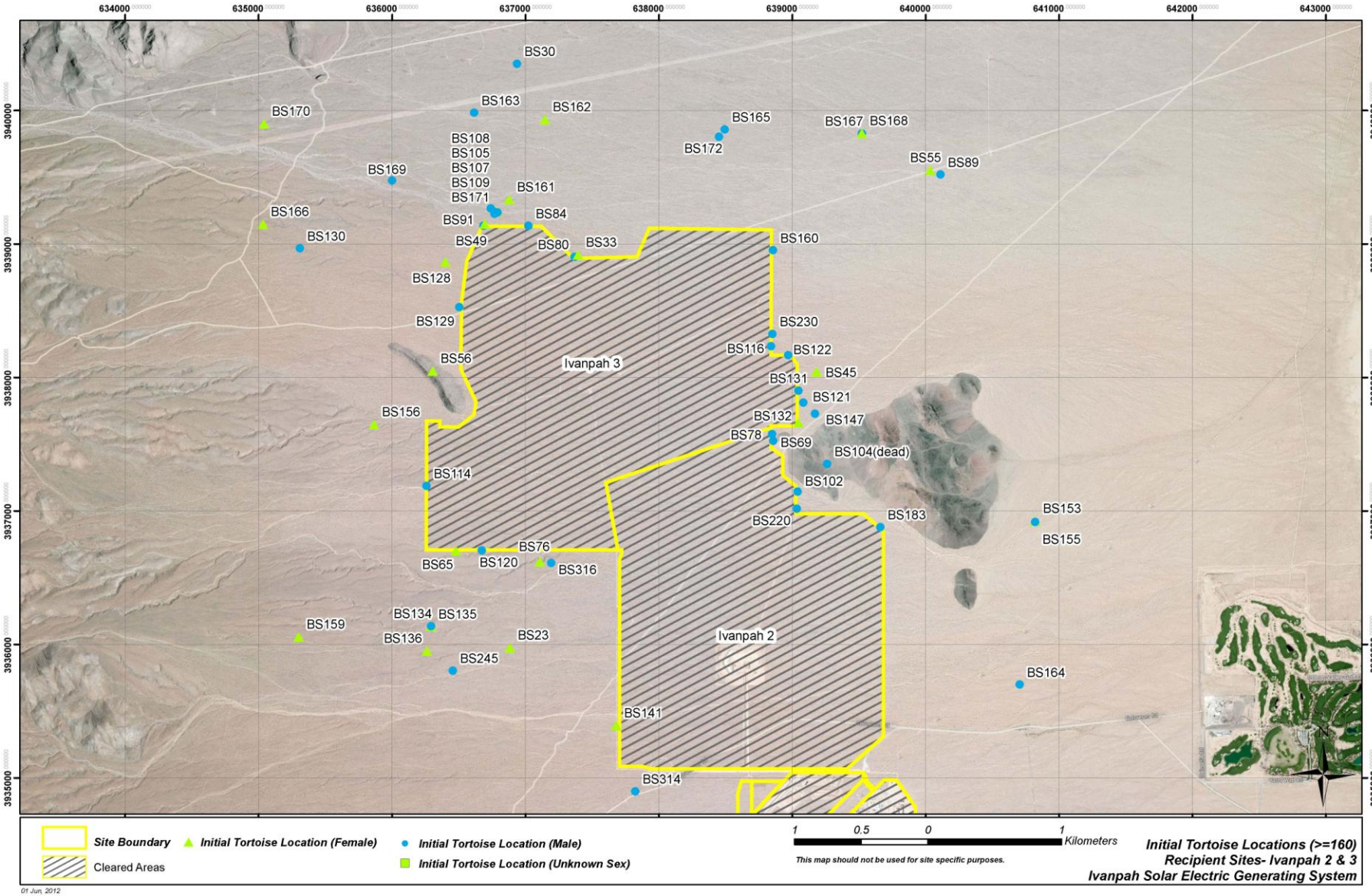


Figure 4. ISEGS Initial juvenile tortoise locations – Ivanpah 2 and 3 and Recipient.

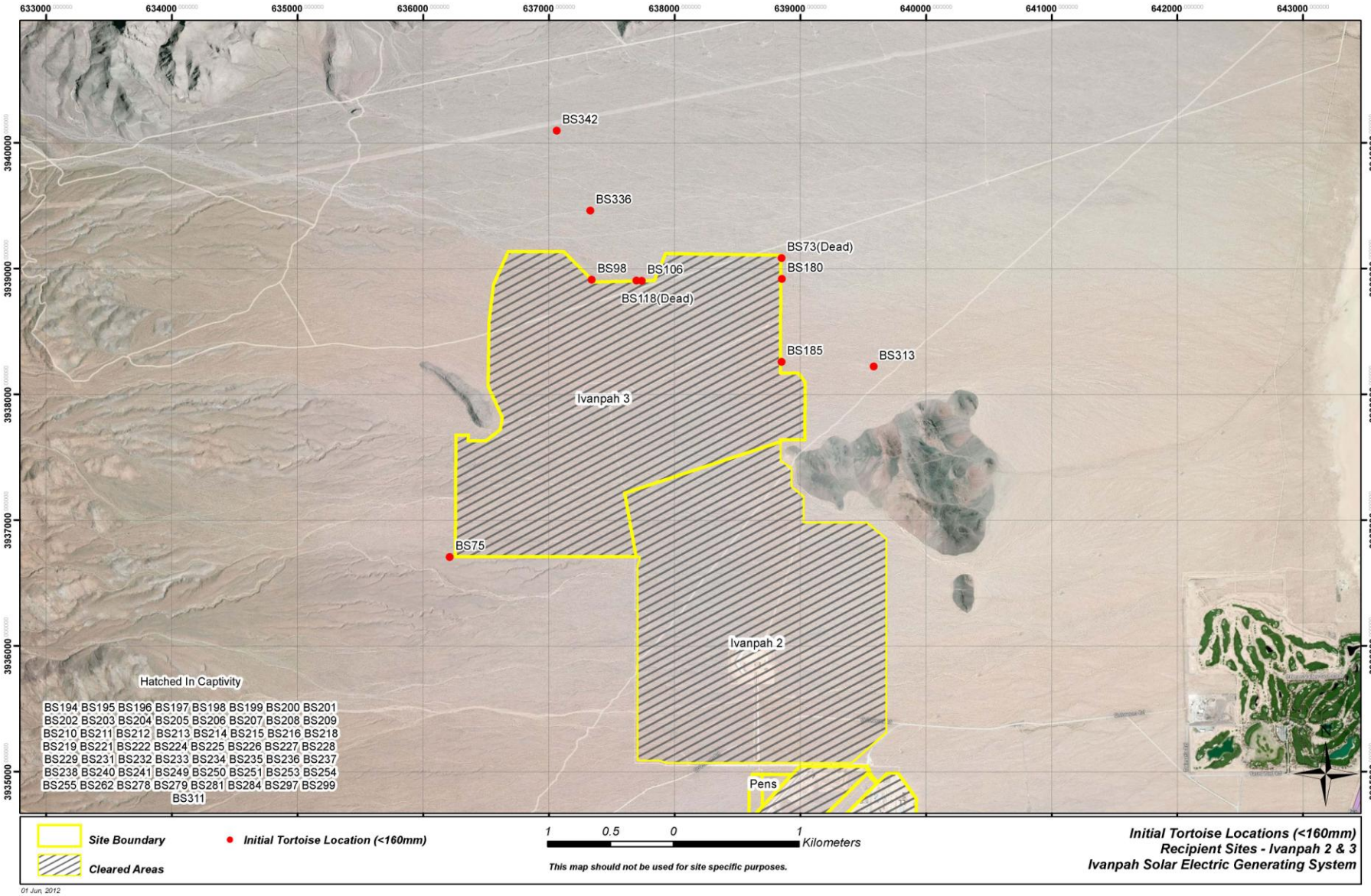


Figure 5. ISEGS Initial tortoise locations – East Control Site.

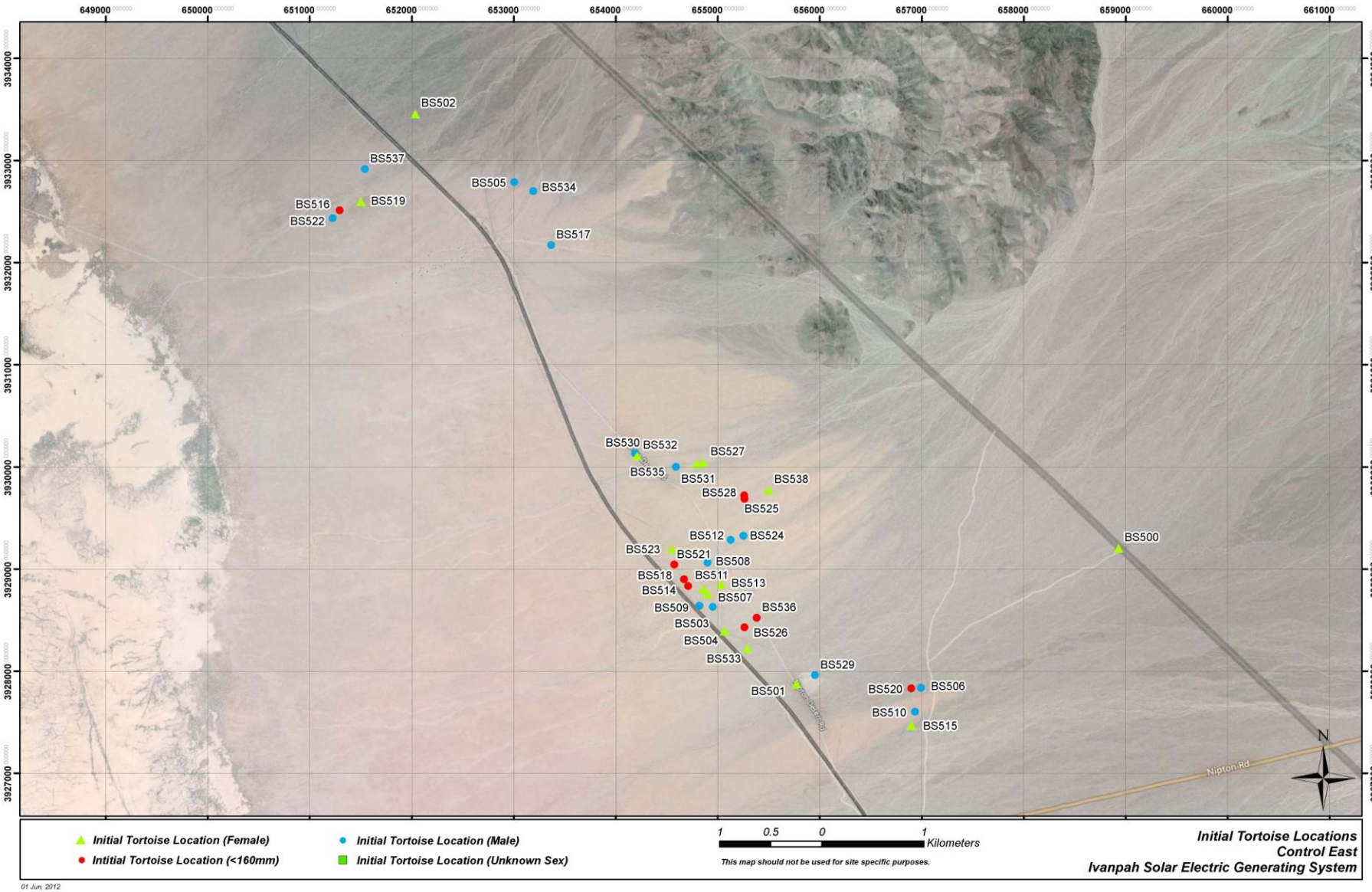


Figure 6. ISEGS Initial tortoise locations – West Control Site.

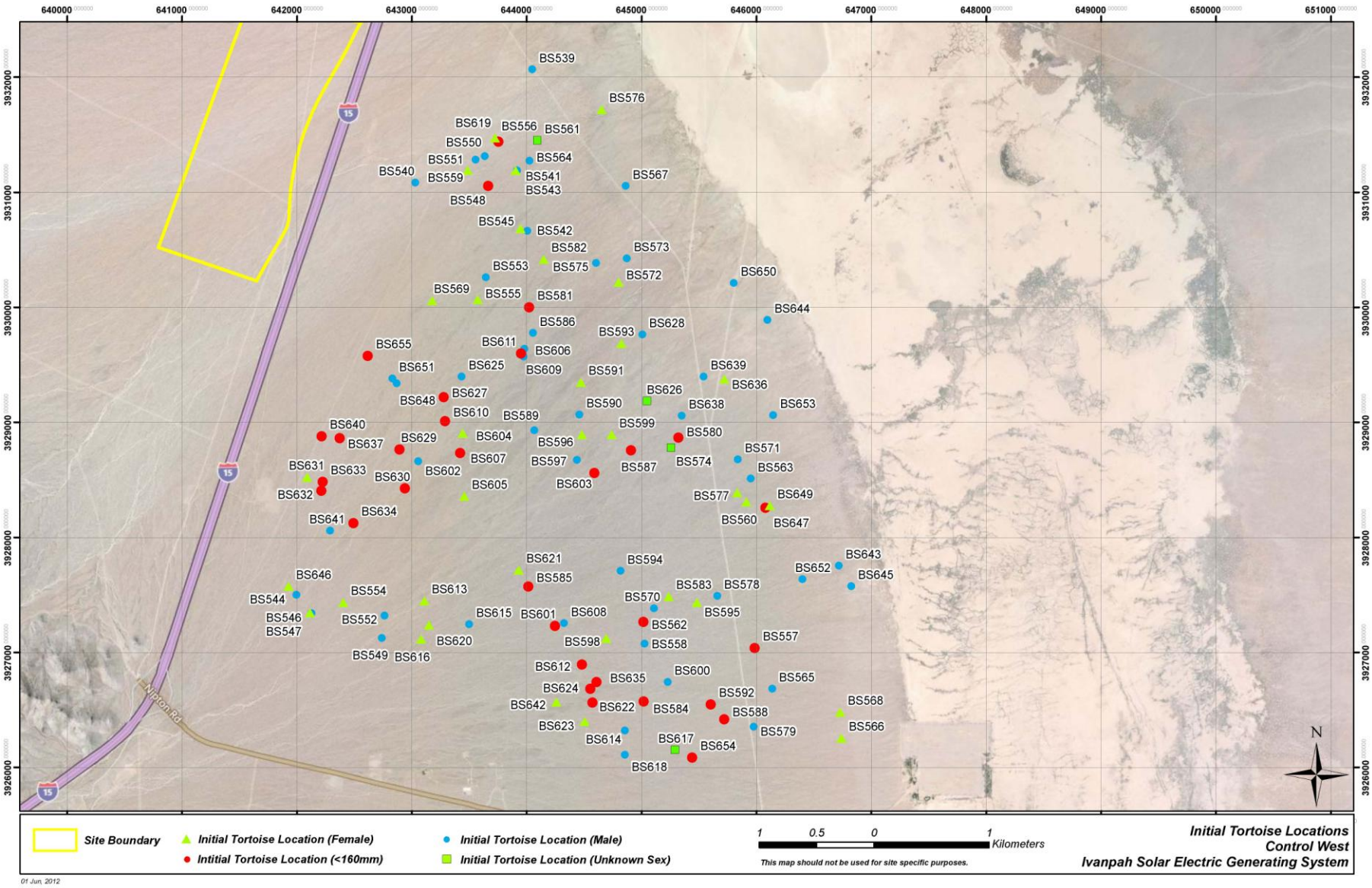


Figure 7. ISEGS Current tortoise locations – Ivanpah 1 and Recipient.

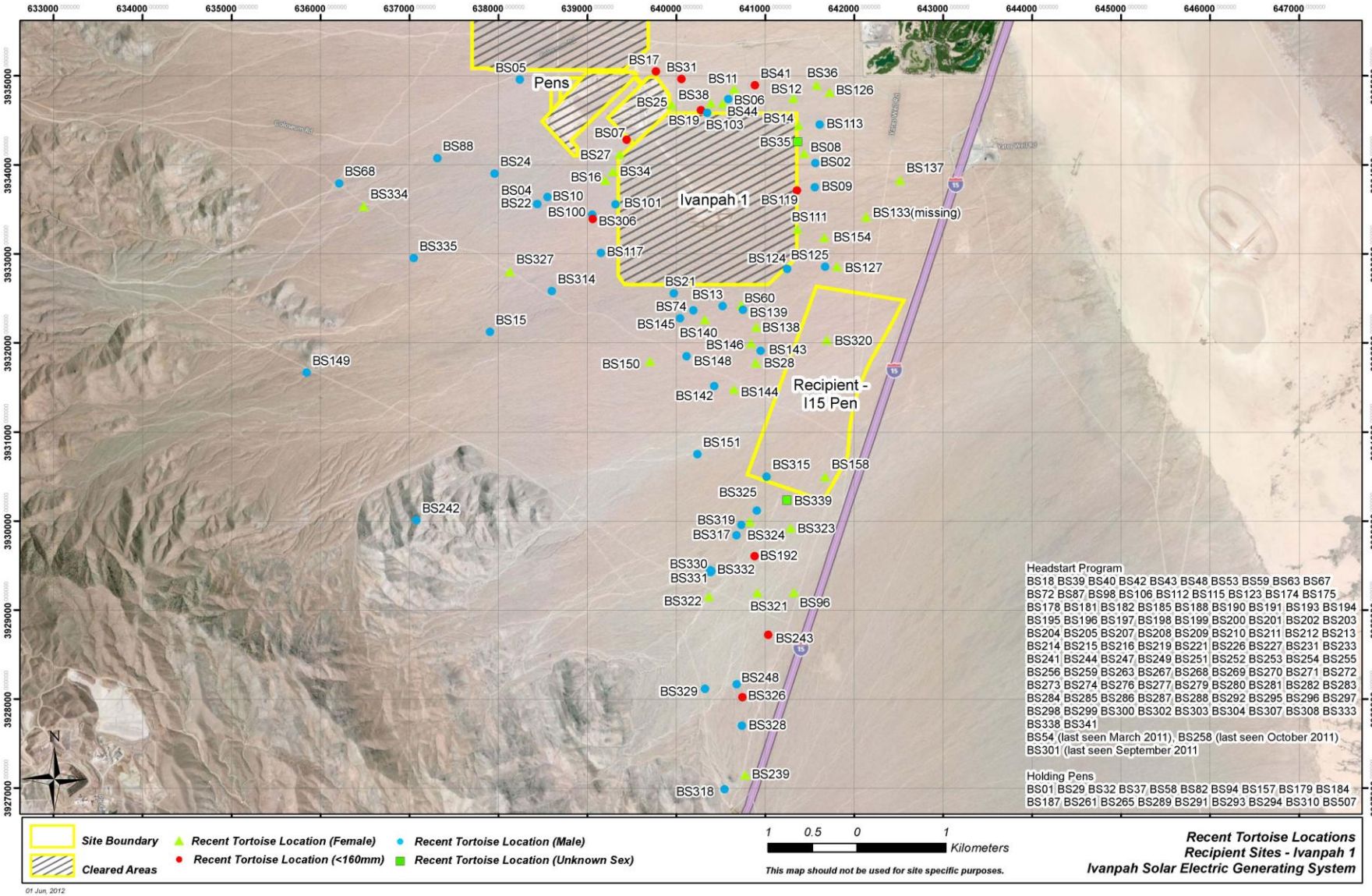


Figure 8. ISEGS Current tortoise locations – Ivanpah 2 and 3 and Recipient.

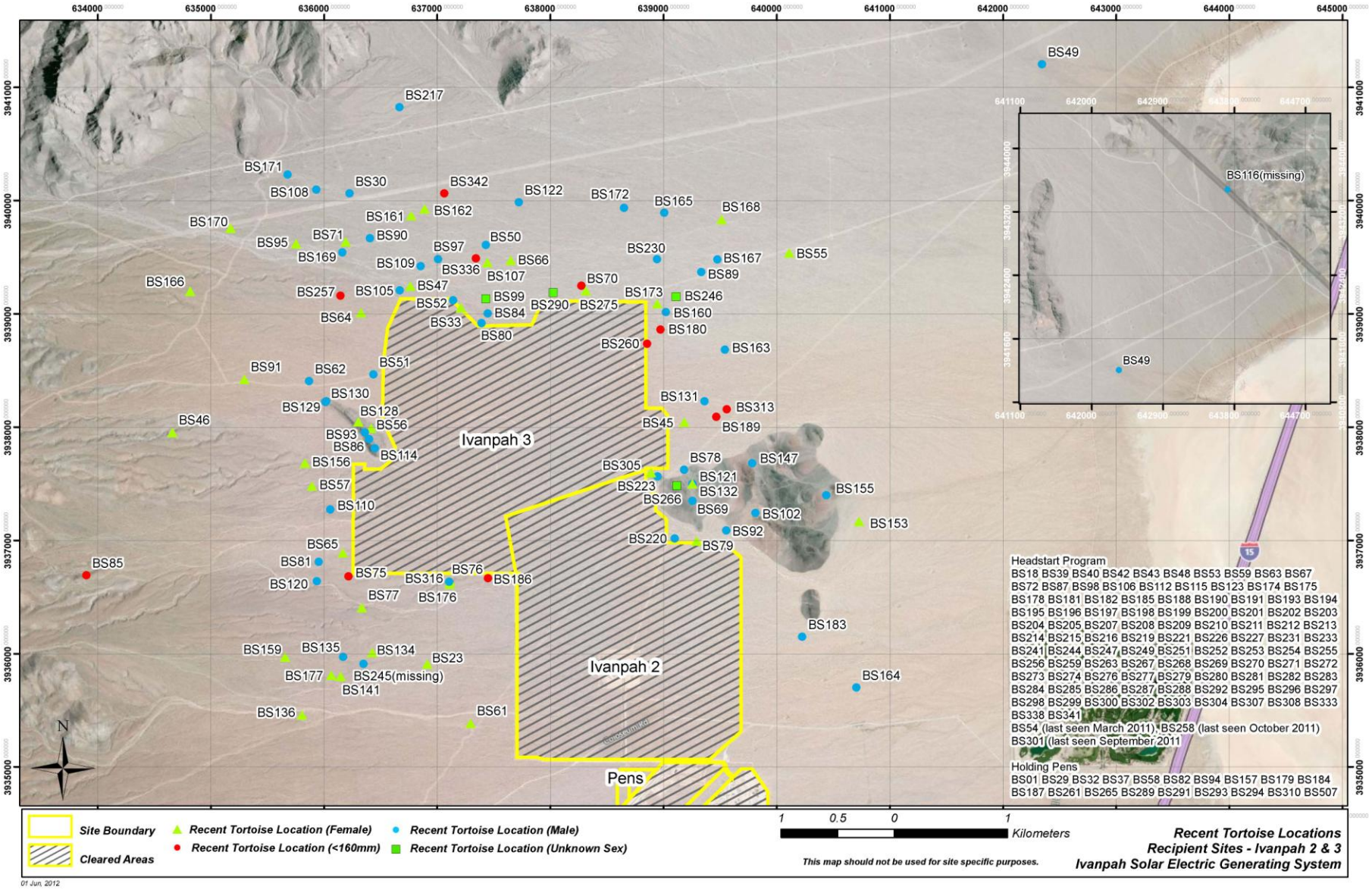


Figure 9. ISEGS Current tortoise locations – East Control Site.

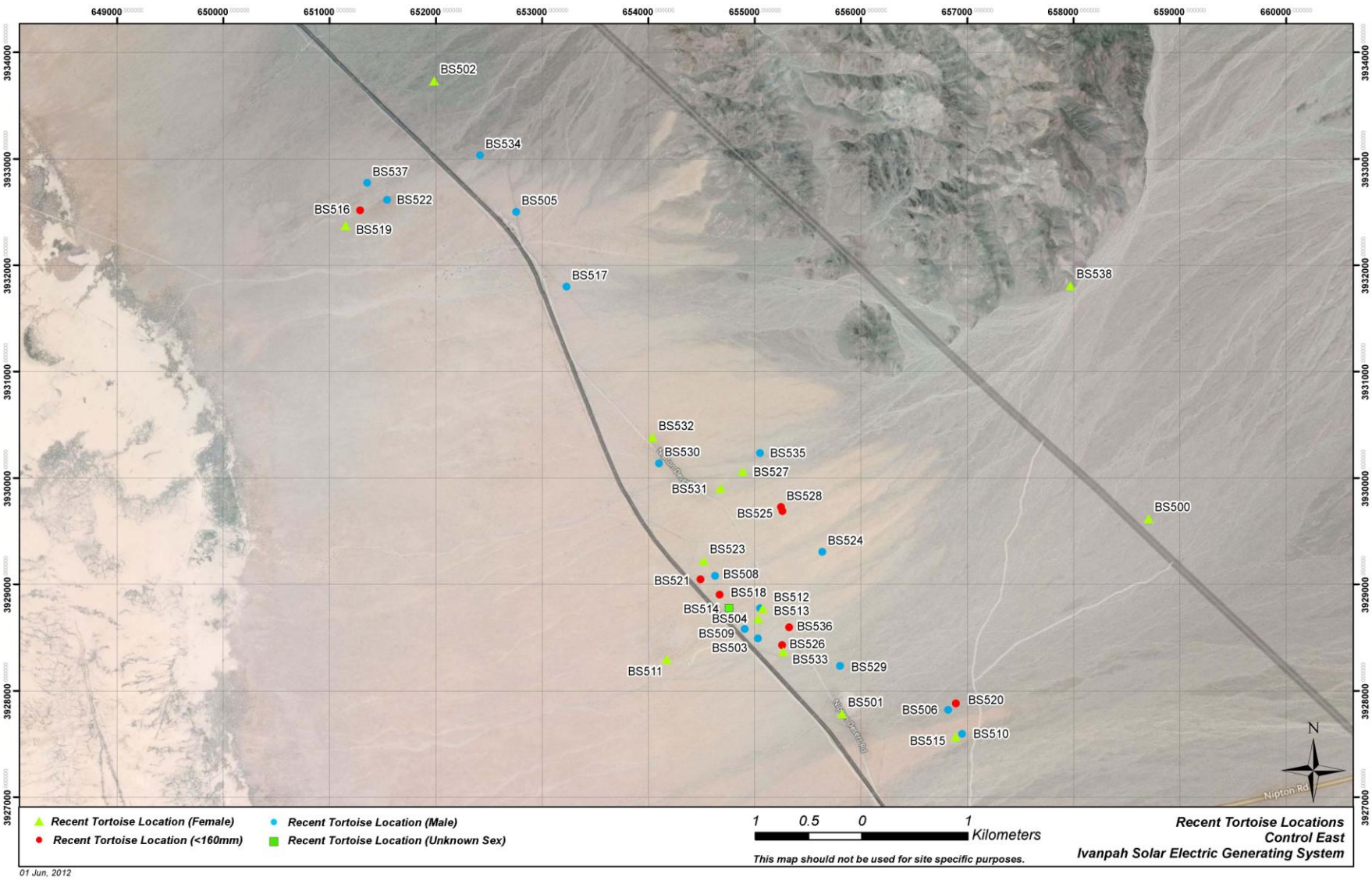


Figure 10. ISEGS Current tortoise locations – West Control Site.

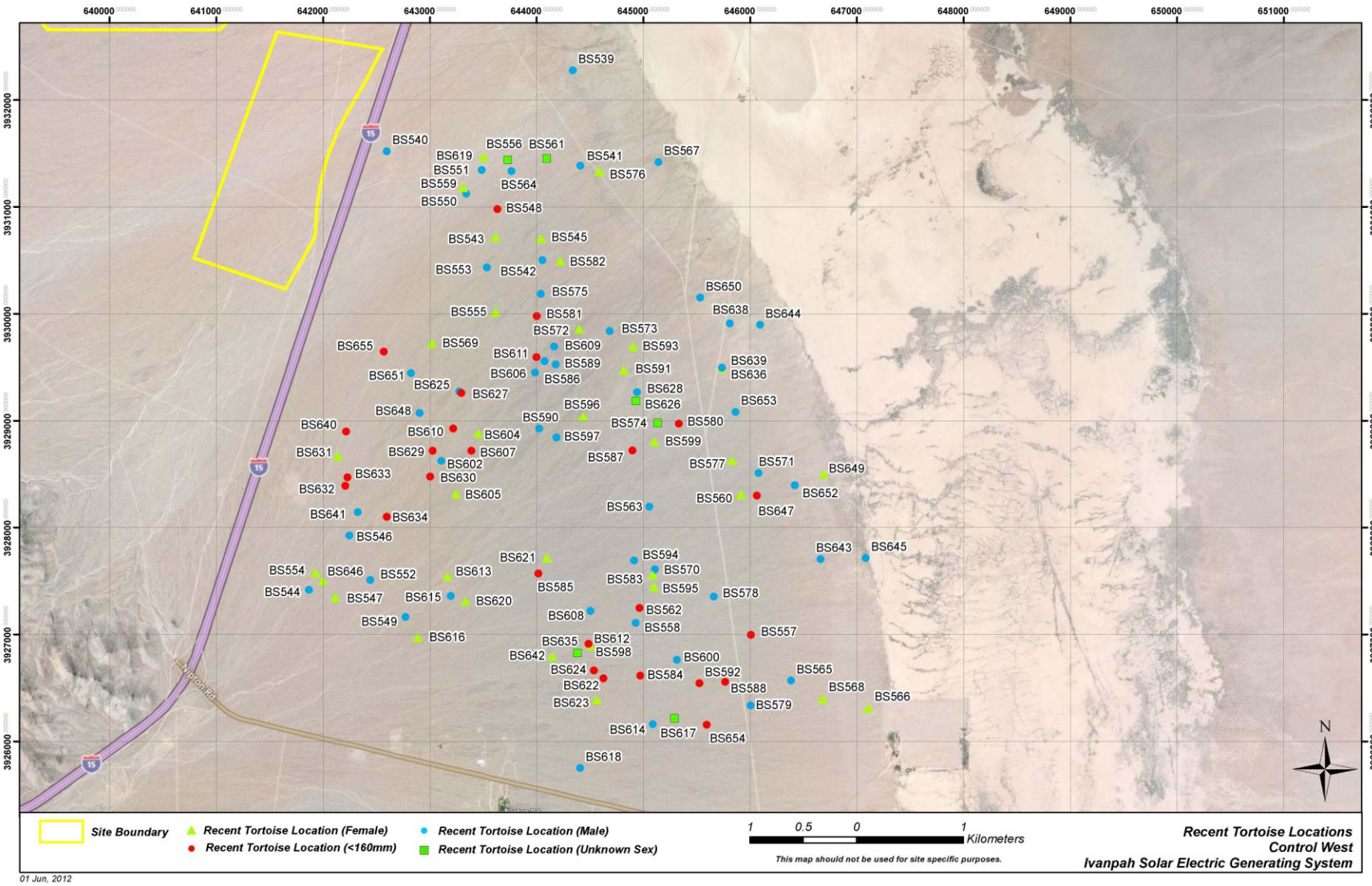


Figure 11. Location of deceased tortoise BS601.

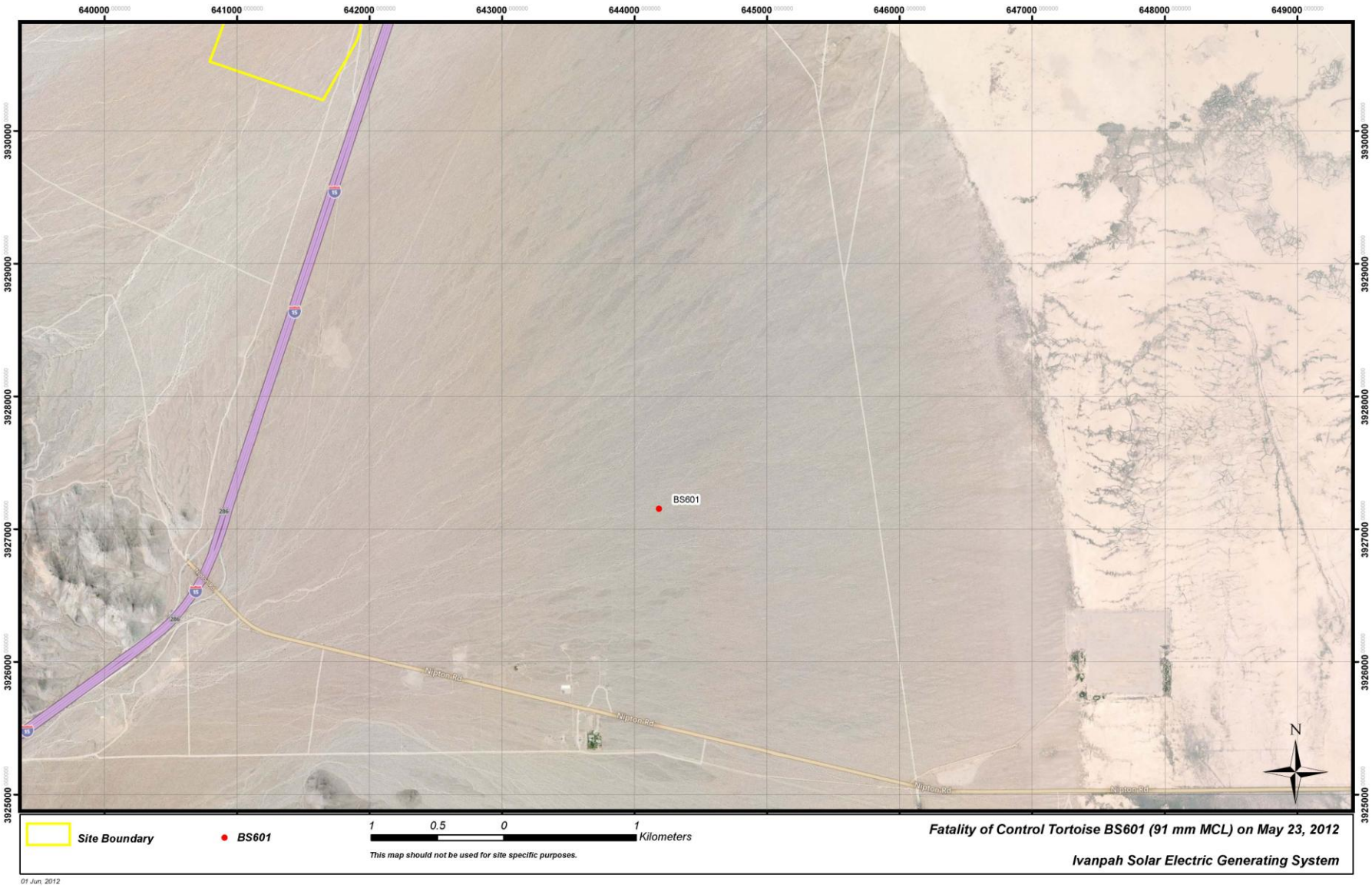


Figure 12. Location of deceased tortoise BS603.

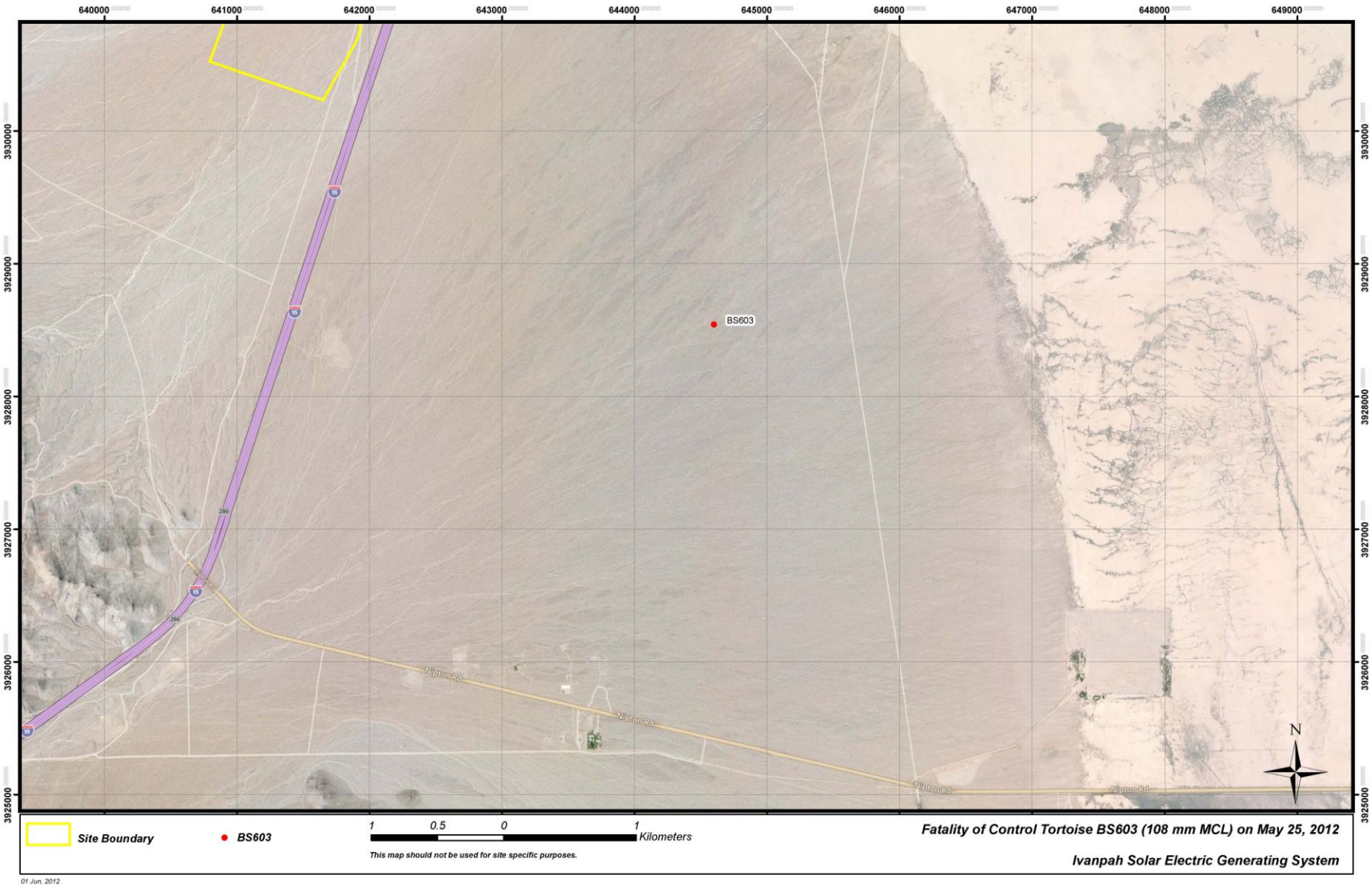


Figure 13. 2012 ISEGS Nesting bird Locations through May 31, 2012.

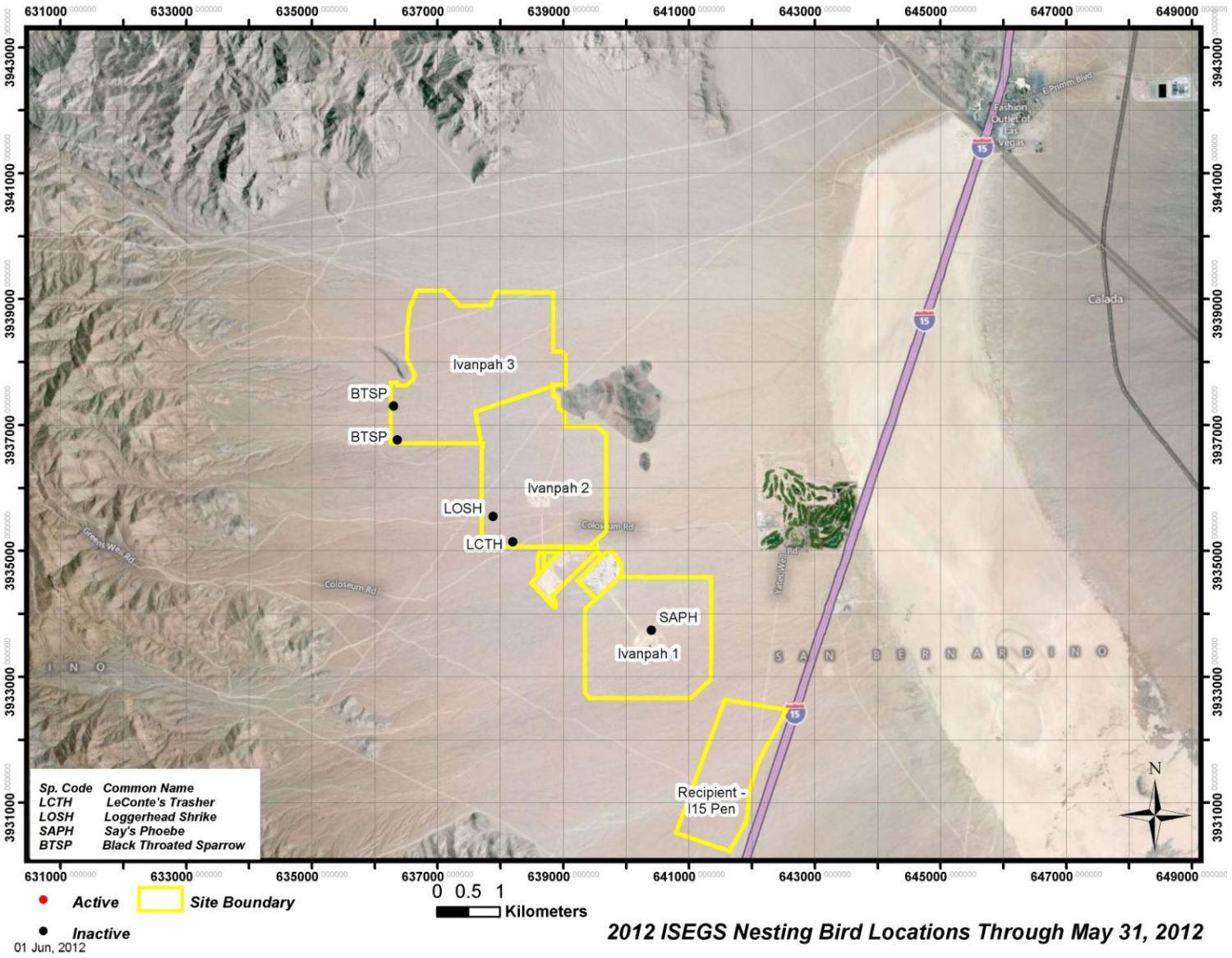
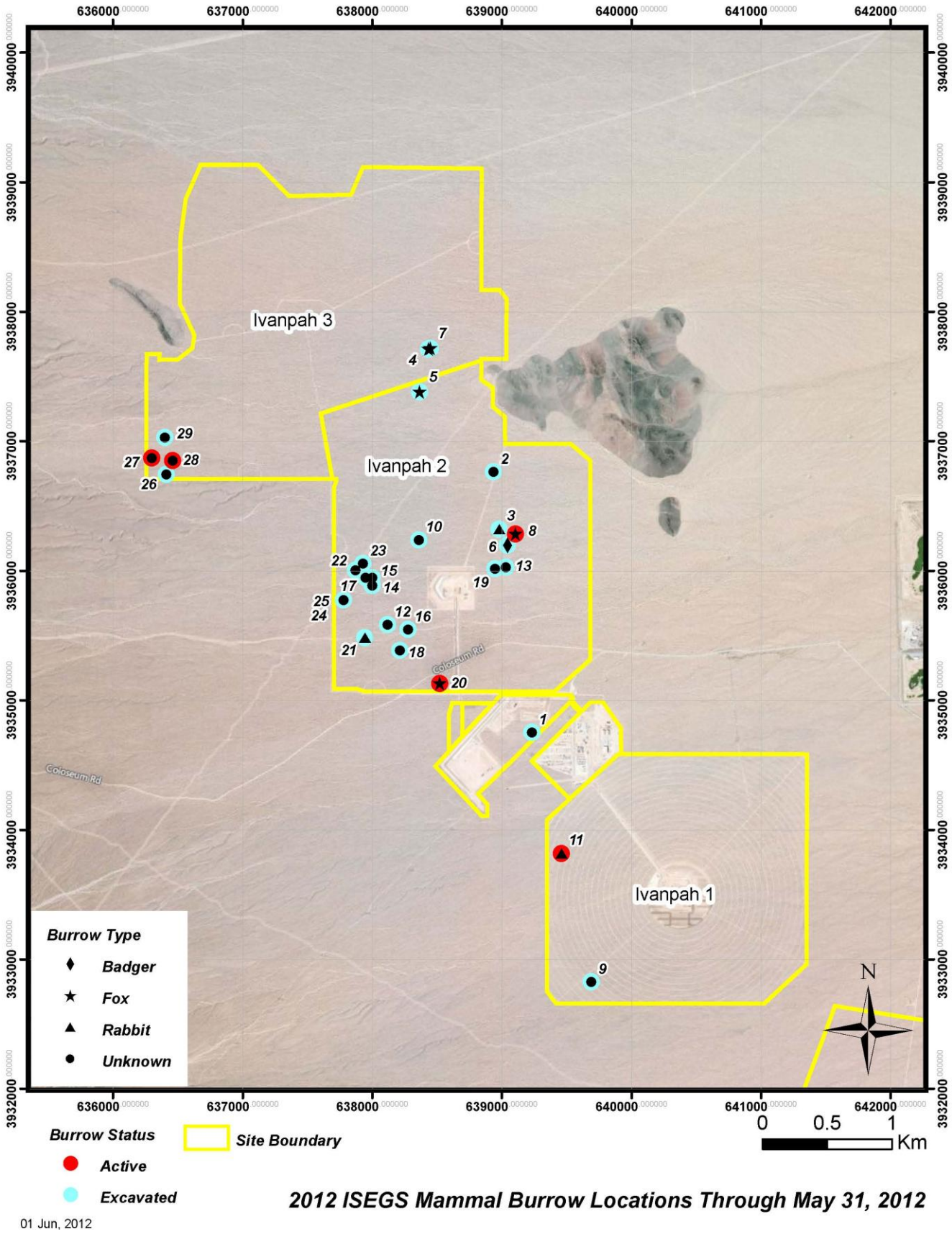


Figure 14. 2012 ISEGS Mammal burrow locations through May 31, 2012.



Condition of Certification BIO-18 Summary – May 2012

Within the month of May, 2012, special-status plants were protected or salvaged as outlined in the Ivanpah SEGS Special-status Plant Protection and Monitoring Plan, Revision 1 (Revised Protection Plan). Special-status plants identified by the biological monitors that were not already designated to be salvaged or fenced (per the Revised Protection Plan) were salvaged and replanted in the common succulent nursery or Rare Plant Transplantation Area (RPTA-2). These plants will be maintained for use in later project phases during revegetation or as propagules in compliance with BIO-18.

Maintenance visits to check the condition of plants and remove any wind-blown trash or debris from the planting areas were conducted within RPTA-1 and RPTA-2 and the common succulent nursery on May 3, 10, 17, and 31, 2012. Plants in the RPTA-1 were watered during all four of these monitoring visits. No rainfall was recorded in May 2012.

The condition of all transplanted individuals in the RPTA-1, RPTA-2, and the common succulent nursery will continue to be assessed. If conditions are dry, plants in the RPTA-1 will be irrigated. In general, the plants in the RPTA-1 will be irrigated in 2012 on a lower-watering schedule and will be watered lightly during the spring and hot summer months. Plants in the common succulent nursery that have been more recently transplanted will be watered occasionally during the spring and more frequently during the summer months.

In May, 2012, several annual monitoring activities were performed. A custom Global Positioning System (GPS) data dictionary was created to collect plant survivorship and vigor data on each special-status plant within the Special-status Plant Protection Area (SSPPA) fences in the solar field.

Plant health assessments for desert pincushion, Parish's club-cholla, and Rusby's desert mallow were performed within the SSPPAs and three onsite mitigation areas (CLA-1, CLA-2, and NRPMA). Due to drought conditions, Mojave milkweed did not emerge in many locations within the SSPPAs or onsite mitigation areas in spring 2012. The health of Mojave milkweed will be assessed in fall, 2012, if adequate summer rains occur. The main objective of the health assessments is to assess plant survivorship and vigor for the annual compliance monitoring program. Results of the plant health assessments and other activities performed in support of BIO-18 in 2012 will be described in an Annual Special-Status Plant Monitoring Report.

Each special-status plant has been assigned a unique plant identification number for monitoring purposes. Special-status plants are marked in the field with aluminum tags and plastic UV-resistant stakes. The majority of the tags and stakes in the SSPPAs, mitigation areas, and 250-foot buffer were replaced in May 2012 as part of annual maintenance and up-keep. Any remaining additional worn tags or stakes will be replaced in Fall 2012, during Mojave milkweed health assessment checks, or in 2013.

BIO-18 requires acquisition of at least 30 acres that either supports a viable population of Mojave milkweed or contains suitable Mojave milkweed habitat that is adjacent to a viable occurrence. More than twenty privately-owned parcels were identified that potentially could support Mojave milkweed in the Ivanpah, Shadow, and Lanfair valleys. Approval to access these parcels has been requested and reconnaissance-level and focused surveys for Mojave milkweed are in progress or planned, pending results of landowner notification.

Native Plant Nursery Activities

Parish's club-cholla propagules located in the native plant nursery were watered on May 3, 10, 17, and 31, 2012. Their general condition was assessed in the nursery and wind-blown trash and debris was removed. Future watering needs will be assessed and plants will be watered if conditions are dry. Special-status seeds collected from 2010 and 2011 will continue to be stored in the refrigerated seed trailer in the native plant nursery. They are currently being stored in glass jars with desiccant packs.

Future botanical activities for the next 90 days include:

- Health assessment of special-status plants in the SSPPA exclusionary fencing in Ivanpah 1, 2 and 3
- Health assessment of special-status plants in the onsite mitigation areas (CLA-1, CLA-2 and NRPMA) and in the RPTA-1
- SSPPA aluminum tag and plastic UV-resistant stake replacement as needed to maintain unique number labeling and species tracking as outlined in the Revised Protection Plan
- Continued reconnaissance-level and focused Mojave milkweed surveys to identify acquisition lands (pending landowner notification)
- Monitoring and maintenance of exclusionary fencing (Special-status Plant Protection Areas [SSPPAs]) including replacement of T-posts, rope, and Sensitive Resource Area signs
- Salvage of special-status plants not included in exclusionary fences in Ivanpah 1, 2, and 3 per the Revised Protection Plan
- Collection of Mojave milkweed seed within the RPTA-1. (Note: seed may not be produced in 2012 due to drought conditions.)
- Continued monitoring and maintenance, including irrigation, of plants in the RPTA-1
- Monitoring and maintenance of desert pincushion placed into the common succulent nursery and RPTA-2 following procedures outlined in the succulent salvage program
- Continued Quality Assurance/Quality Control (QA/QC) of plant data

Monthly Compliance Report for Revegetation, Rehabilitation, and Weed Management Activities, Ivanpah SEGS COC BIO-14, May 2012

TO: Tracie Wheaton/BSE
Doug Davis/BSE

COPIES: CH2M HILL Project Environmental Staff

FROM: Morgan King/LAS

PROJECT NUMBER: 418854

This compliance report combines topics pertaining to revegetation, rehabilitation, and weed management activities at the Ivanpah SEGS project site pursuant to the accepted *Closure, Revegetation and Rehabilitation Plan for Ivanpah SEGS* (the Plan).

Target Noxious Weeds

No target noxious weeds were observed onsite in May or reached a density requiring action. Due to drought-like conditions in spring 2012, very few annual plants have been observed onsite.

Continuing and Planned Activities

The following activities are on-going or planned to assist BSE in complying with its project-specific plans and permit requirements:

- Desert pincushion (*Coryphantha chlorantha*) are being salvaged and transplanted into the Common Succulent Transplant Area

STATUS REPORT

Project Name: Ivanpah Solar Electric Generating System (ISEGS)
Subject: Perimeter Fence Evaluation, May 24, 2012
From: Lori Rose, Biologist for Solar Partners, LLC

This document provides the latest survey results for all perimeter fencing on the ISEGS project site. No rain events were recorded for May. Periodic strong wind gusts during the month caused damage to the silt fence around the 115 kV trench ROW that spans between the Commons East and Commons West security fences.

A major vandalism event discovered on the morning of May 20 resulted in minor fence damage: a vehicle clipped the Northeast corner of the Tie-In perimeter fence, creating holes, and a hole big enough for a person to climb through was cut in the west perimeter fence of Unit 3, a few hundred meters north of the west spoke road. This damage was repaired on May 23.

Overall, the perimeter fence is in very good condition. However, a few situations exist that need attention. Areas that should get *attention soon* are noted as such. Areas of lesser concern, where there is less risk to tortoises, are noted as *less concern*. Both are marked with flagging.

1. The 115kV Silt fence is slowly deteriorating due to sun exposure and wind. The wind picked up on 5/23 causing new damage a day after repairs to the west end were completed. It is disconnecting from the stakes, sagging, ripping and friction holes are getting large enough to be a problem. ***attention soon***

2. There is a split in the tortoise exclusion fence on the east side of Unit 2 approximately 100 feet south of Metamorphic Hill. ***attention soon***

3. There is a split in the tortoise exclusion fence on the west side of the Unit 3 Access Road between the 3rd and 4th poles north of the corner where the access road turns north. ***attention soon***

4. The tortoise guard at the west SCE right-of-way gate in the switch yard is filling with soil and gravel from all the travel across it and needs to be dug out. ***attention soon***

5. West fence of Commons East, 100 yards south of NW corner, tortoise fencing split around T-post creating holes.***attention soon***

6. West fence of Commons East, 50 yards north of SW corner, bottom of tortoise fencing exposed, temporarily patched with rocks.***attention soon***

7. South fence of Commons West, south of switchyard and south of east ROW gate under power lines, gap in PVC temporarily filled with rocks.***attention soon***

8. West fence of Commons West, several areas where fence is pulled off of t-posts and only 10-12 inches of fence is above ground due to wash debris.***less concern***

9. West fence of Commons East, 100 feet south of northwest corner. Split in tortoise

exclusion fence. Has been temporarily repaired by a biologist. Only accessible from backside of security fence. ***less concern***

10. Colosseum Road, north side, 2 x 2 inch holes at ground level in overlapping fence. (2 areas) One approximately 75 yards from bottom tortoise guard, one roughly across from the red well. ***less concern***

11. In Unit 1, east side security fence, one of the poles is significantly bent, but there is not a breech in the tortoise mesh. ***less concern***

*****end of report*****

Exhibit 10

Master CBO Document List
Conditions of Certification
Gen-2 & TSE-1

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
WS-1-2.0		Approval		PLAN	25542-000-G27-GGG-00061	UNIT 1, 2 AND 3 POWER BLOCK CONTRUCTION FACILITIES PROTECTION PLAN	Bechtel			Y													
GEN-4	NA	Approval	PE	Resume	N/A	Bechtel Site Resident Engineer Resume and Registration	Bechtel		8/15/2010 A	Y	#VALUE!			8/15/2010 A		0	0	0	0	0	0	0	0
GEN-5	NA	Approval	Geotech	Resume	N/A	Bechtel Responsible Engineering Geologist Resume and Registration	Bechtel		5/18/2010 A	Y	0			5/18/2010 A		0	0	0	0	0	0	0	0
GEN-5	NA	Approval	Geotech	Resume	N/A	Bechtel Responsible Soils/Civil Engineer Resume and Registration	Bechtel		5/18/2010 A	Y	0			5/18/2010 A		0	0	0	0	0	0	0	0
GEN-5	NA	Approval	Civil	Resume	N/A	Bechtel Responsible Design Engineer (for plant structures) Resume and Registration	Bechtel		5/18/2010 A	Y	0			5/18/2010 A		0	0	0	0	0	0	0	0
GEN-5	NA	Approval	Electrical	Resume	N/A	Bechtel Responsible Electrical Engineer Resume and Registration	Bechtel		5/18/2010 A	Y	0			5/18/2010 A		0	0	0	0	0	0	0	0
GEN-5	NA	Approval	Mechanical	Resume	N/A	Bechtel Responsible Mechanical Engineer Resume and Registration	Bechtel		5/18/2010 A	Y	0			5/18/2010 A		0	0	0	0	0	0	0	0
GEN-5	NA	Approval	Plant Design	Resume		Bechtel Responsible Piping / Support Engineer Resume and Registration	Bechtel		Dec-10	Y	0			Dec-10		0	0	0	0	0	0	1	0
FAB-1		Reference	Civil	Application	25542-000-V1A-DG01-00103	CERTIFICATE OF COMPLIANCE - HRC	Vendor			Y													
FAB-1		Approval	Civil	Application	25542-000-V1A-DG01-00104	APLICATION FOR APPROVED FABRICATOR STATUS	Vendor			Y													
FAB-1		Reference	Civil	Application	25542-000-V1A-DG01-00119	HRC RESULTS	Vendor			Y													
FAB-1		Approval	Mechanical	Application	25542-000-V1A-MBFD-00219	APPLICATION FOR APPROVED FABRICATOR STATUS	Vendor			Y													
FAB-1		Approval	Mechanical	Application	25542-000-V1A-MBFD-00220	QUALITY SYSTEM MANUAL - BARR FABRICATION - UNCONTROLLED	Vendor			Y													
FAB-1		Approval	Mechanical	Application	25542-000-V1A-MBFD-00221	BARR FABRICATION EXAMINATION OF WELDS REPORT	Vendor			Y													
FAB-1		Approval	Mechanical	Application	25542-000-V1A-MEAA-00242	APPLICATION FOR APPROVED FABRICATOR STATUS	Vendor			Y													
FAB-1		Approval	Mechanical	Application	25542-000-V1A-MEAA-00428	APPLICATION FOR APPROVED FABRICATOR STATUS	Vendor			Y													
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MEAA-00429	USSL FABRICATION PROCEDURE - 8973USSL008	Vendor			Y													
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MEAA-00430	USSL HOT DIP GALVANIZING PROCEDURE	Vendor			Y													
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MEAA-00431	NDT INSPECTOR CERTIFICATE OF WU WEICHENGE, YANG LE AND LIN QINGJIA	Vendor			Y													
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MEAA-00432	USSL NDT PROCEDURE	Vendor			Y													
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MEAA-00433	USSL PAINTING PROCEDURE	Vendor			Y													
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MEAA-00434	USSL RESPONSIBLE PEOPLE LIST, TITLE AND RESPONSIBILITY	Vendor			Y													
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MEAA-00435	USSL MAIN EQUIPMENT LIST	Vendor			Y													
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MEAA-00436	USSL QUALITY MANAGEMENT MANUAL, PROCEDURES MANUAL, OPERATIONS MANUAL	Vendor			Y													
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MEAA-00437	USSL PROJECTS LIST (EXPERIENCE)	Vendor			Y													
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MEAA-00438	USSL VISUAL EXAMINATION PROCEDURE	Vendor			Y													
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MEAA-00439	USSL LIST OF CERTIFIED WELDERS,	Vendor			Y													
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MEAA-00440	USSL VISUAL INSPECTORS	Vendor			Y													
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MEAA-00441	USSL WELDING PROCEDURE SPECIFICATIONS	Vendor			Y													
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MEAA-00473	USSL WELDING PROCEDURE SPECIFICATION	Vendor			Y													
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MEAA-00474	USSL WELDING PROCEDURE SPECIFICATION	Vendor			Y													
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MEAA-00475	USSL WELDING PROCEDURE SPECIFICATION	Vendor			Y													
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MEAA-00476	USSL WELDING PROCEDURE SPECIFICATION	Vendor			Y													
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MEAA-00477	USSL WELDING PROCEDURE SPECIFICATION	Vendor			Y													
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MEAA-00478	USSL WELDING PROCEDURE SPECIFICATION	Vendor			Y													
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MEAA-00481	USSL WELDING PROCEDURE SPECIFICATION	Vendor			Y													
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MEAA-00482	USSL WELDING PROCEDURE SPECIFICATION	Vendor			Y													
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MEAA-00483	USSL WELDING PROCEDURE SPECIFICATION	Vendor			Y													
FAB-1		Approval	Mechanical	Application	25542-000-V1A-SS01-00841	Hershberger Bros. Application for Approved Fabricators Status - Cover Letter	Vendor			Y													
FAB-1		Approval	Mechanical	Application	25542-000-V1A-SS01-00843	Hershberger Bros. - Quality Control Program - QAQC Manual	Vendor			Y													
FAB-1		Approval	Mechanical	Application	25542-000-V1A-SS01-00859	American Institute of Steel Construction - Standard for Steel Building Structures - Hershberger Bros Welding Inc. Certification	Vendor			Y													
FAB-1		Approval	Mechanical	Application	25542-000-V1A-SS01-00861	Fabricator Certificate of Approval - Hershberger Bros. Welding Inc. - USS/HSS/Rebar/Sht. Stl./Aluminum/Stainless Steel	Vendor			Y													
FAB-1		Approval	Mechanical	Application	25542-000-V1A-SS01-00862	Renewal Confirmation: Clark County Approved Fabricator - Hershberger Bros. Welding, Inc	Vendor			Y													
FAB-1		Approval	Mechanical	Application	25542-000-V1A-SS01-00875	American Welding Society - Phillip Jensen - Certification - QC Manager Qualifications	Vendor			Y													
FAB-1		Approval	Civil	Application	25542-000-V1D-SS01-00006	APPLICATION FOR APPROVED FABRICATOR - QUALITY CONTROL MANUAL	Vendor			Y													
FAB-1		Approval	Civil	Application	25542-000-V1D-SS01-00002	APPLICATION FOR APPROVED FABRICATOR STATUS	Vendor			Y													
FAB-1		Reference	Civil	Application	25542-000-V1C-SS01-00029	APPLICATION FOR APPROVED FABRICATOR - QUALITY CONTROL PROGRAM	Vendor			Y													
FAB-1		Approval	Civil	Application	25542-000-V1C-SS01-00030	APPLICATION FOR APPROVED FABRICATOR STATUS	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-ACE0-00010	ELEVATOR GENERAL ARRANGEMENT	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-ACE0-00043	ELEVATOR STATIC CALCULATION	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-AK00-00134	STRUCTURAL GENERAL NOTES	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-AK00-00135	STRUCTURAL SPECIAL INSPECTION NOTES AND TABLES	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-AK00-00136	STRUCTURAL SPECIAL INSPECTION NOTES AND TABLES	Vendor			Y													
STRUC-1	6/15/2012	Approval	Civil	Document	25542-000-V1A-AK00-00137	STRUC OVERALL ARRANGEMENT PLAN HELIOSTAT ASSEMBLY FACILITY	Vendor			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
STRUC-1		Approval	Civil	Document	25542-000-V1A-AK00-00138	STRUC EQUIPMENT ARRANGEMENT PLAN HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-AK00-00139	STRUC EQUIPMENT ARRANGEMENT PAD BONDING BUILDINGS	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-AK00-00140	STRUC HR OFFLOAD STATION PARTIAL PLAN	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-AK00-00141	STRUC CABLE TRAY/PIPING SUPPORT PLAN	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-AK00-00142	STRUC CABLE TRAY/PIPING SUPPORT PLAN	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-AK00-00143	STRUC MISC LAYOUT PLANS HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-AK00-00144	STRUC MISC LAYOUT PLANS HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-AK00-00145	STRUC POST-INSTALLED ANCHOR DETAILS	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-AK00-00146	STRUC METAL STUD WALL SECTION AND ELEVATIONS	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-AK00-00147	STRUC METAL STUD WALL SECTION AND ELEVATIONS	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-AK00-00148	STRUC SECTION AND DETAILS	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-AK00-00149	STRUC SECTION AND DETAILS	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-AK00-00150	STRUC CANOPY SUPPORT PLAN	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-AK00-00161	CALC - HELIOSTAT ASSEMBLY BUILDING - MISC EQUIPMENT ANCHORAGE AND SUPPORT FRAME DESIGNS	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-AK00-00352	STRUC EQUIPMENT ANCHORAGE SECTIONS AND DETAILS	Vendor			Y													
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STRUC-1		Approval	Civil	Document	25542-000-V1A-AK00-00355	STRUC EQUIPMENT ANCHORAGE SECTIONS AND DETAILS	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00001	ADMIN BUILDING - STRUCTURAL DETAILS	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00002	ADMIN BUILDING - STRUCTURAL DETAILS	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00003	ADMIN BUILDING - COLD FORM DETAILS	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00004	ADMIN BUILDING - SHEETING DETAILS	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00005	ADMIN BUILDING - SHEETING DETAILS	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00006	ADMIN BUILDING - COVER SHEET	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00007	ADMIN BUILDING - SPECIAL INSPECTION	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00008	ADMIN BUILDING - ANCHOR ROD PLAN	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00009	ADMIN BUILDING - ANCHOR ROD DETAILS	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00010	ADMIN BUILDING - ROOF FRAMING PLAN	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00011	ADMIN BUILDING - CANOPY PLANS	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00012	ADMIN BUILDING - ROOF SHEETING PLAN	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00013	ADMIN BUILDING - CRANE FRAMING PLAN	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00014	ADMIN BUILDING - WALL ELEVATIONS	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00015	ADMIN BUILDING - WALL ELEVATIONS	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00016	ADMIN BUILDING - WALL SHEETING PLAN	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00017	ADMIN BUILDING - WALL SHEETING PLAN	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00018	ADMIN BUILDING - WALL SHEETING PLAN	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00019	ADMIN BUILDING - BUILDING CROSS SECTION	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00020	STRUCTURAL CALCULATIONS - GEM	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00025	FACILITY ADMIN BUILDING - STRUCTURAL GENERAL NOTES	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00026	FACILITY ADMIN BUILDING - STRUCTURAL GENERAL NOTES	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00027	FACILITY ADMIN BUILDING - STRUCTURAL GENERAL NOTES AND ABBREV	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00028	FACILITY ADMIN BUILDING - TYPICAL CONCRETE DETAILS	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00029	FACILITY ADMIN BUILDING - TYPICAL CONCRETE DETAILS	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00030	FACILITY ADMIN BUILDING - TYPICAL MASONRY DETAILS	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00031	FACILITY ADMIN BUILDING - TYPICAL LIGHT GAGE METAL SHEET DETAILS	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00032	FACILITY ADMIN BUILDING - TYPICAL LIGHT GAGE METAL SHEET DETAILS	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00033	FACILITY ADMIN BUILDING - FOUNDATION PLAN	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00034	FACILITY ADMIN BUILDING - MEZZANINE FRAMING PLAN	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00035	FACILITY ADMIN BUILDING - REFLECTED CEILING PLAN	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00036	FACILITY ADMIN BUILDING - FOUNDATION DETAILS	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00037	FACILITY ADMIN BUILDING - FOUNDATION DETAILS	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-AKBS-00038	FACILITY ADMIN BUILDING - ROOF/CEILING CONNECTION DETAILS S7.1	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-AKBS-00039	FACILITY ADMIN BUILDING - ROOF/CEILING CONNECTION DETAILS S7.2	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00040	FACILITY ADMIN BUILDING - METAL DECK DETAILS	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00062	FACILITY ADMIN BUILDING	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00063	FACILITY ADMIN BUILDING	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00064	FACILITY ADMIN BUILDING	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00065	FACILITY ADMIN BUILDING	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00066	FACILITY ADMIN BUILDING	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00067	FACILITY ADMIN BUILDING	Vendor			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00068	FACILITY ADMIN BUILDING	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00069	FACILITY ADMIN BUILDING	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00070	FACILITY ADMIN BUILDING	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00071	FACILITY ADMIN BUILDING	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00072	FACILITY ADMIN BUILDING	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00073	FACILITY ADMIN BUILDING	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00074	FACILITY ADMIN BUILDING	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00075	FACILITY ADMIN BUILDING	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00076	FACILITY ADMIN BUILDING	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00077	FACILITY ADMIN BUILDING	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00078	FACILITY ADMIN BUILDING	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00079	FACILITY ADMIN BUILDING	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00097	ADMIN BUILDING - CANOPY SHEETING PLANS	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00117	FACILITY ADMIN BUILDING - FOUNDATION DETAILS	Vendor			Y													
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00118	FACILITY ADMIN BUILDING - STRUCUTRAL CALCULATIONS	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-AKBS-00424	FACILITY ADMINISTRATION BUILDING - SUPPLEMENTAL STRUCTURAL CALCULATIONS - HVAC PADS	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-AKBS-00452	FACILITY ADMINISTRATION BUILDING - SUPPLEMENTAL STRUCTURAL CALCULATIONS - STAIRS AT MEZZANINE FLOOR	Vendor			N													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-EBB3-00036	STRUCTURAL CALCS - BUS DUCT SUPPORTS	Vendor			Y													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-EBB3-00037	15KV, 6600A, 125KV BIL IPB STRUCTURAL PLAN-UNITS 1-3	Vendor			N													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-EBB3-00038	15KV, 6600A, 125KV BIL IPB STRUCTURAL SECTIONS	Vendor			Y													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-EBB3-00039	15KV, 6600A, 125KV BIL IPB STRUCTURAL SECTIONS	Vendor			Y													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-EBB3-00040	15KV, 6600A, 125KV BIL IPB STRUCTURAL SECTIONS	Vendor			Y													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-EBB3-00041	15KV, 6600A, 125KV BIL IPB STRUCTURAL DETAILS	Vendor			Y													
STRUC-1		Reference	Electrical	Document	25542-000-V1A-EKL3-00086	EEM PRODUCTION TEST PROCEDURE FOR FINAL INSPECTION	Vendor			Y													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-EKL3-00095	STRUCTURAL CALCULATIONS	Vendor			N													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-EKL3-00096	DESIGN CRITERIA	Vendor			N													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-EKL3-00097	FRAME ASSEMBLY	Vendor			N													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-EKL3-00098	EQUIPMENT CENTER - FRAME ASSEMBLY	Vendor			N													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-EKL3-00099	ROOF ASSEMBLY	Vendor			N													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-EKL3-00100	ROOF BOM AND CABLE TRAY DETAIL	Vendor			N													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-EKL3-00101	ROOF ENGINEERING DETAILS	Vendor			N													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-EKL3-00102	WALL ASSEMBLIES	Vendor			N													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-EKL3-00103	WALL ASSEMBLIES	Vendor			N													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-EKL3-00104	WALL COMPONENTS	Vendor			N													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-EKL3-00105	WALL ENGINEERING DETAILS	Vendor			N													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-EKL3-00106	BASE SKID ASSEMBLY	Vendor			N													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-EKL3-00107	BASE SKID TOP PLATE	Vendor			N													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-EKL3-00108	BASE SKID MOUNTING	Vendor			N													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-EKL3-00109	BASE SKID ENGINEERING DETAILS	Vendor			N													
STRUC-1		Reference	Electrical	Document	25542-000-V1A-EKL3-00120	WELD PROCEDURE SPECIFICATION	Vendor			Y													
STRUC-1		Reference	Electrical	Document	25542-000-V1A-EKL3-00123	QUALITY ASSURANCE MANUAL - POLICY STATEMENT - AUTHORITY FOR EXECUTION	Vendor			Y													
STRUC-1		Reference	Electrical	Document	25542-000-V1A-EKL3-00124	QUALITY MANUAL - WIP	Vendor			Y													
STRUC-1		Reference	Electrical	Document	25542-000-V1A-EKL3-00125	QUALITY ASSURANCE MANUAL - QUALITY SYSTEM ORGANIZATION PURPOSE AND RESPONSIBILITY	Vendor			Y													
STRUC-1		Approval	Electrical	Document	25542-000-V1B-EKL3-00303	STRUCTURAL CALCULATION	Vendor			N													
STRUC-1		Approval	Electrical	Document	25542-000-V1B-EKL3-00310	STRUCTURAL CALCULATION	Vendor			N													
STRUC-1		Approval	Electrical	Document	25542-000-V1B-EKL3-00313	STRUCTURAL CALCULATION	Vendor			N													
STRUC-1		Approval	Electrical	Document	25542-000-V1B-EKL3-00314	STRUCTURAL DRAWINGS	Vendor			N													
STRUC-1		Approval	Electrical	Document	25542-000-V1B-EKL3-00316	STRUCTURAL DRAWINGS	Vendor			N													
STRUC-1		Approval	Electrical	Document	25542-000-V1B-EKL3-00323	STRUCTURAL DRAWINGS	Vendor			N													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-EU00-00258	IVANPAH SOLAR UPS SYSTEM BATTERY RACK SEISMIC VERIFICATION	Vendor			Y													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-EU00-00259	IVANPAH SOLAR BATTERY RACK SEISMIC VERIFICATION	Vendor			Y													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-MBFD-00012	STACK GENERAL ARRANGEMENT AND ELEVATIONS - SHEET 1	Vendor			Y													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-MBFD-00013	STACK SECTION 1 ELEVATION, SECTIONS AND DETAILS - SHEET 2	Vendor			Y													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-MBFD-00058	STACK SECTION 2 AND 3 ELEVATION, SECTIONS AND DETAILS - SHEET 3	Vendor			Y													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-MBFD-00059	PLATFORM LAYOUTS DECTIONS AND DETAILS - SHEET 4	Vendor			Y													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-MBFD-00060	LADDER ELEVATIONS SECTIONS AND DETAILS - SHEET 5	Vendor			Y													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-MBFD-00061	TUNED MASS DAMPER PLAN SECTIONS AND DETAILS - SHEET 6	Vendor			Y													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-MBFD-00062	PERSONNEL PROTECTION SECTION AND DETAILS - SHEET 7	Vendor			Y													
STRUC-1		Approval	Electrical	Document	25542-000-V1A-MBFD-00163	DESIGN CALCULATIONS - IES	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MBHS-00002	AUXILIARY STEAM SUPERHEATER	Vendor			Y													
STRUC-1	6/15/2012	Approval	Mechanical	Document	25542-000-V1A-MBHS-00027	FOUNDATION LOAD CALCULATION FOR STEAM SUPERHEATER	Vendor			Y													

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-00209	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT UPPER	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-00210	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT UPPER	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-00211	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT UPPER	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-00212	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT LOWER	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-00213	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT LOWER	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-00214	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT LOWER	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-00215	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT LOWER	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-00708	SUPPORT LOAD REPORT FOR RPI CONTRACT	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-00747	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT UPPER	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-00748	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT UPPER	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-00749	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT UPPER	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-00750	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT UPPER	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-00751	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT LOWER	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-00752	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT LOWER DETAILS PANEL	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-00753	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT LOWER DETAILS PANEL	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-00754	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT LOWER DETAILS PANEL	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-00755	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT LOWER DETAILS PANEL	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-01907	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT UPPER DETAILS	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-01908	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT UPPER DETAILS	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-01909	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT LOWER DETAILS	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-01910	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT SHIPPING COMPONENT	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-03105	SOLAR RECEIVER SUPPORT VALIDATION CALCULATIONS	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-03139	SOUTHWEST METEO BOARD QUALIFICATION TESTING FINAL REPORT	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-03186	APPLICATION OF ALTERNATE MATERIALS OR METHODS OF CONSTRUCTION	Vendor	CHANGED TO 25542-000-V1A-		Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-00012	APPLICATION OF ALTERNATE MATERIALS OR METHODS OF CONSTRUCTION	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00001	AIR COOLED CONDENSER	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00002	AIR COOLED CONDENSER	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00003	AIR COOLED CONDENSER	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00006	AIR COOLED CONDENSER	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00181	ACC - ERECTION QUALITY CONTROL PLAN	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00249	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00254	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00278	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00279	AIR COOLED CONDENSER	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00297	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00298	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00299	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00300	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00301	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00302	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00303	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00304	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00305	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00306	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00307	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00308	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00309	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00310	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00311	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00312	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00313	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00314	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00315	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00316	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00317	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00318	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													

Ivanpah Solar Electric Generating Facility
Master Document List
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Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00319	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00320	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00321	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00322	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00323	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00324	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00325	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00326	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00327	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00328	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00329	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00330	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00331	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00332	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00333	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00334	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00335	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00336	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00337	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00338	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00339	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00340	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00341	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00342	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00343	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00344	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00345	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00346	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00347	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00348	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00349	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00350	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00351	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00352	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00353	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00354	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00355	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00356	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00357	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00358	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00359	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00360	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00361	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00362	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00363	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00364	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00365	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00366	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00367	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00368	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00369	AIR COOLED CONDENSER - CALCULATION NOTE	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00370	AIR COOLED CONDENSER - CALCULATION NOTE	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00377	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00378	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00379	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00380	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00385	AIR COOLED CONDENSER TOP PLATFORM CALC NOTE	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-00752	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT LOWER	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-00753	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT LOWER	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-00754	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT LOWER	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-00755	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT LOWER	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-01907	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT UPPER	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-01908	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT UPPER	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-01909	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT LOWER	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MBST-01910	BRIGHTSOURCE CONSTRUCTION MGT - PROTECTION PANEL ARRANGEMENT SHIPPING COMPONENT	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-00-V1A-MBST-03139	SOUTHWEST METEO BOARD QUALIFICATION TESTING FINAL REPORT	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MEAA-00389	APPLICATION FOR ALTERNATE MATERIALS OR METHODS OF CONSTRUCTIO - CARBON STEEL USED FOR STEEL STRUCTURE AND DUCTING	Vendor			Y													
STRUC-1	6/15/2012	Approval	Civil	Document	25542-000-V1A-MPGB-00016	GENERAL ARRANGEMENT - MOTOR DRIVEN BOILER FEED PUMP SET	Vendor			N													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
STRUC-1		Approval	Civil	Document	25542-000-V1A-MPGF-00138	PE CALCULATIONS, STRUCTURAL	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MSXF-00002	FUEL GAS SEPARATOR SKID - SHEET 1	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MSXF-00033	FOUNDATION LOAD CALCULATION FOR FUEL GAS SEPARATOR	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MT00-00001	DESIGN CALCULATIONS FOR AWWA D103 WATER STORAGE TANK - DEMINERALIZED WATER	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MT00-00002	DESIGN CALCULATIONS FOR AWWA D103 WATER STORAGE TANK - FIRE/RAW COMMON	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MT00-00003	DESIGN CALCULATIONS FOR AWWA D103 WATER STORAGE TANK - FIRE/RAW	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MT00-00004	DESIGN CALCULATIONS FOR AWWA D103 WATER STORAGE TANK - MIRROR WASH	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MT00-00005	DEMINERALIZED WATER STORAGE TANK 001/002/003-WD-MT-001	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MT00-00006	UNIT FIRE-RAW WATER STORAGE TANK 001/002/003-WY-MT-00001	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MT00-00007	MIRROR WASH WATER STORAGE TANK 001/002/003-WY-MT-001	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MT00-00008	COMMON AREA FIRE-RAW WATER STORAGE TANK 009-WR-MT-0001	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MT00-00009	STANDARD CONSTRUCTION DETAILS, DECK STRUCTURE - BOLTED STEEL STORAGE TANKS	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MT00-00022	SPECIAL INSPECTIONS LETTER CA PE	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00005	STG FOUNDATION LOADS AND DESIGN REQUIREMENTS	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00140	FOUNDATION ANCHOR HP25 INLET	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00141	FOUNDATION ANCHOR HP25 OUTLET	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00142	FOUNDATION ANCHOR M64	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00143	FOUNDATION ANCHOR M56	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00144	FOUNDATION ANCHOR M48	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00145	FOUNDATION ANCHOR M42	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00146	EMBEDDED PLATE	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00147	FOUNDATION DETAILS SIEMENS TRLI 100	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00148	FOUNDATION DETAILS IP171-921 INLET	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00149	FOUNDATION DETAILS VAZEL GEAR M56X6	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00150	TRANSITION PIECE C3 FOUNDATION DETAILS - SHEET 1	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00151	TRANSITION PIECE C3 FOUNDATION DETAILS - SHEET 2	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00226	STRENGTH CHECK ON EMBEDDED DETAILS	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00352	STEAM TURBINE FOUNDATION OUTLINE DRAWING - SHEET 1	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00353	STEAM TURBINE FOUNDATION OUTLINE DRAWING - SHEET 2	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00354	STEAM TURBINE FOUNDATION OUTLINE DRAWING - SHEET 3	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00355	STEAM TURBINE FOUNDATION OUTLINE DRAWING - SHEET 4	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00356	STEAM TURBINE FOUNDATION OUTLINE DRAWING - SHEET 5	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00357	STEAM TURBINE FOUNDATION OUTLINE DRAWING - SHEET 6	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00358	STEAM TURBINE FOUNDATION OUTLINE DRAWING - SHEET 7	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00369	TRANSITION PIECE C3 FOUNDATION DETAILS - SHEET 2	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00215	SOUND ENCLOSURE STRUCTURAL CALCS	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00363	GENERAL ARRANGEMENT - SOUND ENCLOSURE - SHEET 1	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00359	GENERAL ARRANGEMENT - SOUND ENCLOSURE - SHEET 2	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00360	GENERAL ARRANGEMENT - SOUND ENCLOSURE - SHEET 3	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00361	GENERAL ARRANGEMENT - SOUND ENCLOSURE - SHEET 4	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00362	GENERAL ARRANGEMENT - SOUND ENCLOSURE - SHEET 5	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00371	SOUND ENCLOSURE PLAN AT GROUND LEVEL	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00372	SOUND ENCLOSURE ROOF PLAN	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00373	FRAMING ELEVATIONS - PART 1	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00374	FRAMING ELEVATIONS - PART 2	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00375	FRAMING ELEVATIONS - PART 3	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00376	END CONNECTION DETAILS - PART 1	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00377	END CONNECTION DETAILS - PART 2	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00378	COLUM BASE PLATES	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00379	SOUND ENCLOSURE GENERAL STRUCTURAL NOTES	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00380	STRUCTURAL STEEL INSPECTION REQUIREMENTS	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00381	STEAM SURBINE SOUND ENCLOSURE STRUCUTRAL ANALYSIS AND DESIGN - PART I	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00382	STEAM SURBINE SOUND ENCLOSURE STRUCUTRAL ANALYSIS AND DESIGN - PART I1	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00383	STEAM SURBINE SOUND ENCLOSURE STRUCUTRAL ANALYSIS AND DESIGN - PART I11	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00384	STEAM SURBINE SOUND ENCLOSURE STRUCUTRAL ANALYSIS AND DESIGN - PART IV	Vendor			Y													

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00084	IVANPAH LH-2.2 HELIOSTAT MATERIAL AND FASTENER DATA SHEETS	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00085	IVANPAH PROJECT HELIOSTAT: LH2.2 DESIGN SUMMARY	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00110	LH2.2 HELIOSTAT TOP LEVEL SPECIFICATION	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00175	PYLON AND LABEL ASSEMBLY	Vendor			N													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00238	PAD ASSEMBLY	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00239	INTERFACE UNIT WITH SHAFT ASSEMBLY	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00240	LH-2.2: HR PYLON ASSEMBLY	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00241	SUPPORT ARM ASSEMBLY (GENERIC)	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00242	MIRROR ASSEMBLY	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00243	ELEVATION DRIVE SUPPLY ASSEMBLY	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00244	AZIMUTH DRIVE ASSEMBLY	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00245	WORM DRIVE SUB-ASSEMBLY	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00246	HELIOSTAT REFLECTOR - GENERIC	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00247	HELIOSTAT SUPPORT STRUCTURE ASSEMBLY	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00248	TORQUE TUBE AND ITS ASSY - GENERIC	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00249	INTERFACE UNIT ASSEMBLY	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00250	TORQUE TUBE DRILLING ASSEMBLY - GENERIC	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00251	TORQUE TUBE WELDING	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00252	DISPLACEMENT PYLON	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00253	ELEVATION DRIVE - CONNECTING PIN	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00254	CROSS BAR BLANK	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00255	PAD SPACER	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00256	PAD	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00257	INTERFACE UNIT CLAMP	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00258	ED ROD	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00259	REFLECTOR SHAFT	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00260	CYLINDER	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00261	ED PIVOT PIN	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00262	CROSS BAR REFLECTOR SHAFT	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00263	CROSS BAR-ED (LEFT)	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00264	CROSS BAR-ED (RIGHT)	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00265	DIAGONAL	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00266	SUPPORT ARM - GENERIC	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00267	TORQUE TUBE	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00268	INTERFACE UNIT BODY	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00269	PILE POINT	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00270	PYLON TUBE - 6IN X 3.4MM LENGTH 3.6M	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00271	PYLON FIN	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00272	MIRROR (3.3M X 2.3M)	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00273	MIDDLE BRACKET	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00274	HINGE BRACKET	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00275	CYLINDER CAP	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00276	ED TIP	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00277	HEX SOCKET HEAD CAP SCREW	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00278	PREVAILING TORQUE HEX LOCK NUT	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00279	3/16IN STAVEX RIVET	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00280	3/16IN AVDELOK FASTENER - PIN	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00281	1/4IN AVDELOK FESTENER - PIN	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00282	3/16IN AVDELOK FASTENER - COLLAR	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00283	1/4IN AVDELOK FESTENER - COLLAR	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00284	M10X25 NORD LOCK BOLT AND WASHER	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00285	NEEDLE ROLLER TRUST BEARING	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00286	GLUE ADHESIVE	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00287	BALL SCREW	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00288	IVANPAH POSITION TOLERANCES AND CONSTRUCTION REQUIREMENTS	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00289	IVANPAH SOLAR FIELD FOUNDATION	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00293	PYLON ASSEMBLY	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00294	LIMITED GEOTECHNICAL EVALUATION - IVANPAH GENERATING SYSTEM PHASES II AND III PYLON FOUNDATIONS	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00295	LH-2 HELIOSTAT WIND TUNNEL TEST REPORT	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00301	DESIGN EROSION AND SCOUR DEPTHS FOR HELIOSTAT PYLONS WITHING IVANPAH 2 AND 3 (TECHNICAL MEMORANDUM NO. 20)	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00378	TRIPLE - FINNED DISPLACEMENT PYLON	Vendor			N													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00379	PYLON FIN TIP	Vendor			N													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00380	TRIANGULAR FIN	Vendor			N													
STRUC-1		Approval	Mechanical	Document	25542-000-V1A-MUSG-00394	APPLICATION FOR APPROVED FABRICATORS STATUS - PROSPECT STEEL	Vendor			Y													
STRUC-1		Reference	Mechanical	Document	25542-000-V1A-MUSG-00395	QUALITY ASSURANCE AND QUALITY CONTROL MANUAL - PROSPECT STEEL	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MXHS-00005	SOLAR FIELD CDPU SUPPORT FRAME DRAWINGS	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MXHS-00083	HELIOSTAT WIND TUNNEL TEST REPORT (TRAEGER-110213-LH-2)	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MXHS-00084	HELIOSTAT MATERIAL AND FASTENER DATA SHEETS (30003-L2-M-S-1011, REV. 2)	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MXHS-00085	HELIOSTAT DESIGN SUMMARY (30003-L2-M-S-1003, REV 2)	Vendor			Y													

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
STRUC-1		Approval	Civil	Document	25542-000-V1A-MXHS-00086	HELIOSTAT DRAWINGS PACKAGE (30003-L2-M-S-1010, REV 3)	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MXHS-00087	HELIOSTAT EARTHQUAKE LAOD ANALYSIS (PROJECT 30003-LH2.2 REV A)	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MXHS-00088	HELIOSTAT WIND LOAD ANALYSIS (PROJECT 30003-LH2.2 REV A)	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MXHS-00110	LH-2.2 HELIOSTAT TOP LEVEL SPECIFICATION (3003-SF-G-S-1005, REV 1)	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-MXHS-00111	STRUCTURAL CALCULATION - CDPU SUPPORT FRAME	Vendor			Y													
STRUC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00077	TOL-BRACE SEISMIC CALCULATIONS AND MOUNTING DETAILS	Vendor			Y													
STRUC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00078	TOL-BRACE SEISMIC CALCULATIONS AND MOUNTING DETAILS	Vendor			Y													
STRUC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00079	TOL-BRACE SEISMIC CALCULATIONS AND MOUNTING DETAILS	Vendor			Y													
STRUC-1		Reference	Civil	Document	25542-000-V1A-SY00-00002	A STUDY OF WIND EFFECTS FOR SOLAR TOWER	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-SY10-00010	DIMENSION OF PENDULUM MASS	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-SY10-00012	DETAILS: SPRINGS/PENDULUMS WITH CONNECTION	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-SY10-00013	PSWT	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-SY10-00014	EXISTING STRUCTURE AND PROFILES FOR SPRINGS	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-SY10-00015	EXISTING STRUCTURE WITH DAMPERS AND BORE HOLE	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-SY10-00016	SPRING CONNECTION DETAILS	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-SY10-00018	SUMMARY OF DESIGN CALCULATIONS FOR GERB	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-SY10-00032	TUNED MASS DAMPER TEST METHOD STATEMENT	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-SY10-00033	TUNED MASS DAMPER FOR UNITS 1,2 AND 3 SRSG TOWER STATEMENTS REGARDING cbo REVIEWER'S COMMENTS	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-SY10-00036	TUNED MASS DAMPER FOR UNITS 1,2 AND 3 SRSG TOWER STATEMENTS REGARDING CBO REVIEWER'S COMMENTS ON TEST METHOD STATEMENT	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-SY10-00037	TEST REPORT - PRELIMINARY TUNING OF THE TMD SYSTEM UNIT 1	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1A-U000-00001	STORAGE RACK DETAILS	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1A-U000-00002	SEISMIC ANALYSIS OF STORAGE RACKS	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00043	Cover Sheet - Administration Building - Fire Sprinkler	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00044	Mechanical Layout - Administration Building - Fire Sprinkler	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00045	Electrical Layout - Administration Building - Fire Sprinkler	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00046	Panel Wiring Diagram - Administration Building - Fire Sprinkler	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00047	Details - Administration Building - Fire Sprinkler	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00048	Site Plan, Notes and Details - Administration Building - Fire Sprinkler	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00049	Piping Plan and Sections - Administration Building - Fire Sprinkler	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00050	Reflected Ceiling, Mezzanine, Under Floor Piping - Administration Building - Fire Sprinkler	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00101	HYDRAULIC CALCULATION No C1-1	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00105	ADMINISTRATION BUILDING - GASEOUS FIRE SUPPRESSION SYSTEM CALCULATIONS, CENTRAL CONTROL 108 - LEFT MAIN VOLUME	Vendor			Y													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-AKBS-00106	ADMINISTRATION BUILDING - GASEOUS FIRE SUPPRESSION SYSTEM CALCULATIONS, CENTRAL CONTROL 108 -RIGHT MAIN VOLUME	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-MBFD-00328	TANK DESIGN CALCULATION	Vendor			Y													
MECH-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00022	FP-1 TURBINE BEARINGS, FP-3 LUBE OIL ENCLOSURE, FP-4 BOILER FEED PUMP FEED MAIN LAYOUT	Vendor			Y													
MECH-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00023	LUBE OIL RESERVOIR ENCLOSURE HYDRAULIC CALC	Vendor			Y													
MECH-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00024	STEAM TURBINE BEARINGS HYDRAULIC CALC	Vendor			Y													
MECH-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00027	BOILER FFED PUMP LUBE OIL SKID LAYOUT	Vendor			Y													
MECH-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00028	BOILER FFED PUMP LUBE OIL SKID HYDRAULIC CALCULATION	Vendor			Y													
MECH-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00054	TURBINE ENCLOSURE LAYOUT	Vendor			Y													
MECH-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00055	TURBINE ENCLOSURE HYDRAULIC CALC	Vendor			Y													
MECH-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00056	GSU 150MVA AND AUX 12 MVA TRANSFORMERS LAYOUT	Vendor			Y													
MECH-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00057	AUX 12 MVA TRANSFORMER CALC	Vendor			Y													
MECH-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00058	GSU 150MVA TRANSFORMER HYDRAULIC CALC	Vendor			Y													
MECH-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00064	STATION SERVICE TRANSFORMER LAYOUT	Vendor			Y													
MECH-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00065	STATION SERVICE TRANSFORMER HYDRAULIC CALC	Vendor			Y													
MECH-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00070	SOLAR TOWER EXTINGUISHER DRAWING	Vendor			Y													
MECH-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00071	STG ENCLOSURE, BEARINGS, LO RESERVOIR BF	Vendor			Y													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MBFD-00329	REPORT OF MAGNETIC PARTICLE EXAMINATION	Vendor			Y													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MBFD-00342	FORM U-1A MANUFACTURER DATA REPORT FOR PRESSURE VESSELS - UNIT 2 BLOWDOWN TANK	Vendor			Y													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MBFD-00348	AUX BOILER CODE COMPLIANCE LETTER	Vendor			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MBFD-00350	ECONOMIZER CODE COMPLIANCE LETTER	Vendor			Y													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MBFD-00351	FORM P-3 MANUFACTURERS DATA REPORT FOR WATERTUBE BOILERS, SUPERHEATERS, WATERWALLS, AND ECONOMIZER - UNIT 1	Vendor			Y													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MBHS-00019	DESIGN CERTIFICATION - DR18369	Vendor			Y													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MBHS-00021	AUXILIARY STEAM SUPERHEATER - DR18369	Vendor			Y													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MCRA-00086	120GAL. VERT. AIR RECEIVEER- U1A - NEW VESSELS	Vendor			Y													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MCRA-00087	2560 GAL. VERT. AIR RECEIVER U1AS	Vendor			Y													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MCRA-00088	PH400 DRYER U1A CERTS	Vendor			Y													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MCRA-00089	2560 GAL. VERT. AIR RECEIVER U1A	Vendor			Y													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MCRA-00075	2560 CERTIFICATE OF CONFORMITY	Vendor			Y													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MCRA-00106	PH400 COC CERTIFICATES	Vendor			Y													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MCRA-00074	120 GAL. RECEIVEER COC - NEW VESSELS - STEEL FAB	Vendor			Y													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MCRA-00110	PH400 DRYER TOWER VESSELS - ASME NB TAG PHOTOS	Vendor			Y													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MCRA-00111	STEEL FAB 120GAL. VERT. AIR RECEIVERS NEW VESSELS - ASME NB TAG PHOTOS	Vendor			Y													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MCRA-00114	2560GAL. VERT. RECEIVER ASME NB TAG PHOTOS	Vendor			Y													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MSXF-00029	DESIGN CERTIFICATION - DRAIN TANK	Vendor			Y													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MSXF-00030	DESIGN CERTIFICATION - FUEL GAS HEATER	Vendor			Y													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MSXF-00031	DESIGN CERTIFICATION - FUEL GAS SEPARATOR VESSEL	Vendor			Y													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MTSC-00055	ASME DOCUMENTATION FOR SRSG BLOWDOWN TANK	Vendor			N													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MTSC-00064	ASME DOCUMENTATIONFOR CCW HEAD TANK	Vendor			N													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MTSC-00065	ASME DOCUMENTATION FOR SRSG FLASH TANK	Vendor			N													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MTSC-00066	ASME DESIGN LETTER	Vendor			N													
MECH-3		Approval	Mechanical	Document	25542-000-V1A-AKBS-00107	ADMINISTRATION BUILDING - GASEOUS FIRE SUPPRESSION SYSTEM CALCULATION, CENTRAL CONTROL 108 - SUBFLOOR	Vendor			Y													
MECH-3		Approval	Electrical	Document	25542-000-V1A-EKL3-00083	ACC, SRSG, ATG AND WT EEM HVAC SIZING CALC	Vendor			Y													
MECH-4		Approval	Mechanical	Document	25542-000-V1A-AKBS-00108	ADMINISTRATION BUILDING - GASEOUS FIRE SUPPRESSION SYSTEM CALCULATIONS, CONTROL EQUIPMENT 104 - CQ	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00120	Consolidated Report	Vendor	Superseded by 25542-000-V1A-AKBS		N													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00121	Control Equipment Room Gaseous Fire Suppression System Calculation	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00124	Hydraulic Calculation No. C1-2	Vendor			Y													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MWDC-00158	FORM U01A MANUFACTURERS DATA REPORT FOR PRESSURE VESSELS	Vendor			Y													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MWDC-00160	FORM U-1A MANUFACTURERS DATA REPORT FOR PRESSURE VESSELS - CARTRIDGE FILTERS	Vendor			Y													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MWDC-00161	PE SIGNED LETTER	Vendor			Y													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MWDC-00170	FORM U-1A MANUFACTURERS DATA REPORT FOR PRESSURE VESSELS - UNIT 3	Vendor			Y													
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MWDC-00171	FORM U-1A MANUFACTURERS DATA REPOR FOR PRESSURE VESSELS - CARTRIDGE FILTERS - UNITS 2 AND 3	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00108	ELECTRICAL ABOVE GROUND PLAN	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00109	ELECTRICAL ABOVE GROUND PLAN	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00110	ELECTRICAL ABOVE GROUND PLAN	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00111	ELECTRICAL ABOVE GROUND PLAN	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00112	ELECTRICAL ABOVE GROUND PLAN	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00113	ELECTRICAL ABOVE GROUND PLAN	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00114	ELECTRICAL CABLE TRAY PLAN	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00115	ELECTRICAL CABLE TRAY PLAN	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00116	ELECTRICAL CABLE TRAY PLAN	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00117	ELECTRICAL CABLE TRAY PLAN	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00118	ELECTRICAL CABLE TRAY PLAN	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00119	ELECTRICAL CABLE TRAY PLAN	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00120	ELECTRICAL TASK LIGHTING PLAN	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00121	ELECTRICAL TASK LIGHTING PLAN	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00122	ELECTRICAL TASK LIGHTING PLAN	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00123	ELECTRICAL TASK LIGHTING PLAN	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00124	ELECTRICAL TASK LIGHTING PLAN	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00125	ELECTRICAL TASK LIGHTING PLAN	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00126	ELECTRICAL PANEL SCHEDULE	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00127	ELECTRICAL PANEL SCHEDULE	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00128	ELECTRICAL PANEL SCHEDULE	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00129	ELECTRICAL PANEL SCHEDULE	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00130	ELECTRICAL PANEL SCHEDULE	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00131	ELECTRICAL PANEL SCHEDULE	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00132	ELECTRICAL PANEL SCHEDULE	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00133	ELECTRICAL PANEL SCHEDULE	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00226	ELECTRICAL INSTALLATION DETAILS	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00227	CABLE TRAY INSTALLATION DETAILS	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00228	CABLE TRAY INSTALLATION DETAILS	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00229	TASK LIGHTING PLAN	Vendor			Y													
ELEC-1	6/15/2012	Approval	Mechanical	Document	25542-000-V1A-AK00-00230	LIGHTING/RECEPTACLE INSTALLATION DETAILS	Vendor			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00278	ELECTRICAL PANEL SCHEDULE	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00351	ELECTRICAL PANEL SCHEDULE	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00081	FACILITY ADMINISTRATION BUILDING - ELECTRICAL SYMBOLS ABBREVIATIONS AND GENERAL NOTES	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00082	FACILITY ADMINSTRATION BUILDING - LIGHTING PHOTOMECTRIC CALCULATIONS	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00084	FACILITY ADMINISTRATION BUILDING - ELECTRICAL LIGHTING PLAN	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00085	FACILITY ADMINISTRATION BUILDING - ELECTRICAL POWER AND DATA PLAN AND ENLARGED PLANS	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00086	FACILITY ADMINISTRATION BUILDING - ELECTRICAL ROOF PLAN	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00087	FACILITY ADMINISTRATION BUILDING - ELECTRICAL SINGLE LINE DIAGRAM AND PANEL SCHEDULES AND CALCULATIONS	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00088	FACILITY ADMINISTRATION BUILDING - ELECTRICAL DETAILS	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00102	VFC AD DRAWING DETAILS - ADMINISTRATION BUILDING	Vendor			Y													
ELEC-1		Approval	Electrical	Document	25542-000-V1A-EKL3-00121	SRSG LIGHT LAYOUT AND CERTIFICATE OF COMPLIANCE	Vendor			Y													
ELEC-1		Approval	Electrical	Document	25542-000-V1B-EKL3-00304	WT LIGHT LAYOUT AND CERTIFICATE OF COMPLIANCE	Vendor			Y													
ELEC-1		Approval	Electrical	Document	25542-000-V1B-EKL3-00312	ACC LIGHT LAYOUT AND CERITIFICATE OF COMPLIANCE	Vendor			Y													
ELEC-1		Approval	Electrical	Document	25542-000-V1B-EKL3-00315	STG LIGHT LAYOUT AND CERTIFICATE OF COMPLIANCE	Vendor			Y													
ELEC-1		Approval	Electrical	Document	25542-000-V1A-EU00-00275	PROTECTIVE CO-ORDINATION ANALYSIS	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00008	IVANPAH CPDU - TYPICAL SLD	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00009	SF ELECTRICAL AND COMMUNICATION CABLE INSTALLATION DETAILS	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00012	ROOT CABLE ASSEMBLY CONCEPTUAL	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00013	SF CABLE ELECTRICAL INSTALLATION DETAILS	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00014	TRUNK CABLE ASSEMBLY CONCEPTUAL	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00034	IVANPAH SOLAR FIELD HELIOSTAT ELECTRICAL SYSTEM CONCEPTUAL DESIGN	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00037	Y CONNECTOR CONCEPTUAL PCB WIRING SCHEME	Vendor	Superseded by 25542-000-V1A-MXH		N													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00038	SOLAR FIELD CONNECTION SYSTEM REQUIREMENTS	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00069	SF CABLE ANCHORAGE LAYOUT AND TYPICAL INSTALLATION	Vendor			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-00010	IVANPAH CPDU GROUNDING DETAILS	Vendor			Y													
ELEC-1	NA	Reference	Electrical	Drawing	25542-000-V1A-MXHS-00035	IVANPAH SOLAR FIELD TYPICAL SUPPLY CIRCUIT VOLTAGE DROP DESCRIPTION	Vendor			Y													
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-V1A-MXHS-00050	IVANPAH SOLAR FIELD CABLE SIZING CALCULATION	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-MXHS-00156	Y Connector Electrical SLD Conceptual	Vendor			Y													
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXHS-00164	FLIR A310 CAMERA DATASHEET	Vendor			Y													
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXHS-00165	SIRA TEST FOR THE INGRESS PROTECTION OF A D2 OUTDOOR CAMERA ENCLOSURE	Vendor			Y													
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXHS-00166	AUTO-VIMATION - CAMERA ENCLOSURES	Vendor			Y													
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXHS-00168	DOTWORKZ S-TYPE 24V COOLDOME ACTIVE COOLING CAMERA ENCLOSURE	Vendor			Y													
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXHS-00169	SALAMANDER CAMERA ENCLOSURES	Vendor			Y													
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXHS-00171	PROBE 2011 PRODUCTS CATALOG - DIGITAL SURVEILLANCE SYSTEMS	Vendor			Y													
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXHS-00172	PELTIER - DATASHEET CONTROL ENCLOSURE COOLER FL-104-C (IN GERMAN)	Vendor			Y													
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXHS-00340	CPDU PANEL CONSTRUCTION	Vendor			Y													
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXHS-00341	CPDU PANEL LAYOUT	Vendor			Y													
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXHS-00342	CPDU ELECTRICAL WIRING - PAGE 1	Vendor			Y													
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXHS-00343	CPDU ELECTRICAL WIRING - PAGE 2	Vendor			Y													
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXHS-00344	CUSTOMER DRAWING, ZONE DISTRIBUTION BOX, 6 PORT, FIBER ENCLOSURE	Vendor			Y													
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXHS-00345	CUSTOMER DRAWING, ADAPTER PLATE ASSY, DUAL SC X 6, SM/MM, 12 PORT	Vendor			Y													
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXHS-00346	PIT, 2.5 - CPDU COMPONENTS	Vendor			Y													
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXHS-00347	INDUSTRIAL CONTROL TRANSFORMER, 100VA	Vendor			Y													
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXHS-00348	UNIVERSAL POWER DISTRIBUTION SYSTEM	Vendor			Y													
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXHS-00349	CPDU MATERIAL SPECIFICATIONS SUBMITTAL	Vendor			Y													
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXHS-00350	STS 6	Vendor			Y													
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXHS-00351	ST 10	Vendor			Y													
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXHS-00352	QUINT-PS/3AC/24DC/5	Vendor			Y													
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXHS-00353	EML (20X8)R	Vendor			Y													
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXHS-00354	GBS 5-25X12	Vendor			Y													
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXHS-00355	UK 10,3-CC HESI N 2POL	Vendor			Y													
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXHS-00356	QUINT-PS/ 3AC/ 24DC 5	Vendor			Y													
ELEC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00016	FIRE ALARM AND DETECTION SYSTEMS PLATE - WIDE FIRE ALARM PANEL NETWORK INTERCONNECT CABLING BLOCK DIAGRAM	Vendor			Y													
ELEC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00017	FIRE ALARM AND DETECTION SYSTEMS TYPICAL UNIT FIRE ALARM PANEL INTERCONNECT CABLING BLOCK DIAGRAM	Vendor			Y													
ELEC-1	6/15/2012	Approval	Plant Design	Document	25542-000-V1A-PY21-00029	FIRE ALARM AND DETECTION SYSTEMS MAIN FIRE ALARM PANEL ENCLOSURE DETAILS AND BILL OF MATERIALS	Vendor			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
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Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
ELEC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00030	FIRE ALARM AND DETECTION SYSTEMS MAIN FIRE PANEL INTERNAL WIRING DIAGRAM	Vendor			Y													
ELEC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00031	FIRE ALARM AND DETECTION SYSTEMS UNT 1 FIRE ALARM PANEL ENCLOSURE DETAILS AND BILL OF MATERIALS	Vendor			Y													
ELEC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00032	FIRE ALARM AND DETECTION SYSTEMS UNIT 1 FIRE ALARM PANEL INTERNAL WIRING DIAGRAM	Vendor			Y													
ELEC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00033	FIRE ALARM AND DETECTION SYSTEMS UNIT 2 FIRE ALARM PANEL ENCLOSURE DETAILS AND BILL OF MATERIALS	Vendor			Y													
ELEC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00034	FIRE ALARM AND DETECTION SYSTEMS UNIT 2 FIRE ALARM PANEL INTERNAL WIRING DIAGRAM	Vendor			Y													
ELEC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00035	FIRE ALARM AND DETECTION SYSTEMS UNIT 3 FIRE ALARM PANEL ENCLOSURE DETAILS AND BILL OF MATERIALS	Vendor			Y													
ELEC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00036	FIRE ALARM AND DETECTION SYSTEMS UNIT 3 FIRE ALARM PANEL INTERNAL WIRING DIAGRAM	Vendor			Y													
ELEC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00037	ZONE INTERFACE BOXES	Vendor			Y													
ELEC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00038	ZONE INTERFACE BOXES	Vendor			Y													
ELEC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00039	ZONE INTERFACE BOXES	Vendor			Y													
ELEC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00040	ZONE INTERFACE BOXES	Vendor			Y													
ELEC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00046	ZONE INTERFACE BOXES	Vendor			Y													
ELEC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00047	ZONE INTERFACE BOXES	Vendor			Y													
ELEC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00048	TURBINE BEARING AND ST LUKE OIL ENCLOSURE DETECTION SYSTEMS AND VALVE AREA DEVICE LAYOUT WIRING	Vendor			Y													
ELEC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00049	TURBINE ENCLOSURE AND BOILER FEED PUMP DETECTION SYSTEMS	Vendor			Y													
ELEC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00050	GENERATOR STEP-UP, AUXILIARY AND STATION SERVICE TRANSFORMERS SYSTEMS	Vendor			Y													
ELEC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00068	UNITS 1, 2, 3 TYPICAL AND COMMON AREA FIRE PUMP BUILDINGS- DEVICE LAYOUT AND WIRING	Vendor			Y													
ELEC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00069	CENTRAL CONTROL ROOM AND TYPICAL - DEVICE LAYOUT AND WIRING	Vendor			Y													
ELEC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00073	FIRE ALARM PANEL BATTERY CALCULATIONS NODE 1: COMMON AREA MAIN FIRE ALARM PANEL	Vendor			Y													
ELEC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00074	FIRE ALARM PANEL BATTERY CALCULATIONS NODE 3: UNIT 1 UNIT FIRE ALARM PANEL	Vendor			Y													
ELEC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00075	FIRE ALARM PANEL BATTERY CALCULATIONS NODE 5: UNIT 2 UNIT FIRE ALARM PANEL	Vendor			Y													
ELEC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00076	FIRE ALARM PANEL BATTERY CALCULATIONS NODE 7: UNIT 3 UNIT FIRE ALARM PANEL	Vendor			Y													
ELEC-1		Approval	Plant Design	Document	25542-000-V1A-PY21-00084	TYPICAL DEVICE INSTALLATION AND WIRING DETAILS	Vendor			Y													
ELEC-1		Reference	Mechanical	Document	25542-000-530-U07G-00001	ENERGIZATION OF UNIT 1 STATION SERVICE TRANSFORMER 1-ES-ET-001 AND 4.16KV SWITCHGEAR	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00089	PLUMB - ADMIN BUILDING	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00090	PLUMB - ADMIN BUILDING	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00091	PLUMB - ADMIN BUILDING	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00092	MECH - FACILITY ADMIN BLDG	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00093	MECH - FACILITY ADMIN BLDG	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00094	MECH - FACILITY ADMIN BLDG	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00095	MECH - FACILITY ADMIN BLDG	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00096	MECH - FACILITY ADMIN BLDG	Vendor			Y													
MECH-1		Reference	Mechanical	Document	25542-000-V1A-AKBS-00104	PLUMB - ADMIN BUILDING	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00110	MECH - FACILITY ADMIN BLDG	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00111	MECH - FACILITY ADMIN BLDG	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00112	MECH - FACILITY ADMIN BLDG	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00113	MECH - FACILITY ADMIN BLDG	Vendor			Y													
GEN-5		Approval		Document	25542-000-V1A-ACE0-00016	PE RESUME FOR DONALD R LIBBY, SE	Vendor			Y													
GEN-5		Approval		Document	25542-000-V1A-ACE0-00017	GEODECKED COVER LETTER FOR LIBBY	Vendor			Y													
GEN-5		Approval		Document	25542-000-V1A-ACE0-00018	PE RESUME FOR STEVEN ARNOLD, PE, SE	Vendor			Y													
GEN-5		Approval		Document	25542-000-V1A-ACE0-00019	COVER LETTER FOR ARNOLD	Vendor			Y													
GEN-5		Approval		Document	25542-000-V1A-ACE0-00049	PE RESUME FOR P. IMMERMAN	Vendor			Y													
GEN-5		Approval		Document	25542-000-V1A-ACE0-00050	GEODECKE COVER LETTER FOR PAUL IMMERMAN	Vendor			Y													
GEN-5	NA	Approval	Electrical	Resume	25542-000-V1A-AK00-00195	RESUME - KRAIG KLAUSEN, CIVIL ENGR	Vendor			Y													
GEN-5	NA	Approval	Electrical	Resume	25542-000-V1A-AK00-00196	RESUME - RANDALL TURNER, ELECTRICAL ENGR	Vendor			Y													
GEN-5	NA	Approval	Electrical	Cover Letter	25542-000-V1A-AK00-00199	COVER LETTER	Vendor			Y													
GEN-5	NA	Approval	Electrical	Cover Letter	25542-000-V1A-AK00-00200	COVER LETTER	Vendor			Y													
GEN-5	NA	Approval	Electrical	Resume	25542-000-V1B-AK00-00003	RESUME: KELY DAME, MECHANICAL ENGINEER	Vendor			Y													
GEN-5	NA	Approval	Electrical	Resume	25542-000-V1B-AK00-00150	COVER LETTER	Vendor			Y													
GEN-5	NA	Approval	Electrical	Resume	25542-000-V1B-AK00-00002	RESUME - DINESH PATEL	Vendor			Y													
GEN-5	NA	Approval	Electrical	Resume	25542-000-V1B-AK00-00155	COVER LETTER	Vendor			Y													
GEN-5	NA	Approval	Electrical	Resume	25542-000-V1A-AK00-00369	RESUME FOR STEVEN D. HOYER	Vendor			Y													
GEN-5	NA	Approval	Electrical	Cover Letter	25542-000-V1A-AK00-00370	PE LETTER FROM STEVEN D. HOYER	Vendor			Y													
GEN-5		Approval	Archetectural	Resume	25542-000-V1A-AKBS-00138	RESUME -GLEN D TASSON, PE, PROJECT ELECTRICAL ENGINEER, VP ENGINEERING, GREGG ELECTRIC, INC	Vendor			Y													
GEN-5	NA	Approval	Electrical	Resume	25542-000-V1A-AKBS-00051	RESUME - ARUN SAHA	Vendor			Y													
GEN-5	NA	Approval	Electrical	Resume	25542-000-V1A-AKBS-00052	RESUME - BRUCE GILLINGS	Vendor			Y													

Ivanpah Solar Electric Generating Facility
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GEN-5	NA	Approval	Electrical	Resume	25542-000-V1A-AKBS-00056	RESUME - SCOTT WAYLAND	Vendor			Y													
GEN-5	NA	Approval	Electrical	Resume	25542-000-V1A-AKBS-00059	RESUME - NATHAN PETERSON	Vendor			Y													
GEN-5	NA	Approval	Electrical	Resume	25542-000-V1A-AKBS-00060	RESUME - PAUL IMMERMAN	Vendor			Y													
GEN-5	NA	Approval	Electrical	Resume	25542-000-V1A-AKBS-00061	RESUME - ARMEN MINATSAGHANLAN	Vendor			Y													
GEN-5	NA	Approval	Electrical	Resume	25542-000-V1A-EKL3-00081	PE RESUME - ELECTRICAL ENGINEER	Vendor			Y													
GEN-5		Approval	Electrical	Resume	25542-000-V1A-EKL3-00134	PE RESUME AND COVER LETTER - MECHANICAL ENGINEER (HIBBS)	Vendor			Y													
GEN-5		Approval	Electrical	Resume	25542-000-V1B-EKL3-00257	PE RESUME - STRUCTURAL ENGINEER	Vendor			Y													
GEN-5		Approval	Electrical	Resume	25542-000-V1B-EKL3-00258	PE RESUME - ELECTRICAL ENGINEER	Vendor			Y													
GEN-5		Approval	Electrical	RESUME	25542-000-V1A-ERG0-00004	PE RESUME FOR ISAO KAWASAKI	Vendor			Y													
GEN-5		Approval	Electrical	Cover Letter	25542-000-V1A-ERG0-00006	COVER LETTER	Vendor			Y													
GEN-5		Approval	Electrical	Resume	25542-000-V1B-EU00-00091	PE RESUME - CIVIL ENGINEER	Vendor			N													
GEN-5		Approval	Electrical	Resume	25542-000-V1B-EU00-00113	PE RESUME - ELECTRICAL ENGINEER	Vendor			Y													
GEN-5		Approval	Electrical	RESUME	25542-000-V1A-EU00-00274	PE RESUME - CIVIL ENGINEER	Vendor			Y													
GEN-5		Approval	Electrical	RESUME	25542-000-V1A-EU00-00276	PE RESUME - ELECTRICAL ENGINEER	Vendor			Y													
GEN-5	NA	Approval	Electrical	Resume	25542-000-V1A-EWZ0-00026	RESUME: NIZOM GHANTOUS, ELECTRICAL ENGINEER	Vendor			Y													
GEN-5	NA	Approval	Civil	Resume	25542-000-V1A-EWZ0-00027	RESUME: SCOTT KIRBY, CIVIL ENGINEER	Vendor			Y													
GEN-5	NA	Approval	Electrical	Cover Letter	25542-000-V1A-EWZ0-00047	COVER LETTER	Vendor			Y													
GEN-5	NA	Approval	Civil	Cover Letter	25542-000-V1A-EWZ0-00048	COVER LETTER	Vendor			Y													
GEN-5		Approval	Civil	Resume	25542-000-V1B-MBFD-00041	COVER LETTER/RESUME - PETER TANAKA CIVIL ENGINEER	Vendor			Y													
GEN-5		Approval	Civil	Resume	25542-000-V1A-MBFD-00173	PE RESUME - JUSTIN D. MARSHALL PHD	Vendor			Y													
GEN-5		Approval	Civil	Cover Letter	25542-000-V1A-MBFD-00174	COVER LETTER	Vendor			Y													
GEN-5		Approval	Civil	Resume	25542-000-V1A-MBFD-00369	RB WELTY AND ASSOC - STRUCTURAL ENGINEERS RESUME	Vendor			Y													
GEN-5		Approval	Mechanical	Resume	25542-000-V1A-MBHS-00022	CALIFORNIA PE RESUME - RYAN GALE	Vendor			Y													
GEN-5		Approval	Mechanical	Cover Letter	25542-000-V1A-MBHS-00023	COVER LETTER - RYAN GALE	Vendor			Y													
GEN-5		Approval	Mechanical	Resume	25542-000-V1A-MBHS-00024	CALIFORNIA PE RESUME - CHRIS ROSENCUTTER	Vendor			Y													
GEN-5		Approval	Mechanical	Cover Letter	25542-000-V1A-MBHS-00025	COVER LETTER - CHRIS ROSENCUTTER	Vendor			Y													
GEN-5		Approval	Mechanical	Cover Letter	25542-000-V1A-MEAA-00099	COVER LETTER	Vendor			Y													
GEN-5		Approval	Mechanical	Resume	25542-000-V1A-MEAA-00100	RESUME; DUDEK	Vendor			Y													
GEN-5		Approval	Mechanical	Resume	25542-000-V1A-MEAW-00066	HOPE ENGINEERING - STATEMENT OF QUALIFICATIONS - CALIFORNIA PROFESSIONAL ENGINEER	Vendor			Y													
GEN-5		Approval	Mechanical	Resume	25542-000-V1A-MEAW-00115	RESUME OF KHALED M. EL MOKADEM AND COVER LETTER	Vendor			Y													
GEN-5		Approval	Mechanical	Resume	25542-000-V1A-MBFD-00122	PE RESUME WITH COVER LETTER	Vendor			Y													
GEN-5		Approval	Mechanical	Resume	25542-000-V1A-MPGB-00018	RESUME OF CALIFORNIA REGISTERED ENGINEER - JENNIFER M BANUELOS, PE	Vendor			Y													
GEN-5		Approval	Mechanical	Cover Letter	25542-000-V1A-MPGB-00091	COVER LETTER - GA DRAWING APPROVAL - RESPONSIBLE MECHANICAL ENGINEER	Vendor			Y													
GEN-5		Approval	Mechanical	Resume	25542-000-V1A-MPGF-00118	ENGINEERING PERSONNEL AND RESPONSIBILITIES - MR EUGENE WILKINS	Vendor			Y													
GEN-5		Approval	Mechanical	Resume	25542-000-V1A-MPGF-00132	ENGINEERING PERSONNEL AND RESPONSIBILITIES - MR JOHN GIBBONS	Vendor			Y													
GEN-5		Approval	Mechanical	Resume	25542-000-V1A-MPGF-00133	ENGINEERING PERSONNEL AND RESPONSIBILITIES - MR WILLIAM BOWEN	Vendor			Y													
GEN-5		Approval	Mechanical	Resume	25542-000-V1A-MPGF-00134	ENGINEERING PERSONNEL AND RESPONSIBILITIES - JIM SHUMMON	Vendor			Y													
GEN-5		Approval	Mechanical	Cover Letter	25542-000-V1A-MPGF-00135	COVER LETTER - MR EUGENE WILKINS, MR JOHN BIGGONS, MR JIM SHUMMON	Vendor			Y													
GEN-5		Approval	Mechanical	Cover Letter	25542-000-V1A-MPGF-00136	COVER LETTER - MR WILLIAM BOWEN	Vendor			Y													
GEN-5		Approval	Mechanical	Cover Letter	25542-000-V1A-MPGF-00137	LETTER CONFIRMING CBC REQUIREMENTS - MR WILLIIAM BOWEN	Vendor			Y													
GEN-5		Approval	Mechanical	Cover Letter	25542-000-V1A-MSXF-00032	COVER LETTER - WILLIAM CHRISTOPHER ROSENCUTTER	Vendor			Y													
GEN-5		Approval	Mechanical	Resume	25542-000-V1A-MT00-00010	RESUME OF CERTIFYINGCA ENGINEER-JOEL D WICOFF, PE	Vendor			Y													
GEN-5		Approval	Mechanical	Cover Letter	25542-000-V1A-MT00-00011	LETTER FROM ENGINEER, JOELD WICOFF	Vendor			Y													
GEN-5		Approval	Mechanical	Resume	25542-000-V1A-MUSG-00218	REGISTERED PROFESSIONAL STRUCTURAL ENGINEER IN RESPONSIBLE CHARGEOF THE PROJECT AS ENGINEER OF RECORD - RAHAT Y KHAN	Vendor			Y													
GEN-5		Approval	Mechanical	Resume	25542-000-V1B-MUVE-00002	RESUME AND SCOPE OF WORK FOR JAMES P RICE	Vendor			Y													
GEN-5		Approval	Mechanical	Resume	25542-000-V1B-MUVE-00072	RESUME AND SCOPE OF WORK FOR JOHN P BARRINGER	Vendor			Y													
GEN-5		Approval	Mechanical	Resume	25542-000-V1B-MUVE-00073	RESUME AND SCOPE OF WORK FOR VINCENT MANETTI	Vendor			Y													
GEN-5		Approval	Civil	Resume	25542-000-V1A-SY10-00003	GREGORY P LUTH RESUME	Vendor			Y													
GEN-5		Approval	Civil	Document	25542-000-V1A-SY10-00019	TMD PIER REVIEW	Vendor			Y													
GEN-5		Approval		Resume	25542-000-V1B-AK00-00298	SCOTT HEATLY RESUME	Vendor			Y													
GEN-5		Approval	Electrical	Resume	25542-000-V1A-EKL3-00080	PE RESUME - STRUCTURAL ENGINEER	Vendor			Y													
GEN-5		Approval	Electrical	Resume	25542-000-V1A-EKL3-00081	PE RESUME - ELECTRICAL ENGINEER	Vendor			Y													
GEN-5		Approval	ONTROL SYSTEN	Resume	25542-000-V1A-JA34-00030	SAMPLE AND ANALYSIS SYSTEM - PE RESUME	Vendor			Y													
GEN-5		Approval	Mechanical	Resume	25542-000-V1A-MWDC-00131	COVER LETTER FOR HAROLD W JOHNSON, PE	Vendor			Y													
GEN-5		Approval	Mechanical	Resume	25542-000-V1A-MWDC-00132	RESUME FORHAROLD W JOHNSON, PE	Vendor			Y													
GEN-5		Approval	Plant Design	Resume	25542-000-V1A-PY21-00025	COVER LETTER AND RESUME FOR JAMES BOUCHE, PE	Vendor			Y													
ELEC-1		Approval	Electrical	Document	25542-000-V1A-MPGF-00004	Common - Duplex Fire Pump Package and Enclosure Electrical Layout	Vendor			Y													
ELEC-1		Approval	Electrical	Document	25542-000-V1A-MPGF-00027	ELECTRICAL LAYOUT	Vendor			Y													
ELEC-1		Approval	Electrical	Document	25542-000-V1A-MPGF-00090	LIGHTING CALCULATION AND PLAN	Vendor			Y													
ELEC-1		Approval	Electrical	Document	25542-000-V1A-MPGF-00089	Common - Lighting Calculation	Vendor			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1B-AK00-00062	PERFORMANCE CERTIFICATE OF COMPLIANCE - HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1B-AK00-00063	PERFORMANCE CERTIFICATE OF COMPLIANCE - PAD BOND BUILDINGS	Vendor			Y													
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1B-AK00-00067	HELIOSTAT ASSEMBLY BUILDING PSYCHOMETRIC CHART	Vendor			Y													
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1B-AK00-00068	PAD BOND BUILDING PSYCHOMETRIC CHART	Vendor			Y													
MECH-1	NA	Approval	Mechanical	Data Sheet	25542-000-V1B-AK00-00073	AMEREX - CHEMICAL FIRE EXTINGUISHER DATE SHEET	Vendor			Y													
MECH-1	NA	Approval	Mechanical	Data Sheet	25542-000-V1B-AK00-00074	AMEREX - CARBON DIOXIDE CO2 FIRE EXTINGUISHER DATE SHEET	Vendor			Y													
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1B-AK00-00075	LEGEND SHEET, INDEX, AND SPECIFICATIONS (M-001)	Vendor			Y													
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1B-AK00-00076	MECHANICAL PLANS - PAD BONDING BUILDINGS 1 AND 2 (M-201)	Vendor			Y													
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1B-AK00-00077	MECHANICAL PLANS - HELIOSTAT ASSEMBLY BUILDING - AREA A (M-202)	Vendor			Y													
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1B-AK00-00078	MECHANICAL PLANS - HELIOSTAT ASSEMBLY BUILDING - AREA B (M-203)	Vendor			Y													
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1B-AK00-00079	SCHEDULES (M-601)	Vendor			Y													
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1B-AK00-00080	DETAILS (M-701)	Vendor			Y													
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1B-AK00-00088	FIRE ALARM AND DETECTION SYSTEM - PARTIAL FLOOR PLAN A (FA-01)	Vendor			Y													
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1B-AK00-00089	FIRE ALARM AND DETECTION SYSTEM - PARTIAL FLOOR PLAN B (FA-02)	Vendor			Y													
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1B-AK00-00090	FIRE ALARM AND DETECTION SYSTEM - COVER SHEET (FA-C1)	Vendor			Y													
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1B-AK00-00091	FIRE ALARM AND DETECTION SYSTEM - INFORMATION SHEET (FA-C2)	Vendor			Y													
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1B-AK00-00092	FIRE ALARM AND DETECTION SYSTEM - DETAIL SHEET (FA-D1)	Vendor			Y													
MECH-1	NA	Approval	Mechanical	Calculation	25542-000-V1B-AK00-00093	MATERIAL AND HYDRAULIC CALCULATION	Vendor			Y													
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1B-AK00-00094	SPRINKLER DRAWING AND DETAILS - HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
MECH-1	NA	Reference	Mechanical	Drawing	25542-000-V1B-AK00-00175	HVAC - CARRIER 50 PMS	Vendor																
MECH-1	NA	Reference	Mechanical	Drawing	25542-000-V1B-AK00-00176	HVAC - CARRIER 50 AS	Vendor																
MECH-1	NA	Reference	Mechanical	Drawing	25542-000-V1B-AK00-00177	HVAC - MICROMET ERV	Vendor																
MECH-1	NA	Reference	Mechanical	Data Sheet	25542-000-V1B-AK00-00185	SPRINKLER SYSTEM EQUIPMENT DATA SHEETS	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AK00-00243	HELIOSTAT UNLOADING AREA SPRINKLER PLAN (FP1)	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AK00-00244	HELIOSTAT UNLOADING AREA SPRINKLER PLAN DETAILS (FP2)	Vendor			Y													
MECH-1		Approval	Mechanical	Data Sheet	25542-000-V1B-AK00-00245	VIKING SPRINKLER HEAD DATA SHEET	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AK00-00246	HELIOSTAT UNLOADING AREA SPRINKLER CALCULATION	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AK00-00263	FIRE ALARM SUBMITTAL	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00034	FIRE PROTECTION - PLANT SERVICES BUILDING	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00035	FIRE PROTECTION - PLANT SERVICES BUILDING	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00036	FIRE PROTECTION - PLANT SERVICES BUILDING	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00037	FIRE PROTECTION - PLANT SERVICES BUILDING	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00038	FIRE PROTECTION - PLANT SERVICES BUILDING	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00044	PLANT SERVICES BUILDING PLUMBING LEGEND AND NOTES AND DIAGRAMS	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00045	PLANT SERVICES BUILDING PLUMBING UNDERGROUND PLAN	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00046	PLUMB PLANT SERVICES BUILDING PLUMBING ABOVE GROUND PLAN	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-MESW-00128	FORM UNIT 1, AND 2 NAME PLATE FOR HP FWH 5	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-MESW-00129	FORM UNIT 1, AND 2 NAME PLATE FOR HP FWH 6	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1A-MESW-00133	ASME CERTIFIED - HIGH PRESSURE NBR 5 AND 6 - DESIGN ENGINEER LETTER	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00047	PLANT SERVICE BUILDING - ELECTRICAL, GENERAL NOTES, LEGEND AND ABBREVIATIONS	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00048	PLANT SERVICE BUILDING - LIGHTING CALCULATIONS	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00050	PLANT SERVICE BUILDING - ELECTRICAL LIGHTING PLAN	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00051	PLANT SERVICE BUILDING - ELECTRICAL POWER AND DATA PLAN	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1B-AKBX-00053	PLANT SERVICE BUILDING - ELECTRICAL ROOF PLAN	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00054	PLANT SERVICE BUILDING - ELECTRICAL SINGLE LINE DIAGRAM AND PANEL SCHEDULES	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00055	PLANT SERVICE BUILDING - ELECTRICAL DETAILS	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00056	PLANT SERVICES BUILDING - SERVICE BUILDINGS	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-ERG0-00002	BASE DESIGN	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-ERG0-00003	LHC LID DESIGN CRITERIA	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1B-MUVE-00012	E-HOUSE TITLE PAGE AND DRAWING INDEX	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1B-MUVE-00001	E-HOUSE FLOOR AND CEILING PLANS	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1B-MUVE-00014	E-HOUSE ELECTRIC PLANS	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1B-MUVE-00015	E-HOUSE FINISH ELEVATIONS	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1B-MUVE-00016	E-HOUSE GROUND DETAILS WALL SECTION	Vendor			Y													
ELEC-1	6/15/2012	Approval	Mechanical	Document	25542-000-V1B-MUVE-00017	E-HOUSE HVAC PLAN/DETAILS/SCHEMATIC	Vendor			Y													

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
ELEC-1		Approval	Mechanical	Document	25542-000-V1B-MUVE-00018	E-HOUSE SINGLE LINE DIAGRAM AND SCHEMATIC	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1B-MUVE-00021	E-HOUSE FIRE ALARM PLAN AND SCHEMATIC	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1B-MUVE-00022	E-HOUSE INSTALLATION DRAWING	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1B-MUVE-00070	E-HOUSE CABLE TRAY PLAN AND DETAILS	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1B-MUVE-00025	E-HOUSE ENVIRONMENTAL AND MECHANICAL COMPLIANCE FORMS	Vendor			Y													
ELEC-1		Approval	Mechanical	Document	25542-000-V1B-MUVE-00026	E-HOUSE LIGHTING COMPLIANCE FORMS	Vendor			Y													
MECH-1		Reference	Mechanical	Document	25542-000-V1B-AKBS-00058	PLANT SERVICES BUILDING, PERCOLATION REPORT	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00066	FIRE PROTECTION - PLANT SERVICES BUILDING	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00081	FIRE PROTECTION - PLANT SERVICES BUILDING	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00082	FIRE PROTECTION - PLANT SERVICES BUILDING	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00083	FIRE PROTECTION - PLANT SERVICES BUILDING	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00084	FIRE PROTECTION - PLANT SERVICES BUILDING	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00283	FIRE PROTECTION - PLANT SERVICES BUILDING - COVER SHEET	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00284	FIRE PROTECTION - PLANT SERVICES BUILDING - MECHANICAL LAYOUT	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00285	FIRE PROTECTION - PLANT SERVICES BUILDING - ELECTRICAL LAYOUT	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00286	FIRE PROTECTION - PLANT SERVICES BUILDING - PANEL WIRIING DIAGRAM	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00287	FIRE PROTECTION - PLANT SERVICES BUILDING - DETAILS	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00288	FIRE PROTECTION - PLANT SERVICES BUILDING - GASEOUS FIRE SUPRESSION CALCULATIONS CABLE SPREADING ROOM - EAST	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00289	FIRE PROTECTION - PLANT SERVICES BUILDING - GASEOUS FIRE SUPRESSION CALCULATIONS CABLE SPREADING ROOM - WEST	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00290	FIRE PROTECTION - PLANT SERVICES BUILDING - GASEOUS FIRE SUPRESSION CALCULATIONS ELECTRICAL EQUIPMENT ROOM - 108 EAST	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00291	FIRE PROTECTION - PLANT SERVICES BUILDING - GASEOUS FIRE SUPRESSION CALCULATIONS ELECTRICAL EQUIPMENT ROOM - 108 WEST	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00312	FIRE PROTECTION - PLANT SERVICES BUILDING - GASEOUS FIRE SUPRESSION CALCULATIONS ELECTRICAL EQUIPMENT ROOM - 108 HIGH CEILING	Vendor			Y													
MECH-1		Approval	Mechanical	Document	25542-000-V1B-AKBS-00313	FIRE PROTECTION - PLANT SERVICES BUILDING - GASEOUS FIRE SUPRESSION CALCULATIONS BATTERY ROOM 109	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00006	PAD BUILDING LOADING DRAWING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00018	STRUC CALC 81X116 PAVILION PAD BONDING BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00021	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00023	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00024	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00025	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00026	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00027	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00028	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00029	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00030	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00031	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00099	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00100	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00105	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00106	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00107	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00108	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00109	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00110	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00111	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00112	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00113	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00114	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00115	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00116	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00117	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00118	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00119	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00120	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00121	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00122	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00123	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00124	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00125	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00126	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00127	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00128	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00129	PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00161	STATEMENT OF SPECIAL INSPECTIONS	Vendor			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00162	PAD BONDING BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00163	PAD BONDING BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00164	PAD BONDING BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00165	PAD BONDING BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00166	PAD BONDING BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00174	BOLT TORQUE AND SUBSTITUTION	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00005	HELIOSTAT ASSEMBLY BUILDING LOAD DRAWING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00020	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00022	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00042	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00043	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00044	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00045	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00046	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00047	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00048	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00049	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00050	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00051	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00052	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00053	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00054	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00055	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00056	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00057	STRUCTURAL CALCULATIONS - PAVILION HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00064	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00065	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00101	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00130	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00131	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00132	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00133	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00134	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00135	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00136	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00137	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00138	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00139	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00140	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00141	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00142	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00143	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00144	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00145	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00146	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00147	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00148	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00152	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00153	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00154	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00186	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00220	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00221	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00222	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00223	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00224	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00225	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00226	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AK00-00240	HELIOSTAT ASSEMBLY BUILDING - 81 X 116 FT PAVILION - RESPONSE TO PC2 CBO COMMENTS	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AK00-00241	HELIOSTAT ASSEMBLY BUILDING - 121 X 400 FT PAVILION - RESPONSE TO PC2 CBO COMMENTS	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00001	STRUCTURAL CALCULATIONS, GEM PSB	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00002	PSB GEM - STRUCTURAL DETAILS D1.1	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00003	PSB GEM - COLD FORM DETAILS D2.1	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00004	PSB GEM - SHEETING DETAILS D3.1	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00005	PSB - COVER SHEET G0.01	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00006	PSB - SPECIAL INSPECTION SCHEDULE G0.02	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00007	PSB - ANCHOR ROD PLAN G1.01	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00008	PSB - ROOF FRAMING PLAN G2.01	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00009	PSB - ROOF SHEETING PLAN G4.01	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00010	PSB - WALL ELEVATIONS G6.01	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00011	PSB - WALL SHEETING G7.01	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00012	PSB - WALL SHEETING G7.02	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00013	PSB - BUILDING CROSS SECTIONS G8.01	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00014	PLANT SERVICES BUILDING	Vendor			Y													
STRUC-1	6/15/2012	Approval	Civil	Document	25542-000-V1B-AKBS-00015	PLANT SERVICES BUILDING	Vendor			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00016	PLANT SERVICES BUILDING	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00017	PLANT SERVICES BUILDING	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00018	PLANT SERVICES BUILDING	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00019	PLANT SERVICES BUILDING	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00020	PLANT SERVICES BUILDING	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00021	PLANT SERVICES BUILDING	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00022	PLANT SERVICES BUILDING	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00023	PLANT SERVICES BUILDING	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00024	PSB - STRUCTURAL GENERAL NOTES S0.1	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00025	PSB - STRUCTURAL GENERAL NOTES S0.2	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00026	PSB - TYPICAL CONCRETE DETAILS S0.3	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00027	PSB - TYPICAL MASONRY DETAILS S0.4	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00028	PSB - TYPICAL LIGHT GAUGE METAL STEEL DETAILS S0.5	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00029	PSB - TYPICAL LIGHT GAUGE METAL STEEL DETAILS S0.6	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00030	PSB - STRUCTURAL FOUNDATION PLAN S2.1	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00031	PSB - STRUCTURAL CEILING FRAMING PLAN S2.2	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00032	PSB - FOUNDATION DETAILS S3.1	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00033	PSB - CONNECTION DETAILS S7.1	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00068	PSB - STRUCTURAL CALCULATIONS ATI	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00069	PSB - SHEETING DETAILS D3.2	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-DA00-00002	ELECTRICAL MANHOLE	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-DA00-00012	ELECTRICAL MANHOLE	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-DA00-00013	ELECTRICAL MANHOLE	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-DA00-00015	AIR RELEASE VAULT	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-DA00-00014	AIR RELEASE VAULT	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-DA00-00016	AIR RELEASE VAULT	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-DA00-00007	ELECTRICAL MANHOLE	Vendor			Y													
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-DA00-00011	ELECTRICAL MANHOLE	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-DA00-00017	ELECTRICAL MANHOLE M-104	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-DA00-00018	ELECTRICAL MANHOLE M-106	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-DA00-00019	ELECTRICAL MANHOLE M-108	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-DA00-00020	ELECTRICAL MANHOLE M-109	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-DA00-00021	ELECTRICAL MANHOLE M-103	Vendor			Y													
STRUC-1		Approval	Civil	Document	25542-000-V1B-MPGB-00016	CLYDE UNION - GA - TURBINE DRIVEN BOILER FEED PUMP SET	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1B-MPGB-00039	DRESSER - TURBINE OUTLINE FRAME - RD4	Vendor			N													
STRUC-1		Approval	Civil	Document	25542-000-V1B-MPGB-00005	GA DRAWINGS - DRESSER - SYSTEM ASSEMBLY - LUBE OIL SYSTEM	Vendor			N													
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUVE-00019	E-HOUSE STEEL FRAMING PLANS	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUVE-00020	E-HOUSE STEEL FRAMING ELEVATIONS	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUVE-00030	E-HOUSE STRUCTURAL CALCULATIONS	Vendor			Y													
MECH-1	NA	Approval	Civil	Document	25542-000-V1B-AKBS-00039	MECH - PSB	Vendor			Y													
MECH-1	NA	Approval	Civil	Document	25542-000-V1B-AKBS-00040	MECH - PSB	Vendor			Y													
MECH-1	NA	Approval	Civil	Document	25542-000-V1B-AKBS-00041	MECH - PSB	Vendor			Y													
MECH-1	NA	Approval	Civil	Document	25542-000-V1B-AKBS-00042	MECH - PSB	Vendor			Y													
MECH-1	NA	Approval	Civil	Document	25542-000-V1B-AKBS-00043	MECH - PSB	Vendor			Y													
MECH-1	NA	Approval	Civil	Document	25542-000-V1B-AKBS-00063	MECH - PSB	Vendor			Y													
MECH-1	NA	Approval	Civil	Document	25542-000-V1B-AKBS-00064	MECH - PSB	Vendor			Y													
MECH-1	NA	Approval	Civil	Document	25542-000-V1B-AKBS-00065	MECH - PSB	Vendor			Y													
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MBFD-00015	STRUCTURAL CALCS - GUYED STACK REACTIONS FOR SEISMIC AND WIND	Vendor			N													
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MBFD-00016	GUYED STACK REACTIONS FOR SEISMIC AND WIND	Vendor			N													
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MBFD-00022	GUY-WIRE ATTACHMENT PIPE RACK COLUMNS	Vendor			N													
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MBFD-00023	BOILER ANCHOR PLAN AND DETAILS	Vendor			N													
MECH-1		Approval	Civil	Document	25542-000-V1A-MVR0-00020	CBO REQUIRED DEAERATOR DOCUMENTATION	Vendor			Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-000-P4J-0000-000##	EMBEDDED/UG PIPING AND DRAINAGE NOTES, SYMBOLS AND DETAILS	Bechtel	Approved under MECH-1-1-1.03	23-Nov-10 A	N	#VALUE!		P020	23-Nov-10 A		0	0	0	0	0	0	0	0
MECH-1	G	Reference	Plant Design	Drawing	25542-009-P0-0000-00001 & -00	General Notes & Standard Details Embedded & Underground Piping	Bechtel		Jan-11	Y	0			Jan-11		0	0	0	0	0	0	0	1
MECH-1		Approval	Plant Design	Drawing	25542-009-P0-0000-00001	GENERAL NOTES AND STANDARD DETAILS - EMBEDDED AND UNDERGROUND PIPING	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-009-P0-0000-00002	GENERAL NOTES AND STANDARD DETAILS - EMBEDDED AND UNDERGROUND PIPING	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	2542-001-P1-1910-00001	GENERAL ARRANGEMENT AUX BOILER AREA PLAN EL 2879-0 (100-0)	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-001-P1-1910-00002	GA AUXILIARY BOILER AREA PLAN EL 2879-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-001-P1-1910-00003	GA AUXILIARY BOILER AREA PLAN EL 2879-0	Bechtel			Y													
MECH-1	NA	Reference	Plant Design	Drawing	25542-001-P1-2110-00001	GENERAL ARRANGEMENT TURBINE AREA PLAN EL 2879'-0" (100'-0" & 2890'-8" (111'-8")	Bechtel		Feb-11	Y	0		P012	Feb-11		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Plant Design	Drawing	25542-001-P1-2120-00001	GENERAL ARRANGEMENT TURBINE AREA PLAN EL 2905'-0" (126'-0")	Bechtel		Feb-11	Y	0		P012	Feb-11		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Plant Design	Drawing	25542-001-P1-2130-00001	GENERAL ARRANGEMENT TURBINE AREA PLAN 2917'-3" (138'-3")	Bechtel		Mar-11	Y	0		P010	Mar-11		0	0	0	0	0	0	0	0
MECH-1		Reference	Plant Design	Drawing	25542-001-P1-2140-00001	GENERAL ARRANGEMENT TURBINE AREA PLAN EL 2919-0	Bechtel			Y													
MECH-1	NA	Reference	Plant Design	Drawing	25542-001-P1-2190-00001	GENERAL ARRANGEMENT BOILER/TURBINE AREAS SECTION A-A	Bechtel		Mar-11	Y	0		P010	Mar-11		0	0	0	0	0	0	0	0
MECH-1		Reference	Plant Design	Drawing	25542-001-P1-0010-00001	PLOT PLAN POWER BLOCK UNIT 1	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-002-P1-0010-00001	PLOT PLAN POWER BLOCK UNIT 2	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-003-P1-0010-00001	PLOT PLAN POWER BLOCK UNIT 3	Bechtel			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1	NA	Reference	Plant Design	Drawing	25542-001-P1-1010-00001	GENERAL ARRANGEMENT SRSG TOWER PLAN EL. 2879'-0" (100'-0")	Bechtel		Mar-11	Y	0		P010	Mar-11		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Plant Design	Drawing	25542-001-P1-1020-00001	GENERAL ARRANGEMENT SRSG TOWER PLAN EL. 2899'-0" (120'-0")	Bechtel		Mar-11	Y	0		P010	Mar-11		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Plant Design	Drawing	25542-001-P1-1030-00001	GENERAL ARRANGEMENT SRSG TOWER PLAN EL. 2919'-0" (140'-0")	Bechtel		Mar-11	Y	0		P010	Mar-11		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Plant Design	Drawing	25542-001-P1-1040-00001	GENERAL ARRANGEMENT SRSG TOWER PLAN EL. 2959'-0" (180'-0")	Bechtel		Mar-11	Y	0		P010	Mar-11		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Plant Design	Drawing	25542-001-P1-1050-00001	GENERAL ARRANGEMENT SRSG TOWER PLAN EL. 3155'-0" (376'-0"), EL. 3174'-6" (395'-0") AND EL. 3194'-0" (415'-0")	Bechtel		Mar-11	Y	0		P013	Mar-11		0	0	0	0	0	0	0	0
MECH-1		Reference	plant design	Drawing	25542-001-P1-3710-00001	GENERAL ARRANGEMENT SWITCHYARD AREA PLAN EL 2879 FT - 0 IN (100 FT - 0 IN)	Bechtel			Y													
MECH-1		Reference	plant design	Drawing	25542-001-P1-3710-00002	GENERAL ARRANGEMENT SWITCHYARD AREA PLAN EL 2879 FT - 0 IN (100 FT - 0 IN)	Bechtel			Y													
MECH-1		Reference	plant design	Drawing	25542-001-P1-3710-00003	GENERAL ARRANGEMENT SWITCHYARD AREA PLAN EL 2879 FT - 0 IN (100 FT - 0 IN)	Bechtel			Y													
MECH-1	NA	Approval	plant design	Drawing	25542-001-P1-3710-00004	GENERAL ARRANGEMENT SWITCHYARD AREA PLAN EL 2879 FT - 0 IN (100 FT - 0 IN)	Bechtel			Y													
MECH-1		Reference	plant design	Drawing	25542-001-P1-7110-00001	GA WT AREA PLAN EL 2879-0 (100FT-0IN)	Bechtel			Y													
MECH-1		Reference	plant design	Drawing	25542-001-P1-7110-00002	GA WT AREA PLAN EL 2879-0 (100FT-0IN)	Bechtel			Y													
MECH-1		Reference	plant design	Drawing	25542-001-P1-7110-00003	GA WT AREA PLAN EL 2879-0 (100FT-0IN)	Bechtel			Y													
MECH-1		Reference	plant design	Drawing	25542-001-P1-7110-00004	GA WT AREA PLAN EL 2879-0 (100FT-0IN)	Bechtel			Y													
MECH-1	NA	Reference	Plant Design	Drawing	25542-001-P1-7210-00001, -000	GENERAL ARRANGEMENT-AIR COOLED CONDENSER PLAN AT EL. 2879'-0" (100'-0")	Bechtel		Mar-11		0		P013	Mar-11		0	0	0	0	0	0	0	0
MECH-1		Reference	plant design	Drawing	25542-001-P1-7210-00001	ACC AREA GENERAL ARRANGEMENT PLAN EL 2879-0	Bechtel			Y													
MECH-1	NA	Reference	plant design	Drawing	25542-001-P1-7210-00002	ACC AREA GENERAL ARRANGEMENT PLAN EL 2879-0	Bechtel			Y													
MECH-1	NA	Reference	plant design	Drawing	25542-001-P1-7210-00003	ACC AREA GENERAL ARRANGEMENT PLAN EL 2879-0	Bechtel			Y													
MECH-1	NA	Reference	Plant Design	Drawing	25542-000-P1-1910-000##	GENERAL ARRANGEMENT-AUXILIARY BOILER PLAN AT GRADE	Bechtel		Jun-11		-60		P011	Apr-11		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Plant Design	Drawing	25542-000-P1-1990-000##	GENERAL ARRANGEMENT-AUXILIARY BOILER SECTIONS & DETAILS	Bechtel		Jun-11		-60		P011	Apr-11		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Plant Design	Drawing	25542-000-P1-7110-000##	GENERAL ARRANGEMENT-WATER TREATMENT AREA PLAN AT GRADE	Bechtel		Jun-11		-165		P015	Dec-10		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Plant Design	Drawing	25542-000-P1-7190-000##	GENERAL ARRANGEMENT-WATER TREATMENT AREA SECTIONS & DETAILS	Bechtel		Jun-11		-165		P015	Dec-10		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Plant Design	Drawing	25542-000-P1-7910-000##	GENERAL ARRANGEMENT-OILY WATER SEPARATOR PLAN AT GRADE	Bechtel		Jun-11		-165		P015	Dec-10		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Plant Design	Drawing	25542-000-P1-7990-000##	GENERAL ARRANGEMENT-OILY WATER SEPARATOR SECTIONS & DETAILS	Bechtel		Jun-11		-165		P015	Dec-10		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Plant Design	Drawing	25542-000-P1-3710-000##	GENERAL ARRANGEMENT-EMERGENCY DIESEL GENERATOR PLAN AT GRADE	Bechtel		Jun-11		-102		P014	Feb-11		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Plant Design	Drawing	25542-000-P1-3790-000##	GENERAL ARRANGEMENT-EMERGENCY DIESEL GENERATOR SECTIONS & DETAILS	Bechtel		Jun-11		-102		P014	Feb-11		0	0	0	0	0	0	0	0
MECH-1		Reference	Plant Design	Drawing	25542-002-P1-1010-00001	GA SRSG TOWER PLAN EL 3029-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-002-P1-1020-00001	GA SRSG TOWER PLAN EL 3049-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-002-P1-1030-00001	GA SRSG TOWER PLAN EL 3069-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-002-P1-1040-00001	GA SRSG TOWER PLAN EL 3109-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-002-P1-1050-00001	GA SRSG TOWER PLAN EL 3305-0, EL 3324-6 AND EL 3344-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-002-P1-1910-00001	GENERAL ARRANGEMENT AUX BOILER AREA PLAN EL 3029-0 (100-0)	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-002-P1-1910-00002	GENERAL ARRANGEMENT AUX BOILER AREA PLAN EL 3029-0 (100-0)	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-002-P1-1910-00003	GENERAL ARRANGEMENT AUX BOILER AREA PLAN EL 3029-0 (100-0)	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-002-P1-2110-00001	GA-TURBINE AREA PLAN EL 3029-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-002-P1-2120-00001	GA-TURBINE AREA PLAN EL 3040-8	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-002-P1-2130-00001	GA-TURBINE AREA PLAN EL 3055-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-002-P1-2140-00001	GA-TURBINE AREA PLAN EL 3069-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-002-P1-2190-00001	GA - TURBINE -BOILER AREA SECTION A-A	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-002-P1-3710-00001	GA SWITCHYARD AREA PLAN EL 3029-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-002-P1-3710-00002	GA SWITCHYARD AREA PLAN EL 3029-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-002-P1-3710-00003	GA SWITCHYARD AREA PLAN EL 3029-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-002-P1-3710-00004	GA SWITCHYARD AREA PLAN EL 3029-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-002-P1-7110-00001	GA WATER TREATMENT AREA EL 3029-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-002-P1-7110-00002	GA WATER TREATMENT AREA EL 3029-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-002-P1-7110-00003	GA WATER TREATMENT AREA EL 3029-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-002-P1-7110-00004	GA WATER TREATMENT AREA EL 3029-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-002-P1-7210-00001	GA AIR COOLED CONDENSER AREA PLAN EL 3029-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-002-P1-7210-00002	AIR COOLED CONDENSER AREA GA PLAN EL 3029-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-002-P1-7210-00003	AIR COOLED CONDENSER AREA GA PLAN EL 3029-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-003-P1-3710-00001	GA SWITCHYARD AREA PLAN EL 3188-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-003-P1-3710-00002	GA SWITCHYARD AREA PLAN EL 3188-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-003-P1-3710-00003	GA SWITCHYARD AREA PLAN EL 3188-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-003-P1-3710-00004	GA SWITCHYARD AREA PLAN EL 3188-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-003-P1-7110-00001	GA WATER TREATMENT AREA EL 3188-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-003-P1-7110-00002	GA WATER TREATMENT AREA EL 3188-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-003-P1-7110-00003	GA WATER TREATMENT AREA EL 3188-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-003-P1-7110-00004	GA WATER TREATMENT AREA EL 3188-0	Bechtel			Y													
MECH-1	6/15/2012	Reference	Plant Design	Drawing	25542-003-P1-7210-00001	GA AIR COOLED CONDENSER AREA PLAN EL 3188-0	Bechtel			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1		Reference	Plant Design	Drawing	25542-003-P1-7210-00002	AIR COOLED CONDENSER AREA GA PLAN EL 3188-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-003-P1-7210-00003	AIR COOLED CONDENSER AREA GA PLAN EL 3188-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-003-P1-1010-00001	GA SRSG TOWER PLAN EL 3188-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-003-P1-1020-00001	GA SRSG TOWER PLAN EL 3208-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-003-P1-1030-00001	GA SRSG TOWER PLAN EL 3228-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-003-P1-1040-00001	GA SRSG TOWER PLAN EL 3268-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-003-P1-1050-00001	GA SRSG TOWER PLAN EL 3464-0, EL 3483-6 AND EL 3503-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-003-P1-1910-00001	GA-AUX BOILER AREA PLAN EL 3188-0 (100-0)	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-003-P1-1910-00002	GA-AUX BOILER AREA PLAN EL 3188-0 (100-0)	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-003-P1-1910-00003	GA-AUX BOILER AREA PLAN EL 3188-0 (100-0)	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-003-P1-2110-00001	GA-TURBINE AREA PLAN EL 3188-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-003-P1-2120-00001	GA-TURBINE AREA PLAN EL 3199-8	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-003-P1-2130-00001	GA-TURBINE AREA PLAN EL 3214-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-003-P1-2140-00001	GA-TURBINE AREA PLAN EL 3228-0	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-003-P1-2190-00001	GA-TURBINE-BOILER AREA SECTION A-A	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-009-P1-0010-00001	PLOT PLAN COMMON AREA	Bechtel			Y													
MECH-1		Reference	Plant Design	Drawing	25542-009-P1-7610-00001	GA-COMMON AREA FIRE-RAW WATER LAYOUT PLAN EL 3001-0	Bechtel			Y													
MECH-1	NA	Reference	Plant Design	Drawing	25542-009-P1-7610-000##	GENERAL ARRANGEMENT- COMMON AREA PLAN AT GRADE	Bechtel		Jun-11		-102		P016	Feb-11		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Plant Design	Drawing	25542-009-P1-7690-000##	GENERAL ARRANGEMENT- COMMON AREA PLAN AT GRADE	Bechtel		Jun-11		-102		P016	Feb-11		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Plant Design	Drawing	25542-009-P1-7510-000##	GENERAL ARRANGEMENT-COMMON AREA SECTIONS & DETAILS	Bechtel		Jun-11		-102		P016	Feb-11		0	0	0	0	0	0	0	0
		Approval	Plant Design	Drawing	25542-001-P30-AB-00027	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00028	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00029	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00030	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00031	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00032	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00033	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00034	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00035	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00036	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00037	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00038	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00039	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00040	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - FROM HRH TO LP BYPASS	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00041	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - LP BYPASS TO ACC DUCT	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00048	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00050	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00067	LARGE BORE PIPING - MAIN STEAM SYSTEM - LP BYPASS TO ACC DUCT	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00068	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - BYPASS/BYPASS FROM HRH TO LP BYPASS	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00071	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - LP BYPASS TO ACC DUCT	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00080	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - AUXILIARY STEAM TO HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00081	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - AUXILIARY STEAM TO HRH	Bechtel			Y													
MECH-1	6/15/2012 G	Approval	Plant Design	Drawing	25542-001-P30-AB-00001 to -00	ISOMETRICS (LARGE BORE)-MAIN STEAM - HOT REHEAT - SUPERATOR OUTLET TO STEAM TURBINE	Bechtel	MECH-1-1-196	22-Nov-10 A	Y	#VALUE!		P022	22-Nov-10 A		0	0	0	0	0	0	0	0

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P30-AE-00001 to -00	ISOMETRICS (LARGE BORE)-FEEDWATER - DEAERATOR OUTLET TO BOILER FEED WATER PUMP SUCTION	Bechtel		Mar-11	N	0		P023	Mar-11		0	0	0	0	0	0	0	0
MECH-1		Approval	Plant Design	Calculation	25542-000-P6C-AB-00002	MAIN STEAM SYSTEM - HOT REHEAT STEAM AND IP BY-PASS - STRESS CALCULATION	Bechtel			Y													
MECH-1	G	Reference	Plant Design	Calculation	25542-000-P6C-AE-00002	AE SYSTEM - FEEDWATER SUCTION FROM DEAERATOR TO MAIN AND STARTUP BOILER FEED PUMPS	Bechtel			Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00001	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00002	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00003	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00004	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00005	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00006	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00009	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00010	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00044	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00047	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00050	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-001-P31-AE-00060	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM				Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00027	LARGE BORING PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00028	LARGE BORING PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00029	LARGE BORING PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00030	LARGE BORING PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00031	LARGE BORING PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00032	LARGE BORING PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00033	LARGE BORING PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00034	LARGE BORING PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00035	LARGE BORING PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00036	LARGE BORING PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00037	LARGE BORING PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00038	LARGE BORING PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00039	LARGE BORING PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00040	LARGE BORING PIPING ISOMETRIC - MAIN STEAM SYSTEM - FROM HRH TO LP BYPASS	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00041	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - LP BYPASS TO ACC DUCT	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00048	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00050	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00067	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - LP BYPASS TO ACC DUCT	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00068	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - BYPASS/BYPASS FROM HRH TO LP BYPASS	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00071	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - LP BYPASS TO ACC DUCT	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00080	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - AUXILIARY STEAM TO HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00081	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - AUXILIARY STEAM TO HRH	Bechtel			Y													

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1		Approval	Plant Design	Drawing	25542-002-P31-AE-00001	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P31-AE-00002	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P31-AE-00003	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P31-AE-00004	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P31-AE-00005	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P31-AE-00006	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P31-AE-00009	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P31-AE-00010	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P31-AE-00044	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P31-AE-00047	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P31-AE-00050	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-002-P31-AE-00060	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00001	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00002	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00003	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00004	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00005	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00006	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00007	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00008	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00009	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00010	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00011	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00012	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00013	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00014	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00015	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00016	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00017	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00018	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00019	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00020	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00021	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00022	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00023	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00024	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00025	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00026	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00027	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00028	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00029	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00030	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00031	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00032	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00033	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00034	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00035	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00036	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00037	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00038	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00039	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00040	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00041	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00042	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00043	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00044	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00045	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00046	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00047	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00048	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00049	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00050	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00051	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00052	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00053	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00054	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00055	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1	NA	Approval	Plant Design	Drawing	25542-002-P35-PF-00056	UNDERGOUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 2	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P30-AB-00027	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P30-AB-00028	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P30-AB-00029	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P30-AB-00030	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P30-AB-00031	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P30-AB-00032	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P30-AB-00033	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P30-AB-00034	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P30-AB-00035	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P30-AB-00036	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P30-AB-00037	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P30-AB-00038	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P30-AB-00039	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P30-AB-00040	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - FROM HRH TO LP BYPASS	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P30-AB-00041	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - FROM LP BYPASS TO ACC DUCT	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P30-AB-00042	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - AUXILIARY STEAM TO HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P30-AB-00048	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - HRH FROM SRSG TO STEAM TURBINE	Bechtel			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1		Approval	Plant Design	Drawing	25542-003-P30-AB-00050	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - LP BYPASS TO ACC DUCT	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P30-AB-00067	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - LP BYPASS TO ACC DUCT	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P30-AB-00068	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - BYPASS/BYPASS FROM HRH TO LP BYPASS	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P30-AB-00071	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - LP BYPASS TO ACC DUCT	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P30-AB-00080	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - AUXILIARY STEAM TO HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P30-AB-00081	LARGE BORE PIPING ISOMETRIC - MAIN STEAM SYSTEM - AUXILIARY STEAM TO HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P31-AE-00001	LARGE BORE PIPING ISOMETRIC - FEED WATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P31-AE-00002	LARGE BORE PIPING ISOMETRIC - FEED WATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P31-AE-00003	LARGE BORE PIPING ISOMETRIC - FEED WATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P31-AE-00004	LARGE BORE PIPING ISOMETRIC - FEED WATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P31-AE-00005	LARGE BORE PIPING ISOMETRIC - FEED WATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P31-AE-00006	LARGE BORE PIPING ISOMETRIC - FEED WATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P31-AE-00009	LARGE BORE PIPING ISOMETRIC - FEED WATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P31-AE-00010	LARGE BORE PIPING ISOMETRIC - FEED WATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P31-AE-00044	LARGE BORE PIPING ISOMETRIC - FEED WATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P31-AE-00047	LARGE BORE PIPING ISOMETRIC - FEED WATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P31-AE-00050	LARGE BORE PIPING ISOMETRIC - FEED WATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P31-AE-00060	LARGE BORE PIPING ISOMETRIC - FEED WATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00001	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00002	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00003	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00004	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00005	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00006	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00007	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00008	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00009	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00010	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00011	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00012	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00013	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00014	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00015	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00016	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00017	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00018	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00019	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00020	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00021	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00022	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00023	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00024	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00025	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00026	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00027	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1	6/15/2012	Approval	Plant Design	Drawing	25542-003-P35-PF-00028	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00029	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00030	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00031	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00032	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00033	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00034	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00037	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00038	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00039	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00040	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00041	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00042	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00043	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00044	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00045	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00046	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00047	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00048	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00049	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00050	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00051	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00052	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00053	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00054	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00055	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1		Approval	Plant Design	Drawing	25542-003-P35-PF-00056	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 3	Bechtel			Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P31-FG-00001	LARGE BORE PIPING ISOMETRIC - NATURAL GAS SYSTEM - PIGGING STATION	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P31-FG-00002	LARGE BORE PIPING ISOMETRIC - NATURAL GAS SYSTEM - PIGGING STATION	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P31-FG-00003	LARGE BORE PIPING ISOMETRIC - NATURAL GAS SYSTEM - PIGGING STATION	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P31-FG-00004	LARGE BORE PIPING ISOMETRIC - NATURAL GAS SYSTEM - PIGGING STATION	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P31-FG-00005	LARGE BORE PIPING ISOMETRIC - NATURAL GAS SYSTEM - PIGGING STATION	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P31-FG-00006	LARGE BORE PIPING ISOMETRIC - NATURAL GAS SYSTEM - PIGGING STATION	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P31-FG-00007	LARGE BORE PIPING ISOMETRIC - NATURAL GAS SYSTEM - PIGGING STATION	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P31-FG-00008	LARGE BORE PIPING ISOMETRIC - NATURAL GAS SYSTEM - PIGGING STATION	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00001	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00002	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00003	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00004	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00005	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00006	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00007	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00008	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00009	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00010	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00011	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00012	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00013	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00014	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00015	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00016	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00017	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00018	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00019	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00020	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00021	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00022	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00023	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00024	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00025	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00026	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00027	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00028	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00029	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00030	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00031	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00032	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00033	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00034	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00035	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00036	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00037	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00038	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00039	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00040	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00041	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00042	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00043	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00044	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00045	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00046	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00047	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00048	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00049	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00050	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00051	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00052	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00053	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00054	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00055	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00056	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00057	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00058	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00059	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00060	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00061	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00062	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00063	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00064	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00065	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00066	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00067	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00068	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00069	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00070	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00071	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													

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MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00072	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00073	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00074	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00075	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00076	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00077	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00078	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00079	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00080	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00081	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00082	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00083	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00084	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00085	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00086	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00087	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00088	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00089	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00090	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00091	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00092	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00093	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00094	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													

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MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00095	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00096	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00097	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00098	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00099	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00100	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00101	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00102	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00103	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00104	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00105	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00106	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00107	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00108	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00109	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00110	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00111	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00112	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00113	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00114	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00115	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00116	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00117	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													

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MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00118	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00119	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00120	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00121	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00122	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00123	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00124	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00125	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00126	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00127	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00128	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00129	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00130	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00131	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00132	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00133	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00134	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00135	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00136	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00137	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00138	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00139	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00140	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00141	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00142	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00143	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00144	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00145	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00146	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00147	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 , 2 AND 3	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00148	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 , 2 AND 3	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00149	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 , 2 AND 3	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00150	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 , 2 AND 3	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00151	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 , 2 AND 3	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00152	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 , 2 AND 3	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00153	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 , 2 AND 3	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00154	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 , 2 AND 3	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00155	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 , 2 AND 3	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00156	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 , 2 AND 3	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00157	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 , 2 AND 3	Bechtel	piping system for CBO to review Bechtel pipe design process		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00158	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 3	Bechtel	piping system for CBO to review Bechtel pipe design process		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00159	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 4	Bechtel	piping system for CBO to review Bechtel pipe design process		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00160	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 5	Bechtel	piping system for CBO to review Bechtel pipe design process		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00161	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 6	Bechtel	piping system for CBO to review Bechtel pipe design process		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00162	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 7	Bechtel	piping system for CBO to review Bechtel pipe design process		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00163	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 8	Bechtel	piping system for CBO to review Bechtel pipe design process		Y													

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00164	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 9	Bechtel	piping system for CBO to review Bechtel pipe design process		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00165	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 10	Bechtel	piping system for CBO to review Bechtel pipe design process		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00166	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 11	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00167	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 12	Bechtel	Representative piping system for		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00168	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 13	Bechtel	Representative piping system for		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00169	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 14	Bechtel	Representative piping system for		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00170	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 15	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00171	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 16	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00172	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 17	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00173	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 18	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00174	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 19	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00175	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 20	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00176	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 21	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00177	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 22	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00178	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 23	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00179	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 24	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00180	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 25	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00181	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 26	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00182	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 27	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00183	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 28	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00184	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 29	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00185	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 30	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00186	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 31	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00187	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 32	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00188	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 33	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00189	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 34	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00190	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 35	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00191	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 36	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00192	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 37	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00193	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 38	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00194	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 39	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00195	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 40	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00196	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 41	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00197	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 42	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00198	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 43	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00300	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 44	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00301	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 45	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00302	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 46	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00303	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 47	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00304	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 48	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00305	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 49	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00306	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 50	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00307	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 51	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00308	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 52	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00309	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 53	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00310	UNDERGROUND PIPING ISOMETRIC - NATRUAL GAS SYSTEM TO UNITS 1, 2, AND 54	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00199	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00200	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00201	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00202	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00203	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00204	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00205	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00206	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00207	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00208	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00209	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00210	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00211	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00212	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00213	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00214	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00215	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00216	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00217	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00218	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00219	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00220	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00221	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P34-FG-00222	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00258	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 3	Bechtel			Y													
MECH-1	6/15/2012	Approval	Plant Design	Drawing	25542-009-P34-FG-00259	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 3	Bechtel			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00260	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 3	Bechtel			Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-FG-00001 to -00	ISOMETRICS (LARGE BORE)-FUEL GAS - (UNDERGROUND)	Bechtel	MECH-1-1-1.02 & -1.10 (U-2), U-3 Dec 10, Kern River	23-Nov-10 A	Y	#VALUE!		P020	23-Nov-10 A		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Plant Design	Drawing	25542-000-P35-PF-000##	ISOMETRICS (LARGE BORE)-FIRE PROTECTION YARD FIRE LOOP (UNDERGROUND)	Bechtel	MECH-1-1-1.07 & 1.08	22-Nov-10 A	Y	#VALUE!		P021	22-Nov-10 A		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00001	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00002	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00003	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00004	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00005	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00006	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00007	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00008	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00009	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00010	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00011	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00012	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00013	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00014	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00015	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00016	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00017	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00018	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00019	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00020	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00021	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00022	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00023	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00024	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00025	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00026	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00027	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00028	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00029	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00030	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00031	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00032	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00033	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00034	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00035	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00036	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00037	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00038	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00039	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00040	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00041	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00042	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00043	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00044	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00045	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00046	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00047	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00048	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00049	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00050	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00051	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00052	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00053	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00054	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P35-PF-00055	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM UNIT 1	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00001	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00002	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00003	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00004	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00005	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00006	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00007	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00008	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00009	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00010	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00011	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00012	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00013	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00014	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00015	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00016	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00017	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00018	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00019	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00020	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00021	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00022	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00023	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00024	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00025	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00026	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00027	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00028	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00029	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00030	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00031	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00032	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00033	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00034	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00035	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00036	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00037	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00038	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00039	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00040	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00041	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00042	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00043	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00044	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00045	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00046	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00047	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00048	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00049	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00050	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00051	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00052	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00053	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00054	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00055	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00056	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00057	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00058	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00059	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00060	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00061	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00062	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00063	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00064	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00065	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00066	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00067	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00068	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00069	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00070	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00071	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00072	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00073	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00074	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00075	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00076	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00077	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00078	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00079	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00080	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00081	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00082	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00083	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00084	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00085	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00086	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-PF-00087	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe		Y													
MECH-1	G	Approval	Plant Design	QA/QC Plans	25542-000-V1A-PS02-000##	PIPING FABRICATOR QA/QC Plans	Vendor	Representative piping system for CBO to review Bechtel pipe	21-Oct-10 A	Y	#VALUE!		P030	21-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Plant Design	Stress Calc.	25542-000-P6C-AB-00002	STRESS CALCULATION FOR HOT REHEAT PIPE SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe	22-Nov-10 A	Y	#VALUE!		P022	22-Nov-10 A		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00*** to -00***	PIPE SUPPTS FOR HOT REHEAT PIPE SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe	22-Nov-10 A	N	#VALUE!		P022	22-Nov-10 A		0	0	0	0	0	0	0	0
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00011	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00021	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00031	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00041	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00051	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00061	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00071	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00081	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00091	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00101	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00111	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00121	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00131	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00141	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00151	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00381	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00391	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00401	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00411	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00421	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00431	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00441	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00451	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00461	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00911	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00851	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00861	PIPE SUPPORTS	Bechtel			Y													
MECH-1		Approval	Plant Design	Calculation	25542-000-PHC-AB-00002	PIPE SUPPORT QUALIFICATION CALCULATION	Bechtel			Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-000-P3-AB-000##	PIPE ISOMETRIC DRAWINGS FOR HOT REHEAT PIPE SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe	22-Nov-10 A	N	#VALUE!		P022	22-Nov-10 A		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Plant Design	Stress Calc.	25542-000-P6-AE-000##	STRESS CALCULATION FOR FEEDWATER PIPE SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe	Mar-11	N	0		P023	Mar-11		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-000##	PIPE SUPPTS FOR FEEDWATER PIPE SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe	Mar-11		0		P023	Mar-11		0	0	0	0	0	0	0	0
MECH-1		Reference	Plant Design	Calculation	25542-000-PHC-AE-00002	PIPE SUPPORT CALCULATION	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01001	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01011	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01021	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01031	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01041	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01042	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01051	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01052	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01061	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01071	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01072	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01081	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01091	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01092	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01101	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01102	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01111	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01121	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01131	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01141	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01151	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01152	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01161	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01162	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01171	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01181	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01182	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01191	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01201	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01211	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01221	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01222	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01231	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01241	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01251	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01261	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01271	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01281	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AE-01282	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00011	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00021	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00031	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00041	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00051	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00061	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00071	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00081	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00091	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00101	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00111	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00121	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00131	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00141	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00151	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00381	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00391	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00401	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00411	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00421	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00431	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00441	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00451	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00461	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00911	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00851	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AB-00861	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1	6/15/2012	Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01001	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01011	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01021	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01031	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01041	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01042	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01051	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01052	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01061	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01071	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01072	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01081	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01091	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01092	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01101	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01102	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01111	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01121	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01131	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01141	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01151	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01152	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01161	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01162	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01171	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01181	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01182	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01191	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01201	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01211	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01221	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01222	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01231	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01241	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01251	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01261	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01271	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01281	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-002-PH-AE-01282	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00011	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00021	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00031	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00041	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00051	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00061	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00071	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00081	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00091	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00101	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00111	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00121	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00131	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00141	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00151	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00381	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00391	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00401	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00411	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00421	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00431	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00441	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00451	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1	6/15/2012	Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00461	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00911	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00851	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AB-00861	LARGE BORE PIPE SUPPORT - MAIN STEAM SYSTEM - HRH	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01001	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01011	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01021	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01031	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01041	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01042	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01051	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01052	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01061	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01071	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01072	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01081	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01091	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01092	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01101	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01102	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01111	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01121	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01131	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01141	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01151	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01152	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01161	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01162	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01171	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01181	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01182	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01191	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01201	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01211	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01221	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01222	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01231	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
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MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01251	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01261	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01271	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01281	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1		Approval	Plant Design	Pipe Suppt	25542-003-PH-AE-01282	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-000-P3-AE-000##	PIPE ISOMETRIC DRAWINGS FOR FEEDWATER PIPE SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe	Mar-11	Y	0		P023	Mar-11		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Plant Design	Specification	25542-000-3DS-P72G-00012	PIPE INSULATION THICKNESS SCHEDULE	Bechtel		17-Aug-10 A	Y	#VALUE!		P024	17-Aug-10 A		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Control Systems	Document	25542-000-V1A-JA34-000##	BOILER SAMPLE PANEL ENCLOSURE STRUCTURAL DESIGN CALCULATIONS	Vendor		Jul-11		0		J010	Jul-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Control Systems	Drawing	25542-000-V1A-JA34-000##	BOILER SAMPLE PANEL ENCLOSURE STRUCTURE DRAWING	Vendor		Jul-11		0		J010	Jul-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Control Systems	Drawing	25542-000-V1A-JA34-000##	BOILER SAMPLE PANEL ENCLOSURE FOUNDATION LOAD AND INTERFACE DRAWING	Vendor		Jul-11		0		J010	Jul-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Control Systems	Document	25542-000-V1A-JA34-000##	DEMIN WATER SAMPLE PANEL ENCLOSURE STRUCTURAL DESIGN CALCULATIONS	Vendor		Jul-11		0		J010	Jul-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Control Systems	Drawing	25542-000-V1A-JA34-000##	DEMIN WATER SAMPLE PANEL ENCLOSURE STRUCTURE DRAWING	Vendor		Jul-11		0		J010	Jul-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Control Systems	Drawing	25542-000-V1A-JA34-000##	DEMIN WATER SAMPLE PANEL ENCLOSURE FOUNDATION LOAD AND INTERFACE DRAWING	Vendor		Jul-11		0		J010	Jul-11		0	0	0	0	0	0	0	0
STRUC-1		Approval	Control Systems	Drawing	25542-000-V1A-JA34-00025	STRUCTURAL DRAWING	Vendor			Y													
STRUC-1		Approval	Control Systems	Drawing	25542-000-V1A-JA34-00026	STRUCTURAL DRAWING	Vendor			Y													
STRUC-1		Approval	Control Systems	Calculation	25542-000-V1A-JA34-00064	SAMPLE AND ANALYSIS SYSTEM - SHELTER STRUCTURAL CALC	Vendor			Y													
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AB-00001	P&ID MAIN STEAM SYSTEM (HP STEAM)	Bechtel		06-Oct-10 A	Y	#VALUE!	Mar-11	M010	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AB-00002	P&ID MAIN STEAM SYSTEM (CRH STEAM)	Bechtel		06-Oct-10 A	Y	#VALUE!	Mar-11	M010	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AB-00003	P&ID MAIN STEAM SYSTEM (HRH STEAM)	Bechtel		06-Oct-10 A	Y	#VALUE!	Mar-11	M010	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AD-00001	P&ID CONDENSATE SYSTEM (PUMPS)	Bechtel		10-Nov-10 A	Y	#VALUE!	Mar-11	M011	10-Nov-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AD-00002	P&ID CONDENSATE SYSTEM (SPRAYS)	Bechtel		10-Nov-10 A	Y	#VALUE!	Mar-11	M011	10-Nov-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AD-00003	P&ID CONDENSATE SYSTEM (FW HEATERS)	Bechtel		10-Nov-10 A	Y	#VALUE!	Mar-11	M011	10-Nov-10 A		0	0	0	0	0	0	0	0

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AD-00004	P&ID CONDENSATE SYSTEM (ACC STEAM DUCT)	Bechtel		10-Nov-10 A	Y	#VALUE!	Mar-11	M011	10-Nov-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AD-00005	P&ID CONDENSATE SYSTEM (INTERNAL DRAINS)	Bechtel		10-Nov-10 A	Y	#VALUE!	Mar-11	M011	10-Nov-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AD-00006	P&ID CONDENSATE SYSTEM (EXTERNAL DRAINS)	Bechtel		10-Nov-10 A	Y	#VALUE!	Mar-11	M011	10-Nov-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AE-00001	P&ID FEEDWATER SYSTEM (PUMP SUCTION)	Bechtel		06-Oct-10 A	Y	#VALUE!	Mar-11	M012	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AE-00002	P&ID FEEDWATER SYSTEM (PUMP DISCHARGE)	Bechtel		06-Oct-10 A	Y	#VALUE!	Mar-11	M012	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AE-00003	P&ID FEEDWATER SYSTEM (FW HEATERS)	Bechtel		06-Oct-10 A	Y	#VALUE!	Mar-11	M012	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AE-00001	P&ID FEEDWATER SYSTEM (PUMP SUCTION)	Bechtel		06-Oct-10 A		#VALUE!	Mar-11	M012	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AE-00002	P&ID FEEDWATER SYSTEM (PUMP DISCHARGE)	Bechtel		06-Oct-10 A		#VALUE!	Mar-11	M012	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AE-00003	P&ID FEEDWATER SYSTEM (FW HEATERS)	Bechtel	SIMILAR FOR UNIT 3	06-Oct-10 A		#VALUE!	Mar-11	M012	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AF-00001	P&ID EXTRACTION STEAM SYSTEM (LP FWH NO 1)	Bechtel		06-Oct-10 A	Y	#VALUE!	Mar-11	M013	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AF-00002	P&ID EXTRACTION STEAM SYSTEM (LP FWH NO 2)	Bechtel		06-Oct-10 A	Y	#VALUE!	Mar-11	M013	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AF-00003	P&ID EXTRACTION STEAM SYSTEM (DEAERATOR FWH NO 3)	Bechtel		06-Oct-10 A	Y	#VALUE!	Mar-11	M013	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	G	Reference	Mechanical	P&ID	25542-001-M6-AF-00004	P&ID EXTRACTION STEAM SYSTEM (BOILER FEED PUMP TURBINE)	Bechtel			Y													
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AF-00005	P&ID EXTRACTION STEAM SYSTEM (HP FWH NO 5)	Bechtel		06-Oct-10 A	Y	#VALUE!	Mar-11	M013	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AF-00006	P&ID EXTRACTION STEAM SYSTEM (HP FWH NO 6)	Bechtel		06-Oct-10 A	Y	#VALUE!	Mar-11	M013	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AF-00001	P&ID EXTRACTION STEAM SYSTEM (LP FWH NO 1)	Bechtel		06-Oct-10 A		#VALUE!	Mar-11	M013	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AF-00002	P&ID EXTRACTION STEAM SYSTEM (LP FWH NO 2)	Bechtel		06-Oct-10 A		#VALUE!	Mar-11	M013	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AF-00003	P&ID EXTRACTION STEAM SYSTEM (DEAERATOR FWH NO 3)	Bechtel		06-Oct-10 A		#VALUE!	Mar-11	M013	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AF-00004	P&ID EXTRACTION STEAM SYSTEM (HP FWH NO 4)	Bechtel	SIMILAR FOR UNIT 3	06-Oct-10 A		#VALUE!	Mar-11	M013	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AF-00005	P&ID EXTRACTION STEAM SYSTEM (HP FWH NO 5)	Bechtel		06-Oct-10 A		#VALUE!	Mar-11	M013	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AF-00006	P&ID EXTRACTION STEAM SYSTEM (HP FWH NO 6)	Bechtel		06-Oct-10 A		#VALUE!	Mar-11	M013	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-PA-00003	P&ID CONDENSATE AND FEEDWATER CHEMICAL INJECTION SYSTEM	Bechtel		06-Oct-10 A	Y	#VALUE!	Mar-11	M014	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AJ-00001	P&ID CONDENSATE AND FEEDWATER CHEMICAL INJECTION SYSTEM - OXYGEN SCAVENGER	Bechtel			Y													
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AJ-00002	P&ID CONDENSATE AND FEEDWATER CHEMICAL INJECTION SYSTEM	Bechtel		06-Oct-10 A	Y	#VALUE!	Mar-11	M014	06-Oct-10 A		0	0	0	0	0	0	0	0
~~MECH-1~~	~~NA~~	~~Reference~~	~~Mechanical~~	~~P&ID~~	~~25542-001-M6-AR-00001~~	~~P&ID CONDENSER AIR REMOVAL SYSTEM~~	~~Bechtel~~	~~Delete~~	~~Nov-10~~		0			Nov-10		0	0	0	0	0	1	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-BM-00001	P&ID BLOWDOWN SYSTEM	Bechtel		Jun-11	Y	#VALUE!	Mar-11	M015	29-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-FG-00001	P&ID - FUEL GAS SYSTEM	Bechtel			Y													
MECH-1	NA	Reference	Mechanical	P&ID	25542-009-M6-FG-00001	P&ID FUEL GAS SYSTEM	Bechtel		21-Sep-10 A	Y	#VALUE!	Mar-11	M016	21-Sep-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-FL-00001	P&ID LUBE OIL SYSTEM	Bechtel		Mar-11		0	Mar-11	M017	Mar-11		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-PA-00001	P&ID COMPRESSED AIR SYSTEM (AIR COMPRESSORS, RECEIVERS, DRYERS)	Bechtel		07-Oct-10 A	Y	#VALUE!	Mar-11	M018	07-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-PA-00002	P&ID COMPRESSED AIR SYSTEM (SERVICE AIR DISTRIBUTION)	Bechtel		07-Oct-10 A	Y	#VALUE!	Mar-11	M018	07-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-PA-00003	P&ID COMPRESSED AIR SYSTEM (INSTRUMENT AIR DISTRIBUTION)	Bechtel		07-Oct-10 A	Y	#VALUE!	Mar-11	M018	07-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-PG-00001	P&ID SERVICE GAS SYSTEM	Bechtel		06-Oct-10 A	Y	#VALUE!	Mar-11	M019	06-Oct-10 A		0	0	0	0	0	0	0	0

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1	NA	Approval	Mechanical	P&ID	25542-001-M6-PF-00001	P&ID FIRE PROTECTION SYSTEM	Bechtel		16-Sep-10 A	Y	#VALUE!		M020X	16-Sep-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Approval	Mechanical	P&ID	25542-001-M6-PF-00002	P&ID FIRE PROTECTION SYSTEM	Bechtel		16-Sep-10 A	Y	#VALUE!		M020X	16-Sep-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Approval	Mechanical	P&ID	25542-009-M6-PF-00001	P&ID FIRE PROTECTION SYSTEM	Bechtel		16-Sep-10 A	Y	#VALUE!		M020	16-Sep-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Approval	Mechanical	P&ID	25542-009-M6-PF-00002	P&ID FIRE PROTECTION SYSTEM	Bechtel		16-Sep-10 A	Y	#VALUE!		M020	16-Sep-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Approval	Mechanical	P&ID	25542-001-M6-PW-00001	P&ID POTABLE WATER SYSTEM	Bechtel		21-Sep-10 A	Y	#VALUE!		M021X	21-Sep-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Approval	Mechanical	P&ID	25542-001-M6-PW-00002	P&ID POTABLE WATER SYSTEM	Bechtel		21-Sep-10 A	Y	#VALUE!		M021X	21-Sep-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Approval	Mechanical	P&ID	25542-009-M6-PW-00001	P&ID POTABLE WATER SYSTEM	Bechtel		21-Sep-10 A	Y	#VALUE!		M021	21-Sep-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Approval	Mechanical	P&ID	25542-009-M6-PW-00002	P&ID POTABLE WATER SYSTEM	Bechtel		21-Sep-10 A	Y	#VALUE!		M021	21-Sep-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-SA-00001	P&ID AUXILIARY STEAM SYSTEM (NIGHT PRESERVATION BOILER)	Bechtel		06-Oct-10 A	Y	#VALUE!	Mar-11	M022	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-SA-00002	P&ID AUXILIARY STEAM SYSTEM (AUXILIARY BOILER)	Bechtel		06-Oct-10 A	Y	#VALUE!	Mar-11	M022	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-SA-00003	P&ID AUXILIARY STEAM SYSTEM	Bechtel		06-Oct-10 A	Y	#VALUE!	Mar-11	M022	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-SD-00001	P&ID BOILER FEED PUMP TURBINE	Bechtel		06-Oct-10 A	Y	#VALUE!	Mar-11	M023	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-SD-00002	P&ID BOILER FEED PUMP TURBINE	Bechtel		Apr-11	Y	#VALUE!	Mar-11	M023	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-SL-00001	P&ID STEAM SEAL SYSTEM	Bechtel		06-Oct-10 A	Y	#VALUE!	Mar-11	M024	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-TL-00001	P7ID WSAC CHEMICAL INJECTION SYSTEM	Bechtel			Y													
MECH-2	NA	Reference	Mechanical	P&ID	25542-001-M6-TL-00002	P7ID WSAC CHEMICAL INJECTION SYSTEM	Bechtel			Y													
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-WB-00001	P&ID CLOSED COOLING WATER SYSTEM	Bechtel		06-Oct-10 A	Y	#VALUE!	Mar-11	M025	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-WB-00002	P&ID CLOSED COOLING WATER SYSTEM	Bechtel		06-Oct-10 A	Y	#VALUE!	Mar-11	M025	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-WB-00003	P&ID CLOSED COOLING WATER SYSTEM	Bechtel		06-Oct-10 A	Y	#VALUE!	Mar-11	M025	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-WD-00001	P&ID DEMINERALIZED WATER SYSTEM	Bechtel			Y													
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-WR-00001	P&ID RAW WATER SYSTEM	Bechtel		06-Oct-10 A	Y	#VALUE!	Mar-11	M026	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-009-M6-WR-00001	P&ID RAW WATER SYSTEM	Bechtel		06-Oct-10 A	Y	#VALUE!	Mar-11	M026	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-WS-00001	P&ID SERVICE WATER SYSTEM	Bechtel		06-Oct-10 A	Y	#VALUE!	Mar-11	M027	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-WY-00001	P&ID MIRROR WASH WATER SYSTEM	Bechtel		06-Oct-10 A	Y	#VALUE!	Mar-11	M028	06-Oct-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-XW-00001	P&ID WASTE WATER SYSTEM	Bechtel		Jun-11	Y	#VALUE!	Mar-11	M029	10-Nov-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-XW-00002	P&ID WASTE WATER SYSTEM	Bechtel		Jun-11	Y	#VALUE!	Mar-11	M029	10-Nov-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-XW-00003	P&ID WASTE WATER SYSTEM	Bechtel		Jun-11	Y	#VALUE!	Mar-11	M029	10-Nov-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-000-M6J-YA-00001	P&ID SYMBOLS AND LEGENDS	Bechtel		16-Sep-10 A	Y	#VALUE!	Jan-00	M020	16-Sep-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-000-M6J-YA-00002	P&ID SYMBOLS AND LEGENDS	Bechtel		16-Sep-10 A	Y	#VALUE!	Jan-00	M020	16-Sep-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-000-M6J-YA-00003	P&ID SYMBOLS AND LEGENDS	Bechtel		16-Sep-10 A	Y	#VALUE!	Jan-00	M020	16-Sep-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-000-M6J-YA-00004	P&ID SYMBOLS AND LEGENDS	Bechtel		16-Sep-10 A	Y	#VALUE!	Jan-00	M020	16-Sep-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	P&ID	25542-000-M6J-YA-00005	P&ID SYMBOLS AND LEGENDS	Bechtel		16-Sep-10 A	Y	#VALUE!	Jan-00	M020	16-Sep-10 A		0	0	0	0	0	0	0	0
MECH-1	NA	Approval	Mechanical	P&ID	25542-002-M6-PF-00001	FIRE PROTECTION SYSTEM	Bechtel			Y													
MECH-1	NA	Approval	Mechanical	P&ID	25542-002-M6-PF-00002	FIRE PROTECTION SYSTEM	Bechtel			Y													
MECH-1	NA	Approval	Mechanical	P&ID	25542-002-M6-PW-00001	POTABLE WATER SYSTEM	Bechtel			Y													
MECH-1	NA	Approval	Mechanical	P&ID	25542-002-M6-PW-00002	POTABLE WATER SYSTEM	Bechtel			Y													
MECH-1	NA	Approval	Mechanical	P&ID	25542-002-M6-WR-00001	RAW WATER SYSTEM	Bechtel			Y													
MECH-1	NA	Approval	Mechanical	P&ID	25542-002-M6-WS-00001	SERVICE WATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Mechanical	P&ID	25542-003-M6-AB-00001	MAIN STEAM SYSTEM (HP STEAM)	Bechtel			Y													
MECH-1	6/15/2012	Approval	Mechanical	P&ID	25542-003-M6-AB-00002	MAIN STEAM SYSTEM (CRH STEAM)	Bechtel			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1		Approval	Mechanical	P&ID	25542-003-M6-AB-00003	MAIN STEAM SYSTEM (HRH STEAM)	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AD-00001	CONDENSATE SYSTEM (PUMPS)	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AD-00002	CONDENSATE SYSTEM (SPRAYS)	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AD-00003	CONDENSATE SYSTEM (FW HEATERS)	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AD-00004	CONDENSATE SYSTEM (ACC STEAM DUCT)	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AD-00005	CONDENSATE SYSTEM (INTERNAL DRAINS)	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AD-00006	CONDENSATE SYSTEM (EXTERNAL DRAINS)	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AE-00001	FEEDWATER SYSTEM (PUMP SUCTION)	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AE-00002	FEEDWATER SYSTEM (PUMP DISCHARGE)	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AE-00003	FEEDWATER SYSTEM (FW HEATRES)	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AF-00001	EXTRACTION STEAM SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AF-00002	EXTRACTION STEAM SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AF-00003	EXTRACTION STEAM SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AF-00004	EXTRACTION STEAM SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AF-00005	EXTRACTION STEAM SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AF-00006	EXTRACTION STEAM SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AJ-00001	CONDENSATE AND FEEDWATER CHEMICAL INJECTION SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AJ-00002	CONDENSATE AND FEEDWATER CHEMICAL INJECTION SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-BM-00001	BLOWDOWN SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-FG-00001	FUEL GAS SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-FL-00001	LUBE OIL SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-PA-00001	COMPRESSED AIR SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-PA-00002	COMPRESSED AIR SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-PA-00003	COMPRESSED AIR SYSTEM	Bechtel			Y													
MECH-1		Approval	Mechanical	P&ID	25542-003-M6-PF-00001	FIRE PROTECTION SYSTEM	Bechtel			Y													
MECH-1		Approval	Mechanical	P&ID	25542-003-M6-PF-00002	FIRE PROTECTION SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-PG-00001	SERVICE GAS SYSTEM	Bechtel			Y													
MECH-1		Approval	Mechanical	P&ID	25542-003-M6-PW-00001	POTABLE WATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Mechanical	P&ID	25542-003-M6-PW-00002	POTABLE WATER SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-SA-00001	AUXILIARY STEAM SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-SA-00002	AUXILIARY STEAM SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-SA-00003	AUXILIARY STEAM SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-SD-00001	BOILER FEED PUMP TURBINE	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-SL-00001	STEAM SEAL SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-SL-00002	STEAM SEAL SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-TL-00001	WSAC CHEMICAL INJECTION SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-TL-00002	WSAC CHEMICAL INJECTION SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-WB-00001	CLOSED COOLING WATER SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-WB-00002	CLOSED COOLING WATER SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-WB-00003	CLOSED COOLING WATER SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-WD-00001	DEMINERALIZED WATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Mechanical	P&ID	25542-003-M6-WR-00001	RAW WATER SYSTEM	Bechtel			Y													
MECH-1		Approval	Mechanical	P&ID	25542-003-M6-WS-00001	SERVICE WATER SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-WY-00001	MIRROR WASGH SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-XW-00001	WASTE WASTER SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-XW-00002	WASTE WASTER SYSTEM	Bechtel			Y													
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-XW-00003	WASTE WASTER SYSTEM	Bechtel			Y													
MECH-1	G	Approval	Plant Design	Specification	25542-000-3PS-PH06-G0002	TECHNICAL SPEC FOR INTALLATION OF PIPE SUPPORTS	Bechtel			Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-000-PH-00-0001-1	PIPE SUPPORT DRAWING, SHEET 1 - STATEMENT OF SPECIAL INSPECTIONS	Bechtel			Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-000-PH-00-0001-2	PIPE SUPPORT DRAWING, SHEET 2 - STATEMENT OF SPECIAL INSPECTIONS	Bechtel			Y													
MECH-1	G	Approval	Plant Design	Drawing	25542-000-PH-00-0001-3	PIPE SUPPORT DRAWING, SHEET 3 - STATEMENT OF SPECIAL INSPECTIONS	Bechtel			Y													
MECH-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG GENERAL ARRANGEMENT DRAWINGS	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11	0	0	0	0	0	0	0	0
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG FEED PIPING ARRANGEMENT	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11	0	0	0	0	0	0	0	0
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG FEED PIPING DETAILS	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11	0	0	0	0	0	0	0	0
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG LEFT AND RIGHT SW PANELS	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11	0	0	0	0	0	0	0	0
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG CORNER PANELS	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11	0	0	0	0	0	0	0	0
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG FRONT AND REAR WALL PANELS	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11	0	0	0	0	0	0	0	0
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG PANEL INLET AND OUTLET HEADERS	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11	0	0	0	0	0	0	0	0
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG STEAM DRUM DETAILS	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11	0	0	0	0	0	0	0	0
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG STEAM DRUM INTERNAL ARRANGEMENT AND DETAILS	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11	0	0	0	0	0	0	0	0
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	TUBING, HEADERS & PIPING REQS	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11	0	0	0	0	0	0	0	0
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SH PANEL INLET AND OUTLET HEADERS	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11	0	0	0	0	0	0	0	0
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	HTSH OUTLET HEADER	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11	0	0	0	0	0	0	0	0
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	LOWER LEVEL SH PIIPNG & FDR TUBE DTLS	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11	0	0	0	0	0	0	0	0
MECH-1	G 6/15/2012	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	UPPER LEVEL SH PIIPNG & REL TUBE DTLS	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11	0	0	0	0	25542-000-GMX-GEG-00002	0	0	

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SH SPRAY PIPE AND LINER	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	LOWER LEVEL RH PIPING ARRANGEMENT	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	UPPER LEVEL RH PIPING ARRANGEMENT	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	RH PANEL INLET & OUTLER HEADERS	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	MISC PIPING - DRUM, SUPPORTS / BOM	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SV STACKS, SUPPORTS & SILENCERS	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SPRING HANGERS & SUPPORTS	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	BOILER NAMEPLATE	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	AS-BUILTS	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	MISC FW ATTACHMENTS	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG PIPING AND INSTRUMENTATION DIAGRAMS	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Mechanical	List	25542-000-V1A-MBST-000##	INSTRUMENT LIST	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Mechanical	List	25542-000-V1A-MBST-000##	ELECTRICAL LOAD LIST	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Mechanical	List	25542-000-V1A-MBST-000##	ELECTRICAL HEAT TRACE POWER LIST	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	INSTRUMENT LOCATION DRAWINGS	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	ELECTRICAL EQUIPMENT LAYOUT	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	INSTRUMENT INSTALLATION DETAILS	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	Document	25542-000-V1A-MBST-000##	ISO CERTIFICATE OR QUALITY ASSURANCE MANUAL	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	Document	25542-000-V1A-MBST-000##	OVERALL PROJECT SCHEDULE	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	Document	25542-000-V1A-MBST-000##	SUPPLIER QUALITY MANAGEMENT PROGRAM	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
~~MECH-1~~		~~Approval~~	~~Mechanical~~	~~Drawing~~	25542-000-V1A-MBST-000##	~~Column baseplate locations on the SRSG support platform (elevation 359 ft. above grade)~~	~~Vendor~~	~~No PE stamp – ASME certification~~	~~Nov-10~~		~~0~~			~~Nov-10~~		~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~1~~	~~0~~	~~0~~
~~MECH-1~~		~~Approval~~	~~Mechanical~~	~~Drawing~~	25542-000-V1A-MBST-000##	~~NTE column loads and loading~~	~~Vendor~~	~~No PE stamp – ASME certification~~	~~Nov-10~~		~~0~~			~~Nov-10~~		~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~1~~	~~0~~	~~0~~
~~MECH-1~~		~~Approval~~	~~Mechanical~~	~~Drawing~~	25542-000-V1A-MBST-000##	~~Proposed framed steam arrangement and model (STAAD Model)~~	~~Vendor~~	~~No PE stamp – ASME certification~~	~~Nov-10~~		~~0~~			~~Nov-10~~		~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~1~~	~~0~~	~~0~~
~~MECH-1~~		~~Approval~~	~~Mechanical~~	~~Drawing~~	25542-000-V1A-MBST-000##	~~Structural Steel Standard Detail Drawings~~	~~Vendor~~	~~No PE stamp – ASME certification~~	~~Nov-10~~		~~0~~			~~Nov-10~~		~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~1~~	~~0~~	~~0~~
~~MECH-1~~		~~Approval~~	~~Mechanical~~	~~Document~~	25542-000-V1A-MBST-000##	~~Stairway interface locations and loads~~	~~Vendor~~	~~No PE stamp – ASME certification~~	~~Nov-10~~		~~0~~			~~Nov-10~~		~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~1~~	~~0~~	~~0~~
~~MECH-1~~		~~Approval~~	~~Mechanical~~	~~Document~~	25542-000-V1A-MBST-000##	~~Final Anchor bolt sizes & locations for boiler support sturcture to boiler tower interface~~	~~Vendor~~	~~No PE stamp – ASME certification~~	~~Nov-10~~		~~0~~			~~Nov-10~~		~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~1~~	~~0~~	~~0~~
~~MECH-1~~		~~Approval~~	~~Mechanical~~	~~Document~~	25542-000-V1A-MBST-000##	~~Steel Framing Design~~	~~Vendor~~	~~No PE stamp – ASME certification~~	~~Nov-10~~		~~0~~			~~Nov-10~~		~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~1~~	~~0~~	~~0~~
~~MECH-1~~		~~Approval~~	~~Mechanical~~	~~Document~~	25542-000-V1A-MBST-000##	~~Structural and miscellaneous steel drawings.~~	~~Vendor~~	~~No PE stamp – ASME certification~~	~~Nov-10~~		~~0~~			~~Nov-10~~		~~0~~	~~0~~	~~0~~	~~0~~	~~0~~	~~1~~	~~0~~	~~0~~
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG PIPING ARRANGEMENT DRAWINGS	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	KEY PLAN, INCLUDES ARRANGEMENT OF PUMPS, HOIST AND OTHER MAJOR EQUIPMENT	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	HOISTS ARRANGEMENT DRAWINGS	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	BOILER HANGER ASSEMBLY LUGS ARRANGEMENT DRAWING	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	List	25542-000-V1A-MBST-000##	LINE LIST	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	List	25542-000-V1A-MBST-000##	WELD LIST	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	CONCEPTUAL BLOCK DIAGRAM	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	ELECTRICAL WIRING DIAGRAMS	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Mechanical	Document	25542-000-V1A-MBST-000##	ELECTRONIC SUBMITTAL DATA - CABLES	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	Document	25542-000-V1A-MBST-000##	BOILER PERFORMANCE TEST PROCEDURE	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	Document	25542-000-V1A-MBST-000##	NARRATIVE DESCRIBING DEGREE OF SHOP ASSEMBLY AND ERECTION PHILOSOPHY	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	DRAWINGS FOR LIFTING AND TILTING BEAMS	Vendor	No PE stamp - ASME certification	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MBFD-000##	AUXILIARY BOILER ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp - ASME certification	Jul-11		0		M100	Jul-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MBFD-000##	AUXILIARY BOILER GENERAL ARRANGMENT / LAYOUT	Vendor	No PE stamp - ASME certification	Jun-11		0		C010	Jun-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBFD-000##	AUXILIARY BOILER FOUNDATION INTERFACE DRAWING (INCLUDING CALCULATION)	Vendor	No PE stamp - ASME certification	Jun-11		0		C010	Jun-11		0	0	0	0	0	0	0	0
MECH-2	NA	Approval	Mechanical	Document	25542-000-V2A-MBFD-000##	NIGHT PRESERVATION BOILER ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp - ASME certification	Jun-11		0		M106	Jun-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V2A-MBFD-000##	NIGHT PRESERVATION BOILER GENERAL ARRANGMENT / LAYOUT	Vendor	No PE stamp - ASME certification	Jul-11		0		C011	Jul-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Mechanical	Drawing	25542-000-V2A-MBFD-000##	NIGHT PRESERVATION BOILER FOUNDATION INTERFACE DRAWING	Vendor	No PE stamp - ASME certification	Jul-11		0		C011	Jul-11		0	0	0	0	0	0	0	0

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
MECH-2	NA	Approval	Mechanical	Document	25542-000-V1A-MBHS-000##	ELECTRICAL SUPERHEATER ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp	Jun-11		0		M101	Jun-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MBHS-000##	ELECTRICAL SUPERHEATER SUPERHEATER GENERAL ARRANGEMENT	Vendor		Jul-11		0		C012	Jul-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MBHS-000##	ELECTRICAL SUPERHEATER FOUNDATION INTERFACE DRAWING	Vendor		Jul-11		0		C012	Jul-11		0	0	0	0	0	0	0	0
MECH-2	NA	Approval	Mechanical	Document	25542-000-V1A-MCRA-000##	AIR COMPRESSOR, AIR RECEIVERS AND AIR DRYERS ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp - certification will suffice	Jun-11		-79		M102	Apr-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MCRA-000##	AIR COMPRESSOR GENERAL ARRANGMENT (INCLUDES FOUNDATION INTERFACE DETAILS)	Vendor		Jun-11		0		C013	Jun-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MCRA-000##	AIR DRYER GENERAL ARRANGMENT (INCLUDES FOUNDATION INTERFACE DETAILS)	Vendor		Jun-11		0		C013	Jun-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MCRA-000##	AIR RECEIVER GENERAL ARRANGEMENT (INCLUDES FOUNDATION INTERFACE DETAILS)	Vendor		Jun-11		0		C013	Jun-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MEAA-000##	ACC GENERAL ARRANGEMENT	Vendor		Jun-11		#VALUE!		C014	02-Feb-11 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MEAA-000##	ACC FOUNDATION INTERFACE DRAWING	Vendor		Jun-11		#VALUE!		C014	02-Feb-11 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Mechanical	Document	25542-000-V1A-MEAA-000##	ACC ATTACHMENT DETAILS, LOADS (SNOW, WIND, SEISMIC, ETC.), AND MOVEMENTS CALCULATIONS	Vendor		Jun-11		#VALUE!		C014	02-Feb-11 A		0	0	0	0	0	0	0	0
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MEAA-000##	ACC ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp - certification will	01-Jul-11*		#VALUE!		M103	01-Jul-11*		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Mechanical	Document	25542-000-V1A-MEAA-000##	ACC STRUCTURAL DESIGN CALCULATIONS	Vendor		Jun-11		#VALUE!		C014	02-Feb-11 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Mechanical	Document	25542-000-V1A-MEAA-000##	ACC STATEMENT OF SPECIAL INSPECTIONS	Bechtel		Jun-11		#VALUE!		C014	02-Feb-11 A		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Mechanical	Resume	25542-000-V1A-MEAA-000##	PE RESUME	Vendor		Jun-11		#VALUE!		C014	02-Feb-11 A		0	0	0	0	0	0	0	0
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MEAW-000##	WSAC GENERAL ARRANGEMENT	Vendor		Mar-11		0		C015	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MEAW-000##	WSAC FOUNDATION INTERFACE DRAWING	Vendor		Mar-11		0		C015	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Mechanical	Resume	25542-000-V1A-MEAW-000##	WSAC PE RESUME	Vendor		Mar-11		0		C015	Mar-11		0	0	0	0	0	0	0	0
STRUC-1		Approval	Mechanical	Calculation	25542-000-V1A-MEAW-00113	STRUC CALC FOR WSAC MODEL	Vendor			N													
STRUC-1		Approval	Mechanical	Drawing	25542-000-V1A-MEAW-00011	PIPING EQUIPMENTOUTLINE AND ANCHOR BOLT PLAN MODEL	Vendor			N													
STRUC-1		Approval	Mechanical	Drawing	25542-000-V1A-MEAW-00012	WSAC MODEL4416XL PROPYLENE GLYCOL COOLER GENERAL ARRANGEMENT	Vendor			N													
STRUC-1		Approval	Mechanical	Drawing	25542-000-V1A-MEAW-00013	WSAC MODEL4416XL PROPYLENE GLYCOL COOLER GENERAL ARRANGEMENT	Vendor			N													
STRUC-1		Approval	Mechanical	Drawing	25542-000-V1A-MEAW-00014	WSAC MODEL4416XL PROPYLENE GLYCOL COOLER GENERAL ARRANGEMENT	Vendor			N													
STRUC-1		Approval	Mechanical	Drawing	25542-000-V1A-MEAW-00015	WSAC MODEL4416XL PROPYLENE GLYCOL COOLER GENERAL ARRANGEMENT	Vendor			N													
STRUC-1		Approval	Mechanical	Drawing	25542-000-V1A-MEAW-00037	STRUC CALCS AND RECOMMENDATIONS	Vendor			N													
STRUC-1		Approval	Mechanical	Calculation	25542-000-V1A-MEAW-00065	WSAC MODEL4416XL PROPYLENE GLYCOL COOLER GENERAL ARRANGEMENT	Vendor			N													
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MESW-000##	FEED WATER HEATERS ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp - ASME certification	Jun-11		#VALUE!		M105	01-Aug-11*		0	0	0	0	0	0	0	0
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MESW-000##	FEED WATER HEATERS GENERAL ARRANGEMENT DRAWING	Vendor		Jun-11		#VALUE!		C016	22-Nov-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MESW-000##	FEED WATER HEATERS FOUNDATION INTERFACE DRAWING	Vendor		Jun-11		#VALUE!		C016	22-Nov-10 A		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Mechanical	Resume	25542-000-V1A-MESW-000##	PE RESUME	Vendor		Jun-11		#VALUE!		C016	22-Nov-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MGED-000##	DIESEL GENERATOR SYSTEM GENERAL ARRANGEMENT (INCL FOUNDATION LOAD DATA, ENCLOSURE INFORMATION)	Vendor		Jun-11		-59		C017	Apr-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MGED-000##	DIESEL GENERATOR STRUCTURAL CALCULATION	Vendor		Jun-11		-59		C017	Apr-11		0	0	0	0	0	0	0	0
STRUC-4	NA	Approval	Mechanical	Drawing	25542-000-V1A-MGED-000##	DIESEL TANK GENERAL ARRANGEMENT AND CALCULATION	Vendor		Jun-11		-59		C017	Apr-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MGED-000##	EMERGENCY DIESEL GENERATOR FOUNDATION	Vendor		Jun-11		-59		C017	Apr-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MGED-000##	PE RESUME	Vendor		Jun-11		-59		C017	Apr-11		0	0	0	0	0	0	0	0
AQSC-9	NA	Approval	Mechanical	Document	25542-000-V1A-MGED-000##	DIESEL ENGINE SPECIFICATION (CUT SHEET) FOR CPM	Vendor	No PE stamp	01-Jul-11*		#VALUE!		M104	01-Jul-11*		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Mechanical	Document	25542-000-V1A-MGED-000##	DIESEL GENERATOR ONE LINE DIAGRAM	Vendor		Jun-11		#VALUE!		M114	22-Dec-10 A		0	0	0	0	0	0	0	0
AQ-35	NA	Approval	Mechanical	Document	25542-000-V1A-MGED-000##	DIESEL ENGINE HOUR TIMER SPECIFICATION FOR CPM	Vendor	No PE stamp	Jun-11		#VALUE!		M114	22-Dec-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Reference	Civil	Drawing	25542-000-V1A-MPGF-000##	FIRE WATER PUMP GENERAL ARRANGEMENT (INCL FOUNDATION LOAD DATA)	Vendor		Mar-11		0		C018	Mar-11		0	0	0	0	0	0	0	0
STRUC-4	G	Approval	Mechanical	Drawing	25542-000-V1A-MPGF-000##	FIRE WATER PUMP DIESEL TANK GENERAL ARRANGEMENT AND CALCULATION	Vendor		Mar-11		0		C018	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MPGF-000##	PE RESUME	Vendor		Mar-11		0		C018	Mar-11		0	0	0	0	0	0	0	0
AQSC-9	NA	Approval	Mechanical	Document	25542-000-V1A-MPGF-000##	FIRE WATER PUMP DIESEL ENGINE SPECIFICATION (CUT SHEET) FOR CPM	Vendor	No PE stamp	Jun-11		0		M112	Jun-11		0	0	0	0	0	0	0	0
AQ-27	NA	Approval	Mechanical	Document	25542-000-V1A-MPGF-000##	FIRE WATER PUMP HOUR TIMER SPECIFICATION FOR CPM	Vendor	No PE stamp	10-Jan-11 A		#VALUE!		M115	10-Jan-11 A		0	0	0	0	0	0	0	0
STRUC-4	NA	Reference	Mechanical	Drawing	25542-000-V1A-MPPM-000##	CHEMICAL FEED SKIDS GENERAL ARRANGEMENT DRAWINGS	Vendor		Jul-11		0		C045	Jul-11		0	0	0	0	0	0	0	0
MECH-2	NA	Approval	Mechanical	Document	25542-000-V1A-MSXF-000##	FUEL GAS HEATER ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp - certification will	Jun-11		0		M107	Jun-11		0	0	0	0	0	0	0	0
MECH-2	NA	Approval	Mechanical	Document	25542-000-V1A-MSXF-000##	FUEL GAS KNOCKOUT DRUM ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp - certification will	Jun-11		0		M107	Jun-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-EYM0-00001	JENSEN PRECAST 10X10X10 ELECTRICAL MANHOLE, YM105	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-EYM0-00002	JENSEN PRECAST 8X8X10 ELECTRICAL MANHOLE, YM107	Vendor			Y													
STRUC-1	NA	Reference	Civil	Drawing	25542-000-V1A-MSXF-000##	KNOCK OUT DRUM GENERAL ARRANGEMENT (INCL FOUNDATION INTERFACE DATA)	Vendor		Jul-11		0		C020	Jul-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Reference	Civil	Drawing	25542-000-V1A-MSXF-000##	FUEL GAS ELECTRIC HEATER GENERAL ARRANGEMENT (INCL FOUNDATION INTERFACE DATA)	Vendor		Jul-11		0		C019	Jul-11		0	0	0	0	0	0	0	0

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MT00-000##	FIELD ERECTED TANK GENERAL DRAWING (INCL FOUNDATION INTERFACE DATA) - RAW/FIRE WATER STORAGE TANK	Vendor		Jun-11		-113		C021	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-MT00-000##	CODE DESIGN CALCULATIONS - RAW/FIRE WATER STORAGE TANK	Vendor		Jun-11		-113		C021	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MT00-000##	FIELD ERECTED TANK GENERAL DRAWING (INCL FOUNDATION INTERFACE DATA) - DEMINERALIZED WATER STORAGE TANK	Vendor		Jun-11		-93		C023	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-MT00-000##	CODE DESIGN CALCULATIONS - DEMINERALIZED WATER STORAGE TANK	Vendor		Jun-11		-93		C023	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MT00-000##	FIELD ERECTED TANK GENERAL DRAWING (INCL FOUNDATION INTERFACE DATA) - MIRROR WASH WATER STORAGE TANK	Vendor		Jun-11		-92		C022	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-MT00-000##	CODE DESIGN CALCULATIONS - MIRROR WASH WATER STORAGE TANK	Vendor		Jun-11		-92		C022	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MT00-000##	PE RESUME	Vendor		Jun-11		-113		C021	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-MTSC-000##	SRSG BLOWDOWN TANK GENERAL ARRANGEMENT (INCL FOUNDATION INTERFACE DATA)	Vendor		Jun-11		-101		C042	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-MTSC-000##	SRSG FLASH TANK GENERAL ARRANGEMENT (INCL FOUNDATION INTERFACE DATA)	Vendor		Jun-11		-101		C042	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-MTSC-000##	CLOSED COOLING WATER CHEMICAL FEED TANK GENERAL ARRANGEMENT (INCL FOUNDATION INTERFACE DATA)	Vendor		Jun-11		-101		C042	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-MTSC-000##	CLOSED COOLING WATER HEAD TANK LOAD DATA	Vendor		Jun-11		-101		C042	Mar-11		0	0	0	0	0	0	0	0
MECH-2	NA	Approval	Mechanical	Document	25542-000-V1A-MTSC-000##	ASME CODE COMPLIANCE DOCUMENTS (PRESSURE VESSEL)	Vendor	No PE stamp - certification will	May-11		0		M108	May-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MTSC-000##	PE RESUME	Vendor		Jun-11		0		C044	Jun-11		0	0	0	0	0	0	0	0
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MUSG-000##	STEAM TURBINE GENERATOR ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp - certification will	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MUSG-000##	STEAM TURBINE GENERATOR ENCLOSURE	Vendor		May-11		#VALUE!		C030	01-Oct-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MUSG-000##	STEAM TURBINE GENERATOR ENCLOSURE STATEMENT OF SPECIAL INSPECTIONS (CBC CH. 17)	Vendor		May-11		#VALUE!		C030	01-Oct-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MUSG-000##	STEAM TURBINE GENERATOR FOUNDATION LOADS AND DESIGN REQUIREMENT	Vendor		May-11		#VALUE!		C030	01-Oct-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MUSG-000##	STEAM TURBINE GENERATOR FOUNDATION LAYOUT	Vendor		May-11		#VALUE!		C030	01-Oct-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MUSG-000##	STEAM TURBINE GENERATOR CIVIL INFORMATION AND GENERAL ARRANGEMENT DRAWING	Vendor		May-11		#VALUE!		C030	01-Oct-10 A		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MUSG-000##	PE RESUME	Vendor		Aug-10		0			Aug-10		0	0	1	0	0	0	0	0
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MVR0-000##	DEAERATOR ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp - certification will	May-11		-32		M109	Apr-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Reference	Civil	Drawing	25542-000-V1A-MVR0-000##	DEAERATOR GENERAL ARRANGEMENT DRAWING	Vendor	No PE stamp - certification will	May-11		#VALUE!		C024	21-Sep-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MVR0-000##	DEAERATOR FOUNDATION INTERFACE DRAWING	Vendor		May-11		#VALUE!		C024	21-Sep-10 A		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MVR0-000##	PE RESUME	Vendor		May-11		#VALUE!		C024	21-Sep-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MVR0-000##	DEAERATOR STRUCTURAL STEEL STATEMENT OF SPECIAL INSPECTIONS (CBC CH. 17)	Vendor		May-11		#VALUE!		C024	21-Sep-10 A		0	0	0	0	0	0	0	0
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MWDC-000##	CONDENSATE POLISHER VESSELS ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp - certification will	May-11		#VALUE!		M110	01-Sep-11*		0	0	0	0	0	0	0	0
STRUC-1	G	Reference	Civil	Drawing	25542-000-V1A-MWDC-000##	CONDENSER POLISHER FOUNDATION INTERFACE DRAWING	Vendor		Mar-11		0		C025	Mar-11		0	0	0	0	0	0	0	0
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MWKW-000##	HYDRO-PNEUMATIC TANK ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp - certification will	May-11		-33		M111	Apr-11		0	0	0	0	0	0	0	0
MECH-1	NA	Approval	Mechanical	Document	25542-000-V1A-PH06-00002	QUALITY ASSURANCE PROGRAM MANUAL	Vendor			Y													
MECH-1	NA	Approval	Mechanical	Document	25542-000-V1A-PH06-00004	APPLICATION FOR APPROVED FABRICATOR STATUS	Vendor			Y													
MECH-1	NA	Approval	Mechanical	Document	25542-000-V1A-PH06-00005	U STAMP - CERTIFICATE OF AUTHORIZATION	Vendor			Y													
MECH-1	NA	Approval	Mechanical	Document	25542-000-V1A-PH06-00006	AWS WELDING INSPECTOR CERTIFICATE	Vendor			Y													
MECH-1	NA	Approval	Mechanical	Document	25542-000-V1A-PH06-00007	ISO 9001 :2008 CERTIFICATE	Vendor			Y													
MECH-1	NA	Approval	Mechanical	Document	25542-000-V1A-PH06-00008	R STAMP - CERTIFICATE OF AUTHORIZATION	Vendor			Y													
MECH-1	NA	Approval	Mechanical	Document	25542-000-V1A-PH06-00009	CONTINUITY REPORT PER ASME SECTION IX	Vendor			Y													
MECH-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-PY21-000##	FIRE PROTECTION SYSTEM LEGEND, DRAWING INDEX AND GENERAL NOTES	Vendor		May-11		0		M113	May-11		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-PY21-000##	FIRE PROTECTION SYSTEM TYPICAL DEVICE LAYOUT, MOUNTING AND WIRING DETAILS	Vendor		May-11		0		M113	May-11		0	0	0	0	0	0	0	0
MECH-1	NA	Reference	Mechanical	Document	25542-000-V1A-PY21-000##	FIRE PROTECTION SYSTEM BILL OF MATERIAL	Vendor		May-11		0		M113	May-11		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Mechanical	Document	25542-000-V1A-PY21-000##	FIRE PROTECTION SYSTEM HYDRAULIC CALCULATIONS	Vendor		May-11		0		M113	May-11		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-PY21-000##	FIRE CONTROL PANEL, CONTROLS & WIRING DETAILS	Vendor		May-11		0		M113	May-11		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-PY21-000##	FIRE EXTINGUISHER LOCATION PLANS	Vendor		May-11		0		M113	May-11		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-PY21-000##	FIRE PROTECTION SYSTEM TYPICAL ISOMETRIC DRAWINGS	Vendor		May-11		0		M113	May-11		0	0	0	0	0	0	0	0
MECH-1	NA	Approval	Mechanical	Resume	25542-000-V1A-PY21-000##	PE RESUME	Vendor		May-11		0		M113	May-11		0	0	0	0	0	0	0	0
STRUC-1	G	Reference	Civil	Drawing	25542-000-V1A-MPGB-000##	BOILER FEED PUMP GENERAL ARRANGEMENT DRAWING (INCL FOUNDATION INTERFACE DATA)	Vendor		May-11		#VALUE!		C026	18-Feb-11 A		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MPGB-000##	PE RESUME	Vendor		May-11		#VALUE!		C026	18-Feb-11 A		0	0	0	0	0	0	0	0
STRUC-4	NA	Approval	Civil	Drawing	25542-000-V1A-MPGB-000##	BOILER FEED PUMP LUBE OIL TANK GENERAL ARRANGEMENT AND CALCULATION	Vendor		May-11		#VALUE!		C026	18-Feb-11 A		0	0	0	0	0	0	0	0
STRUC-4	NA	Approval	Civil	Drawing	25542-000-V1A-MPGB-000##	BOILER FEED PUMP HYDRAULIC OIL TANK GENERAL ARRANGEMENT AND CALCULATION	Vendor		May-11		#VALUE!		C026	18-Feb-11 A		0	0	0	0	0	0	0	0
STRUC-1	NA	Reference	Civil	Drawing	25542-000-V2A-MPGB-000##	STARTUP BOILER FEED PUMP GENERAL ARRANGEMENT DRAWING (INCL FOUNDATION INTERFACE DATA)	Vendor		May-11		#VALUE!		C026	18-Feb-11 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-MLGP-000##	OIL WATER SEPERATOR STRUCTURAL CALCULATION	Vendor		Jun-11		0		C027	Jun-11		0	0	0	0	0	0	0	0

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MLGP-000##	PE RESUME	Vendor		Jun-11		0		C027	Jun-11		0	0	0	0	0	0	0	0
STRUC-1		Approval	Civil	Report	25542-000-V1A-MXHS-00082	Geotechnical Study	Vendor			Y													
STRUC-1	NA	Approval	Civil	Report	25542-000-V1A-MXHS-00083	HELIOSTAT WIND TUNNEL TEST REPORT	Vendor			Y													
STRUC-1	NA	Approval	Civil	Data Sheet	25542-000-V1A-MXHS-00084	HELIOSTAT MATERIAL AND FASTENER DATA SHEETS	Vendor			Y													
STRUC-1	NA	Approval	Civil		25542-000-V1A-MXHS-00085	HELIOSTAT DESIGN SUMMARY	Vendor			Y													
STRUC-1	NA	Approval	Civil		25542-000-V1A-MXHS-00086	HELIOSTAT DRAWIINGS PACKAGE	Vendor			Y													
STRUC-1	NA	Approval	Civil		25542-000-V1A-MXHS-00087	HELIOSTAT EARTHQUAKE LAOD ANALYSIS	Vendor			Y													
STRUC-1	NA	Approval	Civil		25542-000-V1A-MXHS-00088	HELIOSTAT WIND LOAD ANALYSIS	Vendor			Y													
STRUC-1	NA	Approval	Civil	Calculation	25542-000-V1A-UA11-00001	CALCULATION FOR 120 X 60 MODULAR OFFICE FACILITY	Vendor			Y													
STRUC-1	NA	Approval	Civil	Calculation	25542-000-V1A-UA11-00002	CALCULATION FOR 12 X 60 MODULAR OFFICE UNIT	Vendor			Y													
STRUC-1	NA	Approval	Civil	Calculation	25542-000-V1A-UA11-00003	CALCULATION FOR 24 X 60 AND 36 X 60 MODULAR OFFICE UNITS	Vendor			Y													
STRUC-1	NA	Approval	Civil	Calculation	25542-000-V1A-UA11-00004	CALCULATION FOR 12 X 44 MODULAR RESTROOM UNIT	Vendor			Y													
STRUC-1	NA	Approval	Civil	Calculation	25542-000-V1A-UA11-00005	CALCULATION FOR 24 X 45 MODULAR OFFICE UNIT	Vendor			Y													
STRUC-1	NA	Approval	Civil	Certificate	25542-000-V1B-AK00-00060	GEM APPLICATION FOR APPROVED FABRICATOR STATUS	Vendor			Y													
STRUC-1	NA	Approval	Civil	Certificate	25542-000-V1B-AK00-00061	GEM AISC CERTIFICATE	Vendor			Y													
STRUC-1	NA	Approval	Civil	Application	25542-000-V1B-AK00-00102	GEM IAS CERTIFICATE	Vendor			Y													
STRUC-1	NA	Approval	Civil	Audit	25542-000-V1B-AK00-00103	GEM FABRICATORS QUALITY MANUAL	Vendor			Y													
STRUC-1	NA	Approval	Civil	Manual	25542-000-V1B-AK00-00104	AISC AUDIT OF GEM FABRICATORS	Vendor			Y													
STRUC-1	NA	Approval	Civil	Calculation	25542-000-V1B-AK00-00018	STRUCTURAL CALC 81FT X 116 FT PAVILION PAD BOND BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00006	PAD BUILDING LOAD DRAWING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00023	PAD BONDING BUILDING - 81FT X 116 FT PAVILION FABRIC INSTALLATION DETAILS	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00024	PAD BOND BUILDING - 81FT X 116FT PAVILION ENDWALL	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00025	PAD BOND BUILDING - 81FT X 116FT PAVILION MIDDLE SECTION	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00026	PAD BOND BUILDING - 81FT X 116FT PAVILION ENDWALL	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00027	PAD BOND BUILDING - 81FT X 116FT PAVILION GENERAL NOTES	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00028	PAD BOND BUILDING - 81FT X 116FT PAVILION WIRE ROPE	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00029	PAD BOND BUILDING - 81FT X 116FT PAVILION FRAMES, CONNECTIONS, AND BRACING LAYOUT	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00030	PAD BOND BUILDING - 81FT X 116FT PAVILION ENDWALL INSTALLATION	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00031	PAD BOND BUILDING - 81FT X 116FT PAVILION DOOR HEADER AND VENT INSTALLATION	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00099	PAD BOND BUILDING - 81FT X 116FT PAVILIONPOCKET BEAM INSTALLATION	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00100	PAD BOND BUILDING - 81FT X 116FT PAVILION FABRIC INSTALLATION DETAILS	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00105	PAD BOND BUILDING - 81FT X 116FT PAVILION FRAME LEG L1, L1M, L2	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00106	PAD BOND BUILDING - 81FT X 116FT PAVILION EAVE CURVE C1 AND C2	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00107	PAD BOND BUILDING - 81FT X 116FT PAVILION TOP CURVE C1T AND C2T	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00108	PAD BOND BUILDING - 81FT X 116FT PAVILION STRAIGHT S1 AND S2	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00109	PAD BOND BUILDING - 81FT X 116FT PAVILION PURLIN P1, P2, AND X-BRACING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00110	PAD BOND BUILDING - 81FT X 116FT PAVILION SNOW BREAK P3	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00111	PAD BOND BUILDING - 81FT X 116FT PAVILION POCKET BEAM PB1 - PB12	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00112	PAD BOND BUILDING - 81FT X 116FT PAVILION GIRT G1 - G10	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00113	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W1	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00114	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W2	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00115	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W3	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00116	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W4	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00117	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W5	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00118	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W6	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00119	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W7	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00120	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W8	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00121	PAD BOND BUILDING - 81FT X 116FT PAVILION 22 FEET OVERHEAD DOOR HEADER H77-1	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00122	PAD BOND BUILDING - 81FT X 116FT PAVILION OVERHEAD DOOR HEADER H77-2	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00123	PAD BOND BUILDING - 81FT X 116FT PAVILION OVERHEAD DOOR HEADER H77-3	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00124	PAD BOND BUILDING - 81FT X 116FT PAVILION OVERHEAD DOOR HEADER H77-4	Vendor			Y													

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00125	PAD BOND BUILDING - 81FT X 116FT PAVILION DOOR POST H17-1	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00126	PAD BOND BUILDING - 81FT X 116FT PAVILION TYPICAL TRUSS DETAIL	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00127	PAD BOND BUILDING - 81FT X 116FT PAVILION HARDWARE DETAILS	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00128	PAD BOND BUILDING - 81FT X 116FT PAVILION VENT FRAME V1	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00129	PAD BOND BUILDING - 81FT X 116FT PAVILION DETAIL OF GALVANIZING DRAIN HOLE	Vendor			Y													
STRUC-1	NA	Approval	Civil	Calculation	25542-000-V1B-AK00-00057	STRUCTURAL CALCULATIONS 121FT X 400FT PVAILION HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00005	HELIOSTAT ASSEMBLY BUILDING LOAD DRAWING	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00043	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION DOOR INSTALLATION	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00044	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION GENERAL MAP LAYOUT	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00045	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION ENDWALL	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00046	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION MIDDLE SECTION NO QC SCANNER	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00047	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION MIDDLE SECTION QC SCANNER	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00048	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION ENDWALL 2	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00049	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION SIDEWALL E ELEVATION VIEW	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00050	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION SIDEWALL B ELEVATION VIEW	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00051	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION GENERAL NOTES	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00052	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION WIRE ROPE	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00053	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION RAMES, CONNECTIONS AND BRACING LAYOUT	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00054	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION RAMES, CONNECTIONS AND BRACING LAYOUT - 2	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00055	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION RAMES, CONNECTIONS AND BRACING LAYOUT - 3	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00056	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION ENDWALL INSTALLATION	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00042	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION ENDWALL INSTALLATION DETAIL	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00020	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION POCKET BEAM INSTALLATION	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00101	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION FABRIC INSTALLATION DETAILS	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00022	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION FRAME LEGS L1, L1M, L2	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00064	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION FRAME LEGS L1, L1M, L2	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00065	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION LOW STRAIGHT S1, S1M, S10	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00130	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION MIDDLE STRAIGHT S2, S20	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00131	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION TOP STRAIGHT S3, S3M, AND S30	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00132	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION LEG 11, L11M	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00133	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION STRAIGHT S11, S11M	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00134	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION PURLIN P1, P2, P3 AND P11	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00135	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION GIRT AND DOOR FRAME G1-G13	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00136	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION POCKET BEAM PB1 - PB5	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00137	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION COLUMN W1	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00138	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION COLUMN W2	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00139	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION COLUMN W3	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00140	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION COLUMN W4	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00141	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION COLUMN W5	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00142	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION COLUMN W6	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00143	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION DOOR HEADER, H77-1, H77-2	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00144	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION DOOR POST H17-1	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00145	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION DOOR POST H17-2 AND H17-3	Vendor			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00146	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION DOOR HEADER H2	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00147	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION TYPICAL TRUSS DETAIL	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00148	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION HARDWARE DETAILS	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00152	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION PURLIN P5, P6	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00153	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION PURLIN P4 AND X1	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00154	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION DETAIL OF GALVANIZING DRAIN HOLE	Vendor			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-UA11-00001	STRUCTURAL ENGINEERING REPORT FOR 84X120X33 FABRIC COVERED STRUCTURE	Vendor			Y													
~~TSE-5~~	~~T~~	~~Approval~~	~~STE/Civil~~	~~Document~~	~~25542-000-3DR-C04G-00001~~	~~SWITCHYARD STRUCTURAL DESIGN CRITERIA~~	~~Bechtel~~		~~27-Aug-10 A~~		#VALUE!		SY21	27-Aug-10 A		0	0	0	0	0	0	0	0
TSE-5	T	Approval		Document	25542-000-3DR-C04G-00002	115 KV SWITCHYARD CIVIL - STRUCTURAL DESIGN CRITERIA	Vendor			Y													
TSE-5	T	Approval	STE/Civil	Drawing	25542-001-DB-3510-00001	SWITCHYARD CONCRETE FOUNDATION GENERAL ARRANGEMENT PLAN	Bechtel		May-11		0		SY37	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Drawing	25542-002-DB-3510-00001	SWITCHYARD CONCRETE FOUNDATION GENERAL ARRANGEMENT PLAN	Bechtel		May-11		0		SY37	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Drawing	25542-003-DB-3510-00001	SWITCHYARD CONCRETE FOUNDATION GENERAL ARRANGEMENT PLAN	Bechtel		May-11		0		SY37	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-DB-3590-00001	SWITCHYARD CONCRETE FOUNDATIONS CT AND VT	Bechtel		Jun-11		0		SY15	Jun-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-DB-3590-00002	SWITCHYARD CONCRETE FOUNDATIONS BS AND SA	Bechtel		Jun-11		0		SY09	Jun-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-DB-3590-00003	SWITCHYARD CONCRETE FOUNDATIONS CB AND DS	Bechtel		Jun-11		-73		SY12	Apr-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00001	FOUNDATION CALC - 115 KV BUS SUPPORT	Bechtel		Jun-11		0		SY09	Jun-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00002	FOUNDATION CALC - 115 KV CIRCUIT BREAKER	Bechtel		Jun-11		-73		SY12	Apr-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00003	FOUNDATION CALC - 115 KV CURRENT TRANSFORMER	Bechtel		Jun-11		0		SY15	Jun-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00004	FOUNDATION CALC - 115 KV DISCONNECT SWITCH	Bechtel		Jun-11		-73		SY12	Apr-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00005	FOUNDATION CALC - 115 KV SURGE ARRESTER	Bechtel		Jun-11		0		SY09	Jun-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00006	FOUNDATION CALC - 115 KV VOLTAGE TRANSFORMER	Bechtel		Jun-11		0		SY15	Jun-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00007	FOUNDATION CALC - 115 KV CABLE TERMINATOR	Bechtel		May-11		0		SY20	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Drawing	25542-001-E1-EZ-00001	SWITCHYARD SINGLE LINE METER & RELAY DIAGRAM	Bechtel		Mar-11	Y	0		SY23	Mar-11		0	0	0	0	0	0	0	0
TSE-5		Approval	STE/Elect.	Drawing	25542-002-E1-EZ-00001	UNIT 2 115KV SWITCHYARD SINGLE LINE METER & RELAY DIAGRAM	Bechtel			Y													
TSE-5		Approval	STE/Elect.	Drawing	25542-003-E1-EZ-00001	UNIT 3 115KV SWITCHYARD SINGLE LINE METER & RELAY DIAGRAM	Bechtel			Y													
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-EG-3510-00001	SWITCHYARD GROUNDING PLAN	Bechtel		Aug-11		0		SY01	Aug-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-EG-3590-00002	SWITCHYARD GROUNDING SECTIONS AND DETAILS	Bechtel		Aug-11		0		SY01	Aug-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Calculation	25542-001-EMC-EZ-00001	SWITCHYARD RELAY SETTINGS	Bechtel		Nov-11		0		SY02	Nov-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Calculation	25542-002-EMC-EZ-00001	SWITCHYARD RELAY SETTINGS	Bechtel		Nov-11		0		SY02	Nov-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Calculation	25542-003-EMC-EZ-00001	SWITCHYARD RELAY SETTINGS	Bechtel		Nov-11		0		SY02	Nov-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-ER-3501-00001	SWITCHYARD UNDERGROUND RACEWAY PLAN	Bechtel		May-11		0		SY42	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-ER-3510-00001	SWITCHYARD ABOVE GRADE CONDUIT DETAILS	Bechtel		May-11		0		SY43	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Drawing	25542-001-EZ-3510-00001	SWITCHYARD GENERAL ARRANGEMENT	Bechtel		May-11		0		SY25	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Drawing	25542-002-EZ-3510-00001	SWITCHYARD GENERAL ARRANGEMENT	Bechtel		May-11		0		SY25	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Drawing	25542-003-EZ-3510-00001	SWITCHYARD GENERAL ARRANGEMENT	Bechtel		May-11		0		SY25	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-EZ-3590-00001	SWITCHYARD SECTIONS AND DETAILS	Bechtel		May-11		0		SY36	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-EZ-3590-00002	SWITCHYARD ELECTRICAL HARDWARE DETAILS	Bechtel		May-11		0		SY36	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Drawing	25542-001-SS-3510-00001	SWITCHYARD EQUIPMENT SUPPORT STRUCTURES ARRANGEMENT PLAN	Bechtel		Mar-11		0		SY22	Mar-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Drawing	25542-002-SS-3510-00001	SWITCHYARD EQUIPMENT SUPPORT STRUCTURES ARRANGEMENT PLAN	Bechtel		Mar-11		0		SY22	Mar-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Drawing	25542-003-SS-3510-00001	SWITCHYARD EQUIPMENT SUPPORT STRUCTURES ARRANGEMENT PLAN	Bechtel		Mar-11		0		SY22	Mar-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-SS-3590-00001	SWITCHYARD STRUCTURAL STEEL EQUIPMENT SUPPORT STRUCTURE FOR INSULATOR	Bechtel		Jun-11		-63		SY07	Apr-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-SS-3590-00002	SWITCHYARD STRUCTURAL STEEL EQUIPMENT SUPPORT STRUCTURE FOR DS	Bechtel		Jun-11		-57		SY05	Apr-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-SS-3590-00003	SWITCHYARD STRUCTURAL STEEL EQUIPMENT SUPPORT STRUCTURE FOR CT	Bechtel		Jun-11		-72		SY08	Apr-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-SS-3590-00004	SWITCHYARD STRUCTURAL STEEL EQUIPMENT SUPPORT STRUCTURE FOR VT	Bechtel		Jun-11		-56		SY06	Apr-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-SS-3590-00005	SWITCHYARD STRUCTURAL STEEL EQUIPMENT SUPPORT STRUCTURE FOR SA	Bechtel		Jun-11		-63		SY07	Apr-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-SSC-3510-00001	STRUCTURAL CALC - 115 KV BUS SUPPORT	Bechtel		Apr-11	Y	0		SY07	Apr-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-SSC-3510-00002	STRUCTURAL CALC - 115 KV CURRENT TRANSFORMER SUPPORT	Bechtel		Jun-11		-72		SY08	Apr-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-SSC-3510-00003	STRUCTURAL CALC - 115 KV SURGE ARRESTER SUPPORT	Bechtel		Jun-11		-63		SY07	Apr-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-SSC-3510-00004	STRUCTURAL CALC - 115 KV VOLTAGE TRANSFORMER SUPPORT	Bechtel		Jun-11		-56		SY06	Apr-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-SSC-3510-00005	STRUCTURAL CALC - 115 KV DISCONNECT SWITCH STEEL SUPPORT	Bechtel		Jun-11		-57		SY05	Apr-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EMC3-000##	DATA SHEET FOR HV CURRENT TRANSFORMER	Vendor		May-11		0		SY40	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EMT3-000##	DATA SHEET FOR VOLTAGE TRANSFORMER	Vendor		May-11		0		SY27	May-11		0	0	0	0	0	0	0	0

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-ENA3-000##	DATA SHEET FOR HV CIRCUIT BREAKER	Vendor		May-11		0		SY28	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00002	UNIT 2 AND L 115/33KV OVERHEAD LINE PLAN AND PROFILE SHEET 1 OF 5	Vendor			Y													
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00003	UNIT 2 AND L 115/33KV OVERHEAD LINE PLAN AND PROFILE SHEET 2 OF 5	Vendor			Y													
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00004	UNIT 2 AND L 115/33KV OVERHEAD LINE PLAN AND PROFILE SHEET 3 OF 5	Vendor			Y													
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00005	UNIT 2 AND L 115/33KV OVERHEAD LINE PLAN AND PROFILE SHEET 4 OF 5	Vendor			Y													
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00006	UNIT 2 AND L 115/33KV OVERHEAD LINE PLAN AND PROFILE SHEET 5 OF 5	Vendor			Y													
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00007	UNIT 2 AND 3 115/33KV OVERHEAD LINE STRUCTURE WORK LIST	Vendor			Y													
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00009	UNIT 2 AND 3 115/33KV OVERHEAD LINE 115KV SINGLE CIRCUIT DEADEND ANGLE 45 DEGREE STRUCTURE LAYOUT	Vendor			Y													
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00011	UNIT 2 AND 3 115/33KV OVERHEAD LINE 115KV DOUBLE CIRCUIT SUSPENSION STRUCTURE LAYOUT	Vendor			Y													
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00012	UNIT 2 AND 3 115/33KV OVERHEAD LINE 115KV SINGLE CIRCUIT SUSPENSION STRUCTURE LAYOUT	Vendor			Y													
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00013	UNIT 2 115/33KV OVERHEAD LINE 33KV SINGLE CIRCUIT SUSPENSION STRUCTURE ANGLE 16 DEGREE STRUCTURE LAYOUT	Vendor			Y													
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00014	UNIT 3 115/33KV OVERHEAD LINE 115/33KV DOUBLE CIRCUIT SUSPENSION STRUCTURE LAYOUT	Vendor			Y													
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00015	UNIT 2 AND 3 115/33KV OVERHEAD LINE 115/33KV DOUBLE CIRCUIT DEADEND STRUCTURE LAYOUT	Vendor			Y													
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00016	UNIT 2 AND 3 115/33KV OVERHEAD LINE MASTER MATERIAL LIST	Vendor			Y													
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00021	UNIT 2 AND 3 115KV OVERHEAD LINE LOADING TREE AND FOUNDATION DETAIL	Vendor			Y													
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00022	UNIT 2 AND 3 115/33KV OVERHEAD LINE 115KV DOUBLE CIRCUIT DEADEND STRUCTURE 3 STRUCTURE LAYOUT	Vendor			Y													
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00024	UNIT 3 115/33KV OVERHEAD LINE 33KV DEADEND STRUCTURE - STRUCTURE 9-2 - STRUCTURE LAYOUT	Vendor			Y													
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00025	Unit 2 and 3 115/33kV Overhead Line Loading Tree and Foundation Detail	Vendor																
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00039	SPEC FOR STEEL TRANSMISSION POLES UNIT 1 AND 2	Vendor			Y													
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00040	DESIGN CRITERIA FOR HIGH VOLTAGE TRANSMISSION LINES	Vendor			Y													
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00041	SPEC FOR STEEL TRANSMISSION POLES	Vendor			Y													
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00042	OVERHEAD TRANSMISSION LINE 33/115 KV SYSTEM STRINGING CHARTS DRAKE CONDUCTOR	Vendor			Y													
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00043	PLS CADD STRUCTURE LOADS OUTPUT	Vendor			Y													
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00050	Calculations for High Voltage Transmission Line Strucures, Transition Structures and Foundations	Vendor			Y													
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00051	Vendor Drawings for High Voltage Transmission Line Strucures, Transition Structures and Foundations	Vendor			Y													
TSE-5		Approval	STE/Elect.		25542-000-V1A-EZ00-00054	CALCULATIONS FOR HIGH VOLTAGE TRANSMISSION LINE STRUCTURES 17, 19 AND 20 NONCONFORMANCE REPORT	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-000##	DATA SHEET FOR HIGH VOLTAGE UNDERGROUND CABLE	Vendor		May-11		0		SY41	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00002	UNIT 1 - 115KV UNDERGROUND CABLE AND OVERHEAD LINE ROUTING PLAN	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00003	UNIT 1 - 115KV AND 33KV UNDERGROUND CABLE PARTIAL PLANS AND SECTIONS	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00004	UNIT 1 - 115KV UNDERGROUND TO OVERHEAD DETAILED TRANSITION YARD PLAN	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00005	UNIT 1 - 115KV UNDERGROUND TO OVERHEAD TRANSITION YARD SECTIONS AND DETAILS	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00006	UNIT 1 - 115KV SYSTEM BONDING SCHEMATIC	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00007	UNIT 1 - 115KV SPLICE DETAIL	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00008	UNIT 1 - 115KV TRANSITION YARD COMMON AREA FENCE AND GATE DETAIL	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00009	COMMON AREA 115KV AND 33KV UNDERGROUND CABLE AND OVERHEAD LINE ROUTING PLAN	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00025	UNIT1 - 115KV UNDERGROUND TO OVERHEAD TRANSITION STRUCTURE LOADING TREES	Vendor			Y													
TSE-2	T		STE/Elect.	Resume	25542-000-V1A-EWZ0-00026	RESUME: NIZOM GHANTOUS, ELECTRICAL ENGINEER	Vendor			Y													
TSE-2	T	Approval	STE/Elect.	Resume	25542-000-V1A-EWZ0-00027	RESUME: SCOTT KIRBY, CIVIL ENGINEER	Vendor			Y													
TSE-5	T	Reference	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00036	UNIT 2 115KV UNDERGROUND CABLE AND OVERHEAD LINE ROUTING PLAN	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00037	UNIT 2 115KV UNDERGROUND CABLE AND OVERHEAD LINE PARTIAL PLANS AND SECTIONS	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00038	UNIT 2 115KV UNDERGROUND TO OVERHEAD DETAILED TRANSITION YARD PLAN	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00039	UNIT 2 115KV SYSTEM BONDING SCHEMATIC	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00040	UNIT 2 115KV TRANSITION YARD COMMON AREA FENCE AND GATE DETAIL	Vendor			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
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TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00046	UNIT1 - 115KV AND 33KV UNDERGROUND CABLE PLAN AND PROFILE SHEET 6 OF 6	Vendor			Y													
TSE-2	T		STE/Elect.	Cover Letter	25542-000-V1A-EWZ0-00047	COVER LETTER	Vendor			Y													
TSE-2	T	Approval	STE/Elect.	Cover Letter	25542-000-V1A-EWZ0-00048	COVER LETTER	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00049	UNIT1 - 115KV AND 33KV UNDERGROUND CABLE PLAN AND PROFILE SHEET 1 OF 6	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00050	UNIT 2 115KV AND 33KV UNDERGROUND CABLE PLAN AND PROFILE APPROACHING THE POWER PLANT SUBSTATION	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00052	UNIT1 - 115KV AND 33KV UNDERGROUND CABLE PLAN AND PROFILE SHEET 2 OF 6	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00053	UNIT1 - 115KV AND 33KV UNDERGROUND CABLE PLAN AND PROFILE SHEET 3 OF 6	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00054	UNIT1 - 115KV AND 33KV UNDERGROUND CABLE PLAN AND PROFILE SHEET 4 OF 6	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00055	UNIT1 - 115KV AND 33KV UNDERGROUND CABLE PLAN AND PROFILE SHEET 5 OF 6	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00057	UNIT 1 UNDERGROUND TRANSMISSION CALCULATIONS FOR TRANSITION STRUCTURE LOADS	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00058	115KV AND 33KV TRANSMISSION SPECIFICATION FOR CAST IN PLACE CONCRETE 25542-EOO-00300	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00063	UNIT 2 115KV UNDERGROUND TO OVERHEAD TRANSITION YARD SECTIONS AND DETAILS	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00064	UNIT 2 115KV AND 33KV UNDERGROUND CABLE PLAN AND PROFILE SHEET 2 OF 4	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00065	UNIT 2 115KV AND 33KV UNDERGROUND CABLE PLAN AND PROFILE SHEET 3 OF 4	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00066	UNIT 2 115KV AND 33KV UNDERGROUND CABLE PLAN AND PROFILE SHEET 4 OF 4	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00067	UNIT 1, 2 AND 3 TRANSITION YARDS UNDERGROUND CABLE TERMINATION SUPPORT STRUCTURE AND FOUNDATION	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00068	UNIT 2 115KV UNDERGROUND TO OVERHEAD TRANSITION STRUCTURE LOADING TREES	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00069	UNIT 1, 2 TRANSITION YARD CABLE TERMINATION SUPPORT STRUCTURE CALC NO. 3	Vendor			Y													
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00070	UNIT 2 AND 3 TRANSITION YARD CABLE - TRANSITION STRUCTURE LOADS UNIT 2 AND 3 - CALC NO. 2	Vendor			Y													
TSE-5		Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00080	Unit No. 3 115kV and 33kV Underground Cable and Overhead Line Routing Plan	Vendor			Y													
TSE-5		Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00081	Unit No. 3 115kV and 33kV Underground Cable and Overhead Line Partial Plans and Sections	Vendor			Y													
TSE-5		Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00082	Unit No. 3 115kV Underground to Overhead Transition Yard Plan	Vendor			Y													
TSE-5		Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00083	Unit No. 3 115kV Underground to Overhead Transition Yard Sections and Details	Vendor			Y													
TSE-5		Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00084	Unit No. 3 System Bonding Schematic	Vendor			Y													
TSE-5		Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00085	Unit No. 3 Splice detail	Vendor			Y													
TSE-5		Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00086	Unit No. 3 115kV Transition Yard Common Area Fence and Gate Detail	Vendor			Y													
TSE-5		Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00087	Unit No. 3 115/33kV Line 33kV Riser Structure 37-2 Structure Layout	Vendor			Y													
TSE-5		Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00088	Unit No. 3 115kV Underground to Overhead Transition Structure Loading Trees	Vendor			Y													
TSE-5		Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00089	Unit No. 3 115kV and 33kV Underground Cable Plan and Profile Sh 1 of 5	Vendor			Y													
TSE-5		Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00090	Unit No. 3 115kV and 33kV Underground Cable Plan and Profile Sh 2 of 5	Vendor			Y													
TSE-5		Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00091	Unit No. 3 115kV and 33kV Underground Cable Plan and Profile Sh 3 of 5	Vendor			Y													
TSE-5		Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00092	Unit No. 3 115kV and 33kV Underground Cable Plan and Profile Sh 4 of 5	Vendor			Y													
TSE-5		Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00093	Unit No. 3 115kV and 33kV Underground Cable Plan and Profile Sh 5 of 5	Vendor			Y													
TSE-5		Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00094	Unit 1, 2, and 3 Switch Yards Underground Cable Termination Support Structure and Foundation	Vendor			Y													
TSE-5		Approval	STE/Elect.	Calculation	25542-000-V1A-EWZ0-00184	CALCULATIONS FOR 115KV CABLE AMPACITY	Vendor			Y													
TSE-5	T	Approval	STE/Civil	Calculation	25542-001-V1A-EWZ0-000##	FOUNDATION CALC - 115 KV OHTL TAKEOFF TOWER	Vendor		May-11		0		SY32	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Calculation	25542-001-V1A-EWZ0-000##	STRUCTURAL CALC - 115 KV OHTL TAKEOFF TOWER	Vendor		May-11		0		SY32	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Drawing	25542-001-V1A-EWZ0-000##	UNDERGROUND TRANSMISSION LINE ROUTING	Vendor		May-11		0		SY31	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Drawing	25542-001-V1A-EWZ0-000##	OVERHEAD TRANSMISSION LINE - 115 KV UNDERGROUND CABLE TRANSITION YARD GENERAL ARRANGEMENT	Vendor		May-11		0		SY31	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Drawing	25542-001-V1A-EWZ0-000##	OVERHEAD TRANSMISSION LINE - 115 KV UNDERGROUND CABLE TRANSITION YARD SECTIONS AND DETAILS	Vendor		May-11		0		SY31	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Drawing	25542-002-V1A-EWZ0-000##	UNDERGROUND TRANSMISSION LINE ROUTING	Vendor		May-11		0		SY34	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Drawing	25542-003-V1A-EWZ0-000##	UNDERGROUND TRANSMISSION LINE ROUTING	Vendor		May-11		0		SY35	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EYG3-000##	DATA SHEET FOR HV SURGE ARRESTER	Vendor		May-11		0		SY26	May-11		0	0	0	0	0	0	0	0
~~TSE-5~~		~~Approval~~	~~STE/Civil~~	~~Calculation~~	~~25542-001-V1A-EZ00-000##~~	~~FOUNDATION CALC - 115 KV OVERHEAD TRANSMISSION LINE POLES~~	~~Vendor~~	~~DELETE~~	~~Nov-10~~		0			Nov-10		0	0	0	0	0	1	0	0
~~TSE-5~~		~~Approval~~	~~STE/Civil~~	~~Calculation~~	~~25542-001-V1A-EZ00-000##~~	~~LOADING TREE CALCULATION OVERHEAD TRANSMISSION LINE POLES~~	~~Vendor~~	~~DELETE~~	~~Apr-11~~		0			Apr-11		0	0	0	0	0	0	0	0
~~TSE-5~~	6/15/2012	~~Approval~~	~~STE/Civil~~	~~Drawing~~	~~25542-001-V1A-EZ00-000##~~	~~OVERHEAD TRANSMISSION LINE PLAN AND PROFILE~~	~~Vendor~~	~~DELETE~~	~~Apr-11~~		0			Apr-11		0	0	0	0	25542-000-GMX-GEG-00002	0	0

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
~~TSE-5~~		~~Approval~~	~~STE/Civil~~	~~Drawing~~	~~25542-001-V1A-EZ00-000##~~	~~OVERHEAD TRANSMISSION LINE STRINGING CHART~~	~~Vendor~~	~~DELETE~~	~~Apr-11~~		0			Apr-11		0	0	0	0	0	0	0	0
~~TSE-5~~		~~Approval~~	~~STE/Civil~~	~~Drawing~~	~~25542-001-V1A-EZ00-000##~~	~~FOUNDATIONS OVERHEAD TRANSMISSION LINE POLES~~	~~Vendor~~	~~DELETE~~	~~Feb-11~~		0			Feb-11		0	0	0	0	0	0	0	0
~~TSE-5~~		~~Approval~~	~~STE/Civil~~	~~Drawing~~	~~25542-001-V1A-EZ00-000##~~	~~LOADING TREE DIAGRAM FOR OVERHEAD TRANSMISSION LINE POLES~~	~~Vendor~~	~~DELETE~~	~~Apr-11~~		0			Apr-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Calculation	25542-002-V1A-EZ00-000##	FOUNDATION CALC - 115 KV OVERHEAD TRANSMISSION LINE POLES	Vendor		May-11		0		SY29	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Calculation	25542-002-V1A-EZ00-000##	LOADING TREE CALCULATION OVERHEAD TRANSMISSION LINE POLES	Vendor		May-11		0		SY38	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Drawing	25542-002-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE PLAN AND PROFILE	Vendor		May-11		0		SY38	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Drawing	25542-002-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE STRINGING CHART	Vendor		May-11		0		SY38	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Drawing	25542-002-V1A-EZ00-000##	FOUNDATIONS OVERHEAD TRANSMISSION LINE POLES	Vendor		May-11		0		SY29	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Drawing	25542-002-V1A-EZ00-000##	LOADING TREE DIAGRAM FOR OVERHEAD TRANSMISSION LINE POLES	Vendor		May-11		0		SY38	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Drawing	25542-002-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE CONDUCTOR & SHIELD WIRE PLAN	Vendor		Mar-11		0		SY16	Mar-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Drawing	25542-002-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE - 115 KV UNDERGROUND CABLE TRANSITION YARD GENERAL ARRANGEMENT	Vendor		Mar-11		0		SY16	Mar-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Drawing	25542-002-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE - 115 KV UNDERGROUND CABLE TRANSITION YARD SECTIONS AND DETAILS	Vendor		Mar-11		0		SY16	Mar-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Calculation	25542-003-V1A-EZ00-000##	FOUNDATION CALC - 115 KV OVERHEAD TRANSMISSION LINE POLES	Vendor		May-11		0		SY29	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Calculation	25542-003-V1A-EZ00-000##	LOADING TREE CALCULATION OVERHEAD TRANSMISSION LINE	Vendor		May-11		0		SY38	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Drawing	25542-003-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE PLAN AND PROFILE	Vendor		May-11		0		SY38	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Drawing	25542-003-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE STRINGING CHART	Vendor		May-11		0		SY38	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Drawing	25542-003-V1A-EZ00-000##	FOUNDATIONS OVERHEAD TRANSMISSION LINE POLES	Vendor		May-11		0		SY29	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Civil	Drawing	25542-003-V1A-EZ00-000##	LOADING TREE DIAGRAMS FOR OVERHEAD TRANSMISSION LINE	Vendor		May-11		0		SY38	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Drawing	25542-003-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE CONDUCTOR & SHIELD WIRE PLAN	Vendor		Mar-11		0		SY17	Mar-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Drawing	25542-003-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE - 115 KV UNDERGROUND CABLE TRANSITION YARD GENERAL ARRANGEMENT	Vendor		Mar-11		0		SY17	Mar-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Drawing	25542-003-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE - 115 KV UNDERGROUND CABLE TRANSITION YARD SECTIONS AND DETAILS	Vendor		Mar-11		0		SY17	Mar-11		0	0	0	0	0	0	0	0
TSE-2	NA	Approval	STE/Civil	Resume	25542-000-V1A-EWZ0-000##	Responsible Design Engineer for transmission structures Resume and Registration	Vendor		May-11	Y	0		SY31	May-11		0	0	0	0	0	0	0	0
TSE-2	NA	Approval	STE/Elect.	Resume	25542-000-V1A-EWZ0-000##	Responsible Electrical Engineer Resume and Registration	Vendor		May-11	Y	0		SY31	May-11		0	0	0	0	0	0	0	0
TSE-2	NA	Approval	STE/Elect.	Resume	25542-000-V1A-EZ00-000##	Responsible Design Engineer for transmission structures Resume and Registration	Vendor		Mar-11	Y	0		SY16	Mar-11		0	0	0	0	0	0	0	0
TSE-2	NA	Approval	Electrical	Resume	25542-000-V1A-EZ00-000##	Responsible Electrical Engineer Resume and Registration	Vendor		Mar-11	Y	0		SY17	Mar-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Calculation	25542-000-V1A-EWZ0-000##	UNDERGROUND TRANSMISSION LINE AMPACITY CALCULATION	Vendor		May-11		0		SY31	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Document	25542-000-V1A-EWZ0-000##	DESIGN CRITERIA FOR UNDERGROUND TRANSMISSION LINE	Vendor		May-11		0		SY31	May-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	STE/Elect.	Document	25542-000-V1A-EWZ0-000##	DESIGN CRITERIA FOR OVERHEAD TRANSMISSION LINE	Vendor		Mar-11		0		SY16	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-C0-0090-00001	CIVIL/STRUCTURAL STANDARDS - SITE WORK SHEET 1 GENERAL NOTES & LEGEND	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-C0-0090-00002	CIVIL/STRUCTURAL STANDARDS - EROSION & SEDIMENT CONTROL SHEET 2 TYPICAL DETAILS	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-C0-0090-00003	CIVIL/STRUCTURAL STANDARDS - SITE WORK SHEET 3 TYPICAL FENCING SECTIONS & DETAILS	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-C0-0090-00004	CIVIL/STRUCTURAL STANDARDS - SITE WORK SHEET 4 TYPICAL GRADING & SURFACING DETAILS	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-D0-0090-00001	CIVIL/STRUCTURAL STANDARDS - CONCRETE SHEET 1 GENERAL NOTES & LEGEND	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-D0-0090-00002	CIVIL/STRUCTURAL STANDARDS - CONCRETE SHEET 2 TYPICAL SECTIONS AND DETAILS	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-D0-0090-00003	CIVIL/STRUCTURAL STANDARDS - CONCRETE SHEET 3 TYPICAL SECTIONS AND DETAILS	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-D0-0090-00004	CIVIL/STRUCTURAL STANDARDS - CONCRETE SHEET 4 TYPICAL SECTIONS AND DETAILS	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Drawing	25542-000-S0-0000-00001	STATEMENT OF SPECIAL INSTRUCTION	Bechtel			Y													
STRUC-2	NA	Approval	Civil	Drawing	25542-000-S0-0000-00002	STATEMENT OF STRUCTURAL OBSERVATION	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-S0-0090-00001	CIVIL/STRUCTURAL STANDARDS - STRUCTURAL STEEL SHEET 1 GENERAL NOTES AND LEGEND	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-S0-0090-00002	CIVIL/STRUCTURAL STANDARDS - STRUCTURAL STEEL SHEET 2 TYPICAL SECTIONS AND DETAILS	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	25542-000-GMX-GEG-00002	0	0

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
STRUC-1	G	Approval	Civil	Drawing	25542-000-S0-0090-00003	CIVIL/STRUCTURAL STANDARDS - STRUCTURAL STEEL SHEET 3 TYPICAL SECTIONS AND DETAILS	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-S0-0090-00004	CIVIL/STRUCTURAL STANDARDS - STRUCTURAL STEEL SHEET 4 TYPICAL SECTIONS AND DETAILS	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-S0-0090-00005	CIVIL/STRUCTURAL STANDARDS - STRUCTURAL STEEL SHEET 5 TYPICAL SECTIONS AND DETAILS	Bechtel	ACC	04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-S0-0090-00006	CIVIL/STRUCTURAL STANDARDS - STRUCTURAL STEEL SHEET 6 TYPICAL SECTIONS AND DETAILS	Bechtel	STG	04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-S0-0090-00007	CIVIL/STRUCTURAL STANDARDS - STRUCTURAL STEEL SHEET 7 TYPICAL SECTIONS AND DETAILS	Bechtel	ACC	04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-S0-0090-00008	CIVIL/STRUCTURAL STANDARDS - STRUCTURAL STEEL SHEET 8 ERECTION & CONSTRUCTION TYPICAL SECTIONS AND DETAILS	Bechtel	STG	04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Document	25542----	STATEMENT OF SPECIAL INSPECTIONS - BECHTEL CIVIL/STRUCTURAL WORK (CBC CH. 17)	Bechtel		20-Dec-10 A		#VALUE!		C031	20-Dec-10 A		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Drawing	25542-000-C0-0090-00001	SITE WORK SHEET 1 - NOTES, LEGEND AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-C0-0090-00002	SITE WORK SHEET 2 EROSION AND SEIMENT CONTROL SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-C0-0090-00003	SITE WORK SHEET 3 - TYPICAL FENCING SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-C0-0090-00004	SITE WORK SHEET 4 - TYPICAL GRADING AND SURFACING DETAILS	Bechtel			Y													
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-C0-0090-00005	SITE WORK SHEET 5 - TYPICAL GRADING AND SURFACING DETAILS	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-C0-0090-00006	SITE WORK SHEET 6 - TYPICAL FENCING SECTIONS AND DETAILS	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-C2-0000-00001	SITE PLAN	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-C2-0000-00002	ViCINITY PLAN	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-C2-0000-00003	TOPOGRAPHY PLAN	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-C2-0010-00001	UNITS 1, 2 COMMON FENCE PLAN	Bechtel			Y													
CIVIL-1		Approval	Civil	Drawing	25542-003-C2-0010-00001	CONSTRUCTION FACILITIES LAYOUT ARRANGEMENT UNIT 3 POWER BLOCK	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-009-C2-0010-00002	Common Area Construction Facilities Plan	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Drawing	25542-009-C2-0010-00003	CONSTRUCTION FACILITIES COMMON OFFICE AREA LAYOUT	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-009-C2-0010-00005	CONSTRUCTION FACILITIES COMMON OFFICE AREA LAYOUT	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-009-C2-0010-00006	CONSTRUCTION FACILITIES HAB AREA LAYOUT	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-009-C2-0090-00001	CONSTRUCTION FACILITIES COMMON OFFICE AREA SECTIONS AND DETAILS	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-C2-0010-00003	Power Block Construction Facilities Plan	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CD-0000-00001	Hydrology Map Pre-Development	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CD-0000-00002	Hydrology Map Post-Development	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CD-0090-00001	UNIT 1 AND COMMON PLANT ROAD CROSS DRAINS PLANS, SECTIONS AND TABLES	Bechtel			Y													
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CD-0090-00002	STORM DRAINAGE SECTIONS AND DETAILS	Bechtel			Y													
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CD-0090-00003	UNIT 2 PLANT ROAD CROSS DRAINS PLANS, SECTIONS AND TABLES	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-001-CD-0000-00001	Hydrology Map Post-Development Power Block	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
CIVIL-1	NA	Approval	Civil	Drawing	25542-002-CD-0000-00001	IVANPAH 2 HYDROLOGY PLAN - POST DEVELOPMENT	Bechtel			Y													
CIVIL-1	NA	Approval	Civil	Drawing	25542-002-CD-0000-00002	IVANPAH 2 POWER BLOCK HYDROLOGY PLAN - POST DEVELOPMENT	Bechtel			Y													
CIVIL-1	NA	Approval	Civil	Drawing	25542-003-CD-0000-00001	IVANPAH 3 HYDROLOGY PLAN - POST DEVELOPMENT	Bechtel			Y													
CIVIL-1	NA	Approval	Civil	Drawing	25542-003-CD-0000-00002	IVANPAH 3 POWER BLOCK HYDROLOGY PLAN - POST DEVELOPMENT	Bechtel			Y													
CIVIL-1	NA	Approval	Civil	Drawing	25542-009-CD-0000-00001	IVANPAH COMMON AREA - ADMINISTRATION BUILDING / WELL HYDROLOGY PLAN - POST DEVELOPMENT	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-C2-0010-00001	FENCING PLAN -SHEET 1	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-C2-0010-00002	FENCING PLAN - SHEET 2	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-001-C2-0010-00001	CONSTRUCTION FACILITIES LAYOUT ARRANGEMENT UNIT 1 POWER BLOCK	Bechtel			Y													
S&W-1 / CIVIL-1	6/15/2012 A	Approval	Civil	Drawing	25542-001-C2-0011-00001	IVANPAH 1 PLAN - DISTURBANCE AREA	Bechtel			Y													

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-009-C2-0011-00001	COMMON AREA PLAN - DISTURBANCE AREAS	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CE-0010-00001	EROSION AND SEDIMENT CONTROL	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
CIVIL-1	NA	Approval	Civil	Drawing	25542-002-CE-0010-00001	IVANPAH 2 - EROSION AND SEDIMENT CONTROL PLAN	Bechtel			Y													
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CG-0090-00001	GRADING AND SURFACING DETAILS FOR EPHEMERAL WASH CROSSING	Bechtel			Y													
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CG-0090-00002	POWER BLOCK ROUGH GRADING SECTIONS	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-001-CG-0010-00001	POWER BLOCK 1 - ROUGH GRADING & DRAINAGE PLAN	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
CIVIL-1	NA	Approval	Civil	Drawing	25542-001-CG-0011-00001	WASH CROSSINGS AT DEPTHS GREATER THAN 3'-0" AT ROAD/PATH INTERSECTIONS	Bechtel			Y													
CIVIL-1	NA	Approval	Civil	Drawing	25542-001-CG-0011-00002	WASH CROSSING AT DEPTHS OF 2'-0" TO 3'-0" AT ROAD/PATH INTERSECTIONS	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-001-CG-0090-00001	POWER BLOCK 1 - ROUGH GRADING & DRAINAGE PROFILE & SECTIONS	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-002-CG-0010-00001	POWER BLOCK 2 - ROUGH GRADING & DRAINAGE PLAN	Bechtel		Mar-11	Y	0		C042	Mar-11		0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-002-CG-0090-00001	POWER BLOCK 2 - ROUGH GRADING & DRAINAGE PROFILE & SECTIONS	Bechtel		Mar-11	Y	0		C042	Mar-11		0	0	0	0	0	0	0	0
CIVIL-1	NA	Approval	Civil	Drawing	25542-002-CG-0011-00001	IVANPAH 2 - WASH CROSSINGS AT DEPTHS GREATER THAN 3'0" AT ROADWAY/PATH INTERSECTIONS	Bechtel			Y													
CIVIL-1	NA	Approval	Civil	Drawing	25542-002-CG-0011-00002	IVANPAH 2 - WASH CROSSINGS AT DEPTHS OF 2'0" TO 3'0" AT ROADWAY/PATH INTERSECTIONS	Bechtel			Y													
CIVIL-1	NA	Approval	Civil	Drawing	25542-002-CG-0011-00003	IVANPAH 2 - WASH CROSSINGS AT DEPTHS OF 1'0" TO 2'0" AT ROADWAY/PATH INTERSECTIONS	Bechtel			Y													
CIVIL-1	NA	Approval	Civil	Drawing	25542-002-CG-0011-00004	IVANPAH 2 - WASH CROSSINGS AT DEPTHS OF 1'0" TO 2'0" - LOCATION TABLES	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-003-CG-0010-00001	POWER BLOCK 3 - ROUGH GRADING & DRAINAGE PLAN	Bechtel		Mar-11		0		C046	Mar-11		0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-003-CG-0090-00001	POWER BLOCK 3 - ROUGH GRADING & DRAINAGE PROFILE & SECTIONS	Bechtel		Mar-11		0		C046	Mar-11		0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-009-CG-0010-00001	COMMON AREA - ROUGH GRADING PLAN	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
CIVIL-1	NA	Approval	Civil	Drawing	25542-009-CG-0010-00002	INVANPAH COMMON AREA ADMINISTRATION BUILDING AND WELLS ROUGH GRADING PLAN	Bechtel			Y													
CIVIL-1		Approval	Civil	Drawing	25542-009-CG-0010-00003	COMMON AREA HELIOSTAT BUILDING AND LAYDOWN AREA ROUGH GRADING PLAN	Bechtel			Y													
CIVIL-1		Approval	Civil	Drawing	25542-009-CG-0010-00004	IVANPAH COMMON AREA LADWPBOX CULVERTS AND CHANNEL GRADING PLAN AND DETAILS	Bechtel			Y													
CIVIL-1		Approval	Civil	Drawing	25542-009-CG-0012-00001	GALS LINE TIE AREA GRADING OLAN	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-009-CG-0090-00001	COMMON AREA - ROUGH GRADING & DRAINAGE PROFILE & SECTIONS	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
CIVIL-1	NA	Approval	Civil	Drawing	25542-009-CG-0090-00002	ADMINISTRATION BUILDING AND WELL AREA - ROUGH GRADING SECTIONS AND DETAIL	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-009-CG-0011-00001	EPHEMERAL WASH CROSSINGS	Bechtel		04-Jun-10 A		0		C100	04-Jun-10 A		0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-001-CS-0010-00001	POWER BLOCK 1 - FINISH GRADING & PAVING PLAN	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1		Approval	Civil	Drawing	25542-001-CS-0011-00001	IVANPAH 1 DIRT ROAD AND DIRT PATH PLAN	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-002-CS-0010-00001	POWER BLOCK 2 - FINISH GRADING & PAVING PLAN	Bechtel		29-Oct-10 A	Y	#VALUE!		C054	29-Oct-10 A		0	0	0	0	0	0	0	0
CIVIL-1	NA	Approval	Civil	Drawing	25542-002-CS-0011-00001	INANPAH 2 - DIRT ROAD AND HELIOSTAT MAINTENANCE PATH PLAN	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-003-CS-0010-00001	POWER BLOCK 3 - FINISH GRADING & PAVING PLAN	Bechtel		29-Oct-10 A		#VALUE!		C054	29-Oct-10 A		0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-009-CS-0010-00001	COMMON AREA - FINISH GRADING PLAN	Bechtel		29-Oct-10 A		#VALUE!		C054	29-Oct-10 A		0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00001	ROADWAY GRADING & PAVING PLAN - SHEET 1	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00002	ROADWAY GRADING & PAVING PLAN - SHEET 2	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00003	ROADWAY GRADING & PAVING PLAN - SHEET 3	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00004	ROADWAY GRADING & PAVING PLAN - SHEET 4	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00005	ROADWAY GRADING & PAVING PLAN - SHEET 5	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00006	ROADWAY GRADING & PAVING PLAN - SHEET 6	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00007	ROADWAY GRADING & PAVING PLAN - SHEET 7	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00008	ROADWAY GRADING & PAVING PLAN - SHEET 8	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00009	ROADWAY GRADING & PAVING PLAN - SHEET 9	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00010	ROADWAY GRADING & PAVING PLAN - SHEET 10	Bechtel		Mar-11	Y	0		C042	Mar-11		0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00011	ROADWAY GRADING & PAVING PLAN - SHEET 11	Bechtel		Mar-11		0		C042	Mar-11		0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00012	ROADWAY GRADING & PAVING PLAN - SHEET 12	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00013	ROADWAY GRADING & PAVING PLAN - SHEET 13	Bechtel		Mar-11	Y	0		C042	Mar-11		0	0	0	0	0	0	0	0
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00014	ROADWAY GRADING AND PAVING PLAN STA 20+87 TO 40+53 SHEET 14	Bechtel			Y													
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00015	ROADWAY GRADING AND PAVING PLAN STA 40+53 TO 60+20 SHEET 15	Bechtel			Y													
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00016	ROADWAY GRADING AND PAVING PLAN STA 60+20 TO 79+98 SHEET 16	Bechtel			Y													
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00017	ROADWAY GRADING AND PAVING PLAN STA 79+98 TO 99+94 SHEET 17	Bechtel			Y													
CIVIL-1		Approval	Civil	Drawing	25542-000-CS-0090-00005	UNIT 1 ROAD PROFILE	Bechtel			Y													
CIVIL-1		Approval	Civil	Drawing	25542-000-CS-0090-00006	UNIT 1 ROAD ALIGNMENT	Bechtel			Y													
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0090-00007	SWITCHYARD PROFILE AND ALIGNMENT	Bechtel			Y													
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0090-00008	UNIT 2 ROAD PROFILE AND ALIGNMENT	Bechtel			Y													
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0090-00009	UNIT 3 ROAD PROFILE SHEET 1	Bechtel			Y													
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0090-00010	UNIT 3 ROAD PROFILE AND ALIGNMENT SHEET 2	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-D0-0090-00001	CONCRETE SHEET 1 GENERAL NOTES AND LEGEND	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-D0-0090-00002	CONCRETE SHEET 2 TYPICAL SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-D0-0090-00003	CONCRETE SHEET 3 TYPICAL SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-D0-0090-00004	CONCRETE SHEET4 TYPICAL SECTIONS AND DETAILS	Bechtel			Y													
STRUC-2	NA	Approval	Civil	Drawing	25542-000-DA-3210-00001	STATION SERVICE TRANSFORMER PRECAST WALL PLAN, SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DA-3310-00001	TRANSFORMER AND AUXILIARY TRANSFORMER PRECAST WALL PLAN UNITS 1,2,3	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DA-3310-00002	TRANSFORMER AND AUXILIARY TRANSFORMER PRECAST WALL - ELEVATIONS AND DETAILS UNITS 1,2,3	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DA-3310-00003	GSU TRANSFORMER AND AUX TRANSFORMER PDN PRECAST WALL SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DA-9010-00001	COMMON AREA HELIOSTAT ASSEMBLY AND PAD BONDING MACHINE BUILDING PRECAST BLOCK ARRANGEMENT PLAN	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DA-9010-00002	COMMON AREA HELIOSTAT ASSEMBLY AND PAD BONDING MACHINE BUILDING PRECAST BLOCK PLAN AND SECTIONS	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DA-9010-00003	Common Area HAB Precast Block Plan and Sections	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-0100-00001	POWER BLOCK SUMP PLAN & SECTIONS	Bechtel		Mar-11		0		C032	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-0410-00001	Steam Turbine Platform FOUNDATION PLAN	Bechtel		Jun-11		#VALUE!		C030	01-Oct-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-0490-00001	Steam Turbine Platform FOUNDATION SECTIONS & DETAILS	Bechtel		Jun-11		#VALUE!		C030	01-Oct-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1110-00001	IVANPAH 1, 2, AND 3 SOLAR TOWER FOUNDATION PLAN, SECTION AND DETAILS	Bechtel		20-Dec-10 A	Y	#VALUE!		C031	20-Dec-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1120-00001	Solar TOWER ELEVATED SLAB PLANS	Bechtel		Jun-11		#VALUE!		C031	20-Dec-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1190-00001	IVANPAH 1, 2, AND 3 SOLAR TOWER FOUNDATION DETAILS AND SECTIONS	Bechtel		20-Dec-10 A	Y	#VALUE!		C031	20-Dec-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1110-00001	Solar TOWER FOUNDATION REINFORCING PLAN	Bechtel		20-Dec-10 A	Y	#VALUE!		C031	20-Dec-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1190-00001	Solar TOWER FOUNDATION REINFORCING SECTIONS & DETAILS	Bechtel		20-Dec-10 A	Y	#VALUE!		C031	20-Dec-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1410-00001	POWER BLOCK AREA SUMP PLAN AND SECTIONS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-1410-00002	EDT IDT PIT AND FOUNDATION PLAN	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-1410-00003	ED ID PUMP FOUNDATION PLAN AND SECTION	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-1410-00004	EDT IDT TANK FOUNDATION LAN AND SECTION	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-1410-00005	SUPPORTSAND DUCT DRAIN FOUNDATION PLAN REINFORCING SECTION AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DG-1490-00001	EDT IDT REINFORCING SECTION AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-1410-00002	DESIGN OF EDT IDT PIT	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-1910-00001	DESIGN OF AUXILIARY BOILER SUMP	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-1910-00002	DESIGN OF FOUNDATION OF AUXILIARY BOILER	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-1910-00003	DESIGN OF BOILER CIRCULAR PUMP UPS ELECTRICAL EQUIPMENT MODULE	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-1910-00004	DESIGN OF AUXILIARY BOILER PIPE RACK FOUNDATION	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1910-00001	AUXILIARY BOILER SUMP PLANS, SECTIONS AND DETAILS	Bechtel		Jun-11	Y	0		C010	Jun-11		0	0	0	0	0	0	0	0
STRUC-1	6/15/2012	Approval	Civil	Drawing	25542-000-DB-1910-00002	AUXILIARY BOILER FOUNDATION PLAN	Bechtel			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
STRUC-1		Approval	Civil	Drawing	25542-000-DB-1910-00003	BOILER CIRC WATER PUMP UPS BATTERY MODULE FOUNDATION PLAN AND SECTIONS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-1910-00004	AUXILIARY BOILER PIPERACK FOUNDATION PLAN, SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1990-00001	AUXILIARY BOILER FOUNDATION SECTIONS & DETAILS	Bechtel		Jun-11	Y	0		C010	Jun-11		0	0	0	0	0	0	0	0
STRUC-1		Approval	Civil	Drawing	25542-000-DB-1990-00002	AUXILIARY BOILER FOUNDATION DETAILS AND SECTIONS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DG-1990-00001	AUXILIARY BOILER FOUNDATION SECTIONS, ELEVATION AND DETAIL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-2210-00002	HEATER BAY FOUNDATION PLAN, SECTION AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-2210-00003	STG ELECTRICAL EQUIPMENT MODULE FOUNDATION PLAN, SECTION AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-2210-00004	IVANPAH UNITS 1 AND 2 MV, VFD ELECTRICAL EQUIPMENT MODULE FOUNDATION PLAN, SECTION AND DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-001-DB-2410-00001	STEAM TURBINE FOUNDATION PLAN	Bechtel		01-Oct-10 A	Y	#VALUE!		C030	01-Oct-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-2510-00001	DESIGN OF SUPPORT PADS FOR CRANE OUTRIGGERS	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-2210-00003	DESGIN OF STG ELECTRICAL EQUIPMENT MODULE FOUNDATION FOR UNIT 1, 2, 3	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-2210-00004	DESIGN OF VFD ELECTRICAL EQUIPMENT MODULE FOUNDATION	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-2210-00005	DESIGN OF FEEDWATER HEATER REMOVAL FOUNDATION	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-3310-00001	DESIGN OF FOUNDATION FOR MAIN AND AUX TRANSFORMER	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-3310-00002	DESIGN OF TRANSFORMER WING WALL AND FOUNDATION	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-3310-00001	GSU TRANSFORMER AND AUX TRANSFORMER PLAN AND SECTIONS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-3310-00002	ISOPHASE BUS DUCT FOUNDATION TYPE F1 PLAN, SECTION AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DG-3390-00001	GSU TRANSFORMER AND AUX TRANSFORMER PLAN AND SECTIONS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DG-3390-00002	TRANSFORMER AND AUXILIARY TRANSFORMER FOUNDATION PLAN AND SECTIONS UNITS 1,2,3	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DG-3390-00003	GSU TRANSFORMER AND AUXILIARY TRANSFORMER WINGWALL FOUNDATION PLAN AND SECTIONS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-3510-00001	115KV SWITCHYARD CONCRETE FOUNDATION GENERAL ARRANGEMENT PLAN	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-3510-00001	115KV TRANS LINE SUPPORT STRUCTURES - DRILLED PIER FOUNDATION DESIGN CALCULATION	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-3510-00002	115KV TRANSMISSION LINE - CIRCUIT BREAKER FOUNDATION AND ANCHOR BOLT EMBEDMENT DESIGN CALCULATION	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-3510-00003	115KV TRANSMISSION LINE - CURRENT TRANSFORMER, VOLTAGE TRANSFORMER, SURGE ARRESTER SUPPORT, BUS SUPPORT AND DISCONNECT SWITCH CAISSON REINFORCEMENT AND ANCHOR BOLT EMBEDMENT DESIGN CALCULATION	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-3590-00001	115KV SWITCHYARD CONCRETE FOUNDATION TYPE F1	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-3590-00002	115KV SWITCHYARD CONCRETE FOUNDATION TYPE F2	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-3710-00001	EMERGENCY DIESEL GENERATOR FOUNDATION PLAN AND SECTIONS	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-3710-00001	DESIGN OF FOUNDATIONFOR EMERGENCY DIESEL GENERATOR	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-2510-00002	SUPPORT PADS FOR CRANE OUTRIGGER	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-2510-00001	SUPPORT PADS FOR CRANE OUTRIGGER	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-6910-00001	DESIGN OF FOUNDATION FOR FUEL GAS SEPARATOR SKID	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-6910-00001	FUEL GAS SEPARATOR SKID FOUNDATION PLAN, SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7710-00001	DESIGN OF TANK AREA SUMP	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7710-00001	TANK AREA SUMP PLANS SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7210-00001	DESIGN OF FOUNDATION FOR CONDENSATE POLISHER EQUIPMENTS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7210-00002	DESIGN OF CONDENSATE PUMP FOUNDATION FOR UNITS 1, 2, AND 3	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7210-00001	AIR COOLED CONDENSER FOUNDATION PLAN	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7210-00002	CONDENSATE POLISHER FOUNDATION PLAN AND SECTION	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7210-00004	CONDENSATE PUMP A AND B FOUNDATION PLAN AND SECTIONS	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7210-00005	DESIGN OF FOUNDATION FOR CONDENSATE COLLECTION TANK FOR UNIT 1, 2, AND 3 CALCULATION	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7210-00005	CONDENSATE COLLECTION TANK FOUNDATION PLAN AND SECTION FOR UNITS 1, 2, 3	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7210-00006	DESIGN OF FOUNDATION FOR AIR COOLED CONDENSER DUCT SUPORTS	Bechtel			Y													
STRUC-1	6/15/2012	Approval	Civil	Drawing	25542-000-DB-7210-00006	ACC STEAM DUCT SUPPORTS FOUNDATION PLAN	Bechtel			Y													

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STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7210-00007	DESIGN OF ACC ELECTRICAL EQUIPMENT MODULE FOUNDATION FOR UNIT 1, 2, 3	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7210-00007	ACC ELECTRICAL EQUIPMENT MODULE FOUNDATION PLAN, SECTION AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7210-00008	DESIGN OF FOUNDATION FOR CONDENSER VACUUM PUMP FOR UNIT 1/2/3	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7210-00008	IVANPAH 1,2 AND 3 CONDENSER VACUUM PUMPS FOUNDATION PLAN AND SECTIONS	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7210-00009	DESIGN OF SUNSHADE FOUNDATION ACC AREA	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7210-00009	CHEMICAL UNLOADING ACC AREA FOUNDATION PLAN, SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7210-00010	CLEANING WATER PUMP FOUNDATION PLAN AND SECTION	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7210-00011	NITROGEN BOTTLE RACK AND MANIFOLD FOUNDATION PLAN, SECTIONS AND DETAIL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DBC-7210-00011	DESIGN OF FOUNDATION FOR CLEARING WATER PUMP	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DBC-7210-00012	DESIGN OF FOUNDATION FOR NITROGEN MANIFOLD	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7310-00001	DESIGN OF FOUNDATION FOR CENTRIFUGAL PUMPS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7310-00001	RAW WATER FORWARDING PUMP FOUNDATION PLAN SECTION AND DETAIL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7310-00002	MIRROR WASH WATER TRANSFER PUMP FOUNDATION PLAN SECTION AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7310-00003	POTABLE/DEMINERALIZED/WASTE WATER PUMP FOUNDATION PLAN SECTION AND DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7310-00004	DESIGN OF FOUNDATION FOR CLOSED COOLING WATER PUMPS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7310-00004	CLOSED COOLING WATER PUMP FOUNDATION PLAN SECTION AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-9210-00001	DESIGN OF MISCELLANEOUS PIPE SUPPORT FOUNDATIONS IN WATER TREATMENT AREA	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-9210-00002	DESIGN OF MISCELLANEOUS PIPE SUPPORT FOUNDATIONS IN PIGGING STATION AND PIG LAUNCHER AREAS	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-9210-00003	DESIGN OF FOUNDATION FOR MISCELLANEOUS PIPE AND ELECTRICAL SUPPORTS (UNIT 1,2 AND 3)	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DBC-9210-00004	AUXILIARY STEAM (SA) SUPPLY SUPPORT FOUNDATION DESIGN	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DBC-9210-00005	AUXILIARY STEAM SUPPLY DRILLED PIER DESIGN	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00001	WATER TREATMENT AREA MISC PIPE SUPPORTS FOUNDATION PLAN SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00002	WATER TREATMENT AREA MISC PIPE SUPPORTS FOUNDATION PLAN SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00003	WATER TREATMENT AREA MISC PIPE SUPPORTS FOUNDATION PLAN SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00004	WATER TREATMENT AREA MISC PIPE SUPPORTS FOUNDATION PLAN SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00005	WATER TREATMENT AREA MISC PIPE SUPPORTS FOUNDATION PLAN SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00006	WATER TREATMENT AREA MISC PIPE SUPPORTS FOUNDATION PLAN SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00008	MISCELLANEOUS PIPE SUPPORT (MPS) FG SYSTEMS PLAN, SECTION AND SCHEDULE	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00009	ACC AREA MISC PIPE SUPPORTS FOUNDATION PLAN S AND SECTIONS UNITS 1,2,3	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00010	ACC AREA MISC PIPE SUPPORTS FOUNDATION PLAN AND SECTIONS UNITS 1,2,2	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00011	MISC PIPE SUPPORTS FOUNDATION PLAN, SECTIONS AND DETAIL UNITS 1,2,3	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00012	MISC PIPE SUPPORTS (MPS) PLAN, SECTION AND SCHEDULE UNITS 1,2,3	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00013	MISC PIPE SUPPORTS (MPS) PLAN, SECTION AND SCHEDULE UNITS 1,2,3	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00014	MISC PIPE SUPPORT (MPS) FOUNDATION PLAN, SECTION AND SCHEDULE UNITS 1,2,2	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00015	MISC PIPE SUPPORT (MPS) FOUNDATION PLAN, SECTION AND SCHEDULE UNITS 1,2,2	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00016	MISC PIPE SUPPORT (KERN RIVER) FOUNDATION PLAN, SECTION AND SCHEDULE UNITS 1,2,3	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00017	MISC CABLE TRAY AND INSTRUMENT JB SUPPORT FOUNDATION PLAN, SECTION AND SCHEDULE UNITS 1,2,3	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00020	IVANPAH 1,2 AND 3 SA PIPE SUPPORT FOUNDATION PLAN, SECTION AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-001-DD-2210-00001	IVANPAH 1 LUBE OUL FOUNDATION PLAN EMBEDDED PLATES PLAN AND DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-001-DD-2410-00001	STG FOUNDATION PLAN ANCHOR BOLTS AND EMBEDDED PLATES	Bechtel			Y													
STRUC-1	6/15/2012 G	Approval	Civil	Drawing	25542-001-DD-2410-00002	STEAM TURBINE GENERATOR FOUNDATION PLAN EMBEDDED PLATES	Bechtel			Y													

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STRUC-1	G	Approval	Civil	Drawing	25542-001-DD-2490-00001	STEAM TURBINE GENERATOR FOUNDATION EMBEDDED PLATES ELEVATIONS AND SECTIONS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-001-DD-2490-00002	STGFOUNDATION PLAN ANCHOR BOLTS AND EMBEDDED PLATES	Bechtel			Y													
STRUC-1	N	Approval	Civil	Drawing	25542-000-DD-7110-00001	DEMINERALIZER WATER TRAILER ANCHOR BOLT ARRANGEMENT PLAN	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-DG-1110-00001	IVANPAH 1, 2 AND 3 SOLAR TOWER FOUNDATION REINFORCING PLAN, TOP BARS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-DG-1110-00002	IVANPAH 1, 2 AND 3 SOLAR TOWER FOUNDATION REINFORCING PLAN, BOTTOM BARS	Bechtel			Y													
STRUC-1	N	Approval	Civil	Drawing	25542-000-DB-1111-00001	SOLAR TOWER MODULE FOUNDATIONS PLAN SECTION AND DETAIL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-1110-00001	SOLAR TOWER FOUNDATION PLAN, SECTION AND DETAILS UNITS 1,2,3	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-1110-00002	IVANPAH UNITS 1, 2 AND 3 FEEDWATER HEATER REMOVAL FOUNDATION PLAN, SECTION AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-1190-00001	IVANPAH 1, 2, AND 3 SOLAR TOWER FOUNDATION DETAILS AND SECTIONS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-DG-1190-00001	IVANPAH 1, 2 AND 3 SOLAR TOWER FOUNDATION REINFORCING SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-DG-1190-00002	IVANPAH 1, 2 AND 3 SOLAR TOWER FOUNDATION REINFORCING SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-001-DG-2290-00001	IVANPAH 1 LUBE OIL FOUNDATION REINFORCING SECTION AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-001-DG-2290-00002	IVANPAH 1 LUBE OIL FOUNDATION REINFORCING SECTION AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-001-DG-2290-00003	IVANPAH 1 LUBE OIL FOUNDATION PLAN SECTION AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DG-2290-00004	HEATER BAY FOUNDATION REINFORCING SECTION AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DG-2290-00005	HEATER BAY FOUNDATION PLAN, SECTION AND DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-DG-7190-00001	WET WSAC COOLER AND SPRAY PUMP SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-DG-7190-00002	DRY WSAC COOLER TYPE F1 AND F2 FOUNDATION PLANS SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-DG-7290-00001	AIR COOLED CONDENSER FOUNDATION TYPE F1, F2 AND F3 PLAN AND SECTIONS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-DG-7290-00002	AIR COOLED CONDENSER FOUNDATION TYPE F4, F5, F5A, AND F6 PLAN AND SECTIONS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-DG-7290-00003	AIR COOLED CONDENSER FOUNDATION TYPE F7 AND F8 PLANS AND SECTIONS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DG-7290-00004	CONDENSATE POLISHER FOUNDATION DETAILS AND SECTIONS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DG-7290-00005	ACC STEAM DUCT SUPPORTS FOUNDATIONS TYPE F1, F2, AND F3 PLAN AND SECTIONS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DG-7290-00006	ACC STEAM DUCT SUPPORTS FOUNDATIONS TYPE F4, F5, AND F6 PLAN AND SECTIONS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DG-7290-00007	ACC STEAM DUCT SUPPORTS FOUNDATIONS TYPE F17 PLAN AND SECTIONS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DG-7290-00008	IVANPAH 1, 2 AND 3 CONDENSER VACUUM PUMPS FOUNDATION PLANS AND SECTIONS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-001-DB-2410-00001	STG FOUNDATION NEATLINE PLAN AND SECTIONS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-001-DG-2410-00001	STG FOUNDATION REINFORCING PLAN	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-001-DG-2490-00001	STEAM TURBINE SECTIONS & DETAILS	Bechtel		01-Oct-10 A	Y	#VALUE!		C030	01-Oct-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-001-DG-2490-00002	STEAM TURBINE SECTIONS & DETAILS	Bechtel		01-Oct-10 A	Y	#VALUE!		C030	01-Oct-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-DG-3290-00001	PLANT SERVICE BUILDING ELECTRICAL VAULT REINFORCING SECTION AND DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-DG-3290-00002	PLANT SERVICE BUILDING ELECTRICAL VAULT REINFORCING SECTION AND DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-DG-3290-00003	PSB ELECTRICAL CABLE PIT SUSPENDED DECKING REINFORCEMENT SECTION AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DG-3290-00004	STATION SERVICE TRANSFORMER REINFORCING SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-3110-00001	Plant Services Foundation PLAN	Bechtel		18-Feb-11 A		#VALUE!		C028	18-Feb-11 A		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-3210-00001	ELECTRICAL MODULE SLAB PLAN	Bechtel		Jun-11	Y	0		C034	Jun-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-3210-00002	ELECTRICAL MODULE SLAB PLAN	Bechtel		Jul-11	Y	0		C035	Jul-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Drawing	25542-001-DB-2210-00001	IVANPAH 1 LUBE OIL FAOUNDATION PLAN SECTION AND DETAILS	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-3210-00005	1200 AMP ELECTRICAL SWITCHBOARD FOUNDATION PLAN AND SECTIONS	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-3210-00006	1201 AMP ELECTRICAL SWITCHBOARD FOUNDATION PLAN AND SECTIONS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-3210-00008	GENERATOR CIRCUIT BREAKER SUPPORTING STEEL STRUCTURE FOUNDATION PLAN, SECTIONS AND DETAIL	Bechtel			Y													
STRUC-1	6/15/2012 A	Approval	Civil	Drawing	25542-000-DB-3210-00009	PSB ELECTRICAL CABLE PIT SUSPENDED DECKING REINFORCEMENT SECTION AND DETAILS	Bechtel			Y													

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STRUC-1		Approval	Civil	Drawing	25542-000-DB-3210-00010	STATION SERVICE TRANSFORMER FOUNDATION PLAN, SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-3210-00011	WD-ET-001A/001B MCC TRANSFORMER WTA FOUNDATION PLAN AND SECTION	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-3210-00012	AA-ET-001A/001B MCC TRANSFORMER AUXILIARY BOILER AREA FOUNDATION PLAN AND SECTIONS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-3210-00013	EC-ET-001/002 MCC TRANSFORMER SWITCHYARD AREA FOUNDATION PLAN AND SECTION	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-3210-00014	AC-ET-001-MCC TRANSFORMER STG AREA FOUNDATION PLAN AND SECTION	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-3210-00015	AD-ET-001A/B/C/D MCC TRANSFORMER ACC AREA FOUNDATION PLAN AND SECTION	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-3210-00016	PDU SOLAR FIELD FOUNDATION PLAN AND SECTIONS	Bechtel			Y													
STRUC-1		Reference	Civil	Drawing	25542-001-DB-3210-00017	PDU SOLAR FIELD UNIT 1 LOCATION LAYOUT PLAN	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-3210-00001	DESIGN OF ELECTRICAL CABLE PIT FOR PLANT SERVICE BUILDING	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-3210-00009	DESIGN OF GRADE SLAB AND SUSPENDED SLAB FOR PSB BUILDING	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-009-DB-1111-00001	SRSG MODULE FOUNDATIONS (TEMP.) PLAN, SECTION AND DETAILS	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-3210-00001	COMMON AREA ELECTRICAL MODULE (33KV SWITCHGEAR) FOUNDATION PLAN AND SECTION	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-3210-00002	COMMON AREA 500 KVA PAD MOUNTED TRANSFORMER FOR PLANT LAYDOWN AREA FOUNDATION PLAN AND SECTION	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-3210-00003	COMMON AREA 1000KVA PAD MOUNTED TRANSFORMER FOR CONSTRUCTION OFFICES FOUNDATION PLAN AND SECTION	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-3210-00004	COMMON AREA 1000KVA PAD MOUNTED TRANSFORMER FOR CONSTRUCTION ADMIN BUILDING PLAN AND SECTION	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-3210-00005	DESIGN OF FOUNDATION FOR PAD MOUNTED 1500KVA TRANSFORMER FOR HELIOSTAT ASSEMBLY BUILDING	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-3210-00007	EXCITATION TRANSFORMER FOUNDATION PLAN AND SECTION	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-009-DB-3210-00008	DESIGN OF FOUNDATION FOR 800 AMP ELECTRICAL SWITCHBOARD mdb-7 AND EQUIPMENT RACK	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-009-DBC-3210-00008	ELECTRICAL RACK AND MDB-1 SWITCHBOARD FOUNDATION PLAN AND SECTION	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-009-DB-3710-00001	IVANPAH COMMON AREA EMERGENCY DIESEL GENERATOR FOUNDATION PLAN AND SECTIONS	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-009-DBC-3710-00001	DESIGN OF FAOUNDATION FOR EMERGENCY DIESEL GENERATOR CALCULATION	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-009-DB-7310-00001	COMMON AREA RAW WATER TRANSFER PUMP FOUNDATION PLAN, SECTION AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-009-DBC-7310-00001	DESIGN OF FOUNDATION FOR RAW WATER TRANSFER PUMPS	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-009-DBC-9010-00004	DESIGN OF MISC EQUIPMENT FOUNDATIONS NEAR HELIOSTAT AND PAD BONDING BUILDING	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9010-00005	AIR HANDLING UNITS AND ENERGY RECOVERY VENTILATORS FOUNDATION PLAN	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9010-00006	AIR HANDLING UNITS AND ENERGY RECOVERY VENTILATORS FOUNDATION PLAN, SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-009-DBC-9010-00010	DESIGN OF MISCELLANEOUS PIPE SUPPORT FOUNDATIONS IN THE COMMON AREA	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-3310-00001	MCC TRANSFORMER FOUNDATION PLAN & SECTIONS	Bechtel		Jun-11		0		C029	Jun-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	Civil	Drawing	25542-000-DB-3410-00001	UNIT AUXILIARY & GENERATOR STEP-UP TRANSFORMER FOUNDATION PLAN	Bechtel		Mar-11		0		C043	Mar-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	Civil	Drawing	25542-000-DB-3490-00001	UNIT AUXILIARY & GENERATOR STEP-UP TRANSFORMER FOUNDATION SECTIONS	Bechtel		Mar-11		0		C043	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-3710-00001	EMERGENCY DIESEL GENERATOR	Bechtel		Jun-11	Y	-59		C017	Apr-11		0	0	0	0	0	0	0	0
TSE-5	T	Approval	Civil	Drawing	25542-000-DB-3810-00001	GENERATOR CIRCUIT BREAKER & EXCITATION TRANSFORMER FOUNDATION PLAN	Bechtel		May-11		0		C033	May-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-6110-00001	LUBE OIL/DIESEL UNLOADING & STG LAYDOWN AREA SLAB PLAN & SECTIONS	Bechtel		Mar-11		0		C039	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7110-00001	WATER TREATMENT AREA SLAB PLAN	Bechtel		Mar-11	Y	0		C048	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7110-00002	WATER TREATMENT AREA EQUIPMENT PAD PLAN	Bechtel		Mar-11	Y	0		C049	Mar-11		0	0	0	0	0	0	0	0
STRUC-2	G	Approval	Civil	Drawing	25542-000-DB-7110-00003	WATER TREATMENT AREA ELECTRIC EQUIPMENT MODULE (EEM) FDN PLAN, SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7110-00004	SRSG BLOW DOWN COOLER FOUNDATION PLAN, SECTION AND DETAIL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7110-00005	DEMINERALIZED SWAS BUILDING FOUNDATION - WT AREA	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7110-00006	WATER TREATMENT AREA SUNSHADE FOUNDATION PLAN, SECTIONS AND DETAILS	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7110-00007	PLANT AIR EQUIPMENT FOUNDATION PLANS AND SECTIONS	Bechtel			Y													
STRUC-1	6/15/2012	Approval	Civil	Drawing	25542-000-DB-7110-00008	PLANT AIR EQUIPMENT FOUNDATION PLANS AND SECTIONS	Bechtel			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7190-00001	WATER TREATMENT AREA SECTIONS & DETAILS	Bechtel		Mar-11		0		C048	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7210-00001	AIR COOLED CONDENSER FOUNDATIONS PLAN	Bechtel		02-Feb-11 A	Y	#VALUE!		C014	02-Feb-11 A		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-7210-00003	CONDENSATE POLISHER SUMP PLANS AND SECTIONS	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-7211-00001	DRY DELUGED AUXILIARY COOLER FOUNDATION PLAN & SECTIONS	Bechtel		Mar-11		0		C015	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7510-00001	FIRE WATER PUMP HOUSE FOUNDATION PLAN SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7610-00001	DEMINERALIZED WATER STORAGE TANK FOUNDATION PLAN - FIRE/RAW WATER STORAGE TANK FOUNDATION PLAN, SECTIONS AND DETAIL	Bechtel		Mar-11	Y	0		C023	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7610-00002	RAW WATER SUPPLY STORAGE TANK FOUNDATION PLAN	Bechtel			Y	40605		C021	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7610-00003	MIRROR WASH STORAGE TANK FOUNDATION PLAN STORAGE TANK	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7610-00004	POTABLE WATER TANK FOUNCATION PLAN, SECTION AND DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7710-00001	TANK AREA SUMP PLANS, SECTIONS AND DETAILS	Bechtel		Jun-11	Y	0		C044	Jun-11		0	0	0	0	0	0	0	0
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7710-00002	WASTE WATER TANK FOUNDATION PLAN SECTION AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-002-DB-2210-00001	LUBE OIL UNIT 2 FOUNDATION PLAN, SECTION AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-002-DBC-2410-00001	STEAM TURBINE GENERATOR FOUNDATION - ANALYSIS AND DESIGN	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-002-DB-2410-00001	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION NEAT LINE PLAN AND SECTIONS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-002-DB-3210-00018	PDU SOLAR FIELD UNIT 2 LOCATION LAYOUT PLAN				Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DD-2210-00002	HEATER BAY FOUNDATION PLAN AND EMBEDDED PLATES	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DD-2410-00001	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION PLAN -ANCHOR BOLTS AND EMBEDDED PLATES	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DD-2410-00002	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION PLAN - EMBEDDED PLATES	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-DD-2210-00001	LUBE OIL UNIT 2 FOUNDATION PLAN, EMBEDDED PLATES, PLAN AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-002-DD-2490-00001	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION - EMBEDDED PLATES ELEVATIONS AND SECTIONS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-002-DD-2490-00002	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION - EMBEDDED PLATES/BOLTS FOR ENCLOSURE	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-002-DG-2290-00001	LUBE OIL UNIT 2 FOUNDATION REINFORCING SECTION AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-002-DG-2290-00002	LUBE OIL UNIT 2 FOUNDATION REINFORCING SECTION AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-002-DG-2290-00003	LUBE OIL UNIT 2 FOUNDATION PLAN, SECTION AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-002-DG-2410-00001	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION REINFORCING - PLAN	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-002-DG-2490-00001	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION REINFORCING - SECTS AND DETS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-002-DG-2490-00002	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION REINFORCING - SECTS AND DETS	Bechtel			Y													
STRUC-2		Approval	Civil	Drawing	25542-003-DB-2210-00001	LUBE OIL UNIT 3 FOUNDATION PLAN, SECTION AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-003-DB-2410-00001	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION -NEAT LINE PLAN AND SECTIONS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-003-DB-3210-00019	PDU SOLAR FIELD UNIT 3 LOCATION LAYOUT PLAN	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-003-DD-2210-00001	LUBE OIL UNIT 3 FOUNDATION PLAN, EMBEDDED PLATES PLAN AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-003-DD-2410-00001	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION - ANCHOR BOLTS AND EMBEDDED PLATES	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-003-DD-2410-00002	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION - EMBEDED PLATES	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-003-DD-2490-00001	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION - EMBEDDED PLATES ELEVATIONS AND SECTIONS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-003-DD-2490-00002	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION - EMBEDDED PLATES/BOLTS FOR ENCLOSURE	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-003-DG-2290-00001	LUBE OIL UNIT 3 FOUNDATION REINFORCING SECTION AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-003-DG-2290-00002	LUBE OIL UNIT 3 FOUNDATION REINFORCING SECTION AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-003-DG-2290-00003	LUBE OIL UNIT 3 FOUNDATION PLAN, SECTION AND DETAILS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-003-DG-2410-00001	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION REINFORCING - PLAN	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-003-DG-2490-00001	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION REINFORCING - SECTS AND DETS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-003-DG-2490-00002	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION REINFORCING - SECTS AND DETS	Bechtel			Y													
~~STRUC-1~~	6/15/2012	~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-DB-9010-00001~~	~~MISC. CONCRETE FOUNDATIONS~~	~~Bechtel~~	~~DELETE~~	~~Dec-10~~		0			Dec-10		0	0	0	0	0	0	0	0

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
STRUC-1	G	Approval	Civil	Drawing	25542-009-DB-7510-00001	COMMON AREA FIRE WATER PUMP HOUSE FOUNDATION PLAN AND SECTIONS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-009-DB-7610-00001	FIRE/RAW WATERSTORAGE TANK FOUNDATION PLAN, SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-9010-000##	CPDU FOUNDATIONS (HELIOSTAT FIELD)	Bechtel		Jun-11		#VALUE!		C038	03-Dec-10 A		0	0	0	0	0	0	0	0
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-009-DB-9010-00##~~	~~WEATHER STATION FOUNDATION~~	~~Bechtel~~	~~DELETE~~	~~Dec-10~~		0			Dec-10		0	0	0	0	0	0	1	0
STRUC-1	G	Approval	Civil	Drawing	25542-009-DB-9010-00001	MIRROR WASH TANK FOUNDATION PLAN -	Bechtel		Mar-11	Y	0		C022	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-9010-00002	COMMON AREA PBMB GRADE SLAB PLAN	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-9010-00003	COMMON AREA HAB THICKENING LAYOUT PLAN	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-9010-00004	COMMON AREA PBMB THICKENING LAYOUT PLAN	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9010-00008	COMMON AREA PBM WATER SYSTEM	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9010-00009	COMMON AREA MISCELLANEOUS PIPE SUPPORT	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9010-00010	COMMON AREA MISCELLANEOUS PIPE SUPPORT	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9010-00011	COMMON AREA FOUNDATION FOR PLATFORMS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9010-00012	COMMON AREA MISCELLANEOUS PIPE SUPPORT	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9010-00013	COMMON AREA FDN FOR PLATFORM AND MPS	Bechtel			N													
STRUC-1	NN	Approval	Civil	Drawing	25542-009-DB-9090-00001	COMMON AREA HAB GRADE SLAB SECTIONS	Bechtel			Y													
STRUC-1	N	Approval	Civil	Drawing	25542-009-DB-9090-00002	COMMON AREA PBMB GRADE SLAB SECTIONS	Bechtel			Y													
STRUC-1	N	Approval	Civil	Drawing	25542-009-DB-9090-00003	COMMON AREA HAB GRADE SLAB SECTIONS	Bechtel			Y													
STRUC-1	N	Approval	Civil	Drawing	25542-009-DB-9090-00004	COMMON AREA HAB GRADE SLAB SECTIONS	Bechtel			Y													
STRUC-1	N	Approval	Civil	Drawing	25542-009-DB-9090-00005	COMMON AREA PBMB GRADE SLAB SECTIONS	Bechtel			Y													
STRUC-1	N	Approval	Civil	Drawing	25542-009-DB-9090-00006	COMMON AREA HAB GRADE SLAB SECTIONS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9010-00007	COMMON AREA HELIOSTAT ASSEMBLY BUILDING	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-0410-00001	Steam Turbine Platform STRUCTURAL STEEL PLAN	Bechtel		Jun-11		-81		C040	Apr-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-0490-00001	Steam Turbine Platform STRUCTURAL STEEL ELEVATIONS & SECTIONS	Bechtel		Jun-11		-81		C040	Apr-11		0	0	0	0	0	0	0	0
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1010-00001	SRSG STRUCTURAL STEEL PLAN EL 451-1	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1010-00002	SRSG STRUCTURAL STEEL PLAN EL 460-7	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1020-00001	SRSG STRUCTURAL STEEL PLAN EL 472-3	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1020-00002	SRSG STRUCUTRAL STEEL PLAN EL 478-5	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1020-00003	SRSG STRUCUTRAL STEEL LOWER RH PANEL HEADER RESTRAINT STEEL PLAN AND ELEVATION	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1020-00004	SRSG STRUCTURAL STEEL UPPER RH AND LOWER SG PANEL HEADER RESTRAINT STEEL PLAN AND ELEVATION	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1030-00001	SRSG STRUCUTRAL STEEL PLAN EL 491-6	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1030-00002	SRSG STRUCUTRAL STEEL PLAN EL 500-10	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1040-00001	SRSG Structural Steel Plan at EL 511-3	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1040-00002	SRSG Structural Steel Plan at EL 516-9 and 524-9	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1040-00003	SRSG Structural Steel Plan UPR SG and LWR SH PNL HDR Restraint Steel	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1050-00001	SRSG Structural Steel Plan at EL 532-11 and 536-5	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1050-00002	SRSG Structural Steel Plan at EL 551-0	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1050-00003	SRSG Structural Steel - Silencer SPT El 555-9 and TMD SPT EL 556-3	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1050-00004	SRSG Structural Steel Upper SH Panel Header Restraint Steel	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1091-00001	SRSG Structural Steel Elevation on Grid 16 and 20	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1091-00002	SRSG Structural Steel Elevation on Grid 17 and 19	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1091-00003	SRSG Structural Steel Elevation on Grid D and P	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1091-00004	SRSG Structural Steel Elevation on Grid G.2 and L.2	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1091-00005	SRSG STRUCTURAL STEEL PROTECTION PANELS WEST ELEVATION	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1091-00006	SRSG STRUCTURAL STEEL PROTECTION PANELS NORTH ELEVATION	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1091-00007	SRSG STRUCTURAL STEEL PROTECTIONS PANELS EAST ELEVATION	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1091-00008	SRSG STRUCTURAL STEEL PROTECTION PANELS SOUTH ELEVATION	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1092-00001	SRSG Structural Steel Stair Landings Plans and Elevations	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1093-00001	SRSG Structural Steel Stair Elevations	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1094-00001	SRSG Structural Steel Columns Connection Details	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1095-00001	SRSG Structural Steel Extended and Interior Shear Tab BB Connection Details	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1095-00002	SRSG Structural Steel Beam to Column BC Connection Details	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1095-00003	SRSG Structural Steel Extended Shear Tab BW Connection Details	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1095-00004	SRSG Structural Steel Beam to Beam End Plate EP Connection Details	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1095-00005	SRSG Structural Steel Beam to Beam Clip Angle CA Connection Details	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1095-00006	SRSG Structural Steel Beam Bearing BE Connection Details	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1096-00001	SRSG Structural Steel Vertical Bracing VB Connection Details	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1096-00002	SRSG Structural Steel Vertical Bracing VB Connection Details	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1096-00003	SRSG Structural Steel Vertical Bracing VB Connection Details	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1096-00004	SRSG Structural Steel Vertical Bracing VB Connection Details	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1096-00005	SRSG Structural Steel Verical Bracing VB Connection Details	Bechtel			Y													

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1097-00001	SRSG Structural Steel Horizontal Bracing HB Connection Details	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1097-00002	SRSG Structural Steel Horizontal Bracing HB Connection Details	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1097-00003	SRSG Structural Steel Horizontal Bracing HB Connection Details	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00001	SRSG Structural Steel SH, SG and RH Panel Supports, Restraints and Guides - Connection Details	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00002	SRSG Structural Steel Pipe Supports, Restraints and Guides Connection Details	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00003	SRSG Structural Steel Pipe Supports, Restraints and Guides Connection Details	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00004	SRSG Structural Steel Pipe Supports, Restraints and Guides Connection Details	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00005	SRSG Structural Steel Pipe Supports, Restraints and Guides Connection Details	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00006	SRSG Structural Steel Pipe Supports, Restraints and Guides Connection Details	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00007	SRSG Structural Steel Pipe Supports, Restraints and Guides Connection Details	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00008	SRSG Structural Steel Pipe Supports, Restraints and Guides Connection Details	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1110-00001	TOWER STRUCTURAL STEEL PLAN @ EL 100'-0"	Bechtel		Mar-11	Y	0		C042	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1110-00002	TOWER STRUCTURAL STEEL PLAN @ EL 120'-0"	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1110-00003	TOWER STRUCTURAL STEEL PLAN @ EL 140'-0"	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1120-00001	TOWER STRUCTURAL STEEL PLAN @ EL 180'-0"	Bechtel		Mar-11	Y	0		C042	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1130-00001	TOWER STRUCTURAL STEEL PLAN @ EL 220'-0"	Bechtel		Mar-11	Y	0		C042	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1140-00001	TOWER STRUCTURAL STEEL PLAN @ EL 259'-0"	Bechtel		Mar-11	Y	0		C042	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1150-00001	TOWER STRUCTURAL STEEL PLAN @ EL 298'-0"	Bechtel		Mar-11	Y	0		C042	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1160-00001	TOWER STRUCTURAL STEEL PLAN @ EL 337'-0"	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1170-00001	TOWER STRUCTURAL STEEL PLAN @ EL 376'-0"	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1180-00001	TOWER STRUCTURAL STEEL PLAN @ EL 395'-0"	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1180-00002	TOWER STRUCTURAL STEEL PLAN @ EL 415'-0"	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1190-00001	TOWER STRUCTURAL STEEL PLAN @ EL 427'-0"	Bechtel		Mar-11	Y	0		C042	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1190-00002	TOWER STRUCTURAL STEEL PLAN @ EL 439'-0"	Bechtel		Mar-11	Y	0		C042	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1190-00003	Solar TOWER STRUCTURAL STEEL BASE PLATE DETAILS	Bechtel		Mar-11		0		C042	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1191-00001	TOWER STRUCTURAL STEEL NE AND NW ELEVATIONS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1191-00002	TOWER STRUCTURAL STEEL SE AND SW ELEVATIONS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1191-00003	TOWER STRUCTURAL STEEL ELEVATION AT COLUMN LINE 16	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1191-00004	TOWER STRUCTURAL STEEL ELEVATION AT COLUMN LINE 20	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1191-00005	TOWER STRUCTURAL STEEL ELEVATION AT COLUMN LINE D	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1191-00006	TOWER STRUCTURAL STEEL ELEVATION AT COLUMN LINE P	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1192-00001	TOWER STRUCTURAL STEEL STAIR LANDING PLANS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1193-00001	TOWER STRUCTURAL STEEL STAIR ELEVATION, EL 100'-0" TO 259'-0"	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1193-00002	TOWER STRUCTURAL STEEL STAIR ELEVATION, EL 259'-0" TO 439'0"	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1193-00003	TOWER STRUCTURAL STEEL STAIR EL GRID 17, EL 100 '-0" TO 439'0"	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1193-00004	TOWER STRUCTURAL STEEL STAIR EL GRID 19, EL 100 '-0" TO 439'0"	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1193-00005	TOWER STRUCTURAL STEEL STAIR EL GRID G, EL 100'-0" TO 259'-0"	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1193-00006	TOWER STRUCTURAL STEEL STAIR EL GRID G, EL 259'-0" TO 439'-0"	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1193-00007	TOWER STRUCTURAL STEEL STAIR EL GRID K, EL 100'0" TO 259'0"	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1193-00008	TOWER STRUCTURAL STEEL STAIR EL GRID K, EL 259'-0" TO 439'-0"	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1194-00001	STRUCUTRAL STEEL TOWER COLUMN BASE PLATES CONNETION DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1194-00002	STRUCTURAL STEEL STAIR TOWER BASE PLATE AND SPLICE CONNECTION DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1194-00003	STRUCTURAL STEEL TOWER COLUMN SPLICES CONNECTION DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1195-00001	STRUCTURAL STEEL EXTENDED SHEAR TAB BB CONNECTION DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1195-00002	STRUCTURAL STEEL EXTENDED SHEAR TAB BC CONNECTION DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1195-00003	STRUCTURAL STEEL BEAM TO BEAM WELDED CONNECTION BW CONNECTION DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1195-00004	STRUCTURAL STEEL BEAM TO BEAM END PLATE EP CONNECTION DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1195-00005	STRUCUTRAL STEEL EXTENDED SHEAR TABS BB CONNECTION DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1195-00006	STRUCTURAL STEEL BEAM COLUMN BC CONNECTION DETAIL	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1196-00001	STRUCTURAL STEEL VERTICAL BRACING VB CONNECTION DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1196-00002	STRUCTURAL STEEL VERTICAL BRACING VB AND KB CONNECTION DETAILS	Bechtel			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1196-00003	STRUCTURAL STEEL VERTICAL BRACING VB CONNECTION DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1196-00004	STRUCTURAL STEEL VERTICAL BRACING VB CONNECTION DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1196-00005	STRUCTURAL STEEL VERTICAL BRACING VB CONNECTION DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1196-00006	STRUCTURAL STEEL VERTICAL BRACING VB CONNECTION DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1197-00001	STRUCTURAL STEEL HORIZONTAL BRACING HB CONNECTION DETAIL	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1197-00002	STRUCTURAL STEEL HORIZONTAL BRACING HB CONNECTION DETAIL	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1197-00003	STRUCTURAL STEEL HORIZONTAL BRACING HB CONNECTION DETAIL	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1197-00004	STRUCTURAL STEEL HORIZONTAL BRACING HB CONNECTION DETAIL	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1197-00005	STRUCTURAL STEEL HORIZONTAL BRACING HB CONNECTION DETAIL	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1197-00006	STRUCTURAL STEEL HORIZONTAL BRACING HB CONNECTION DETAIL	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1197-00007	STRUCTURAL STEEL HORIZONTAL BRACING HB CONNECTION DETAIL	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1197-00008	STRUCTURAL STEEL HORIZONTAL BRACING HB CONNECTION DETAIL	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00001	STRUCTURAL STEEL VERTICAL BRACING VB - BEAM COLUMN BC CONNECTION DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00002	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00003	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00004	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00005	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00006	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00007	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00008	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00009	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00010	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1199-00001	TOWER STRUCTURAL STEEL MISCELLANEOUS SECTIONS AND DETAILS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1199-00002	TOWER STRUCTURAL STEEL CRANE TIE BACKS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1310-00001	BASE PLATE PLAN	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1310-00002	PLAN AT EL 111-6 1/2, 113-6 1/2	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1310-00003	PLAN AT EL 125-10 1/2 AND 132-6 3/8	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1310-00004	PLAN AT EL 139-10 1/2, 156-6, 143-0	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1320-00001	ELEVATION ON GRID 10 AND 11	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1320-00002	ELEVATION ON GRID 12, 14 AND 15	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1320-00003	ELEVATION ON GRID A, B.9, F AND L	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1320-00004	ELEVATION ON GRID N, S, V AND W	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1391-00001	COLUMN BASE PLATES CONNECTION DETAIL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1391-00002	COLUMN WEB TO BEAM CONNECTION DETAIL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1391-00003	COLUMN FLANGE TO BEAM CONNECTION DETAIL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1391-00004	COLUMN TO BEAM WELDED CONNECTION DETAIL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1392-00001	BEAM TO BEAM CONNECTION DETAIL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1393-00001	H_BRACE CONNECTION DETAIL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1393-00002	H_BRACE CONNECTION DETAIL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1393-00003	H_BRACE CONNECTION DETAIL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1393-00004	H_BRACE CONNECTION DETAIL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1394-00001	V_BRACE CONNECTION DETAIL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1394-00002	V_BRACE CONNECTION DETAIL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1394-00003	V_BRACE CONNECTION DETAIL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1394-00004	V_BRACE CONNECTION DETAIL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1394-00005	V_BRACE CONNECTION DETAIL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1394-00006	V_BRACE CONNECTION DETAIL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1395-00001	STUB COLUMN CONNECTION DETAIL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1395-00002	BEARING CONNETION DETAIL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1330-00001	GRATING PLAN AT EL 111-8	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1330-00002	GRATING PLAN AT EL 126-0	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1330-00003	GRATING PLAN AT EL 140-0	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00001	BASE PLATE PLAN AND CONN DETAIL PIPE RACK STRUCTURAL STEEL	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00002	PLAN AT EL 114-8 1/2 (TOS) PIPE RACK STRUCTURAL STEEL	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00003	PLAN AT EL 125-2 1/8 (TOS) PIPE RACK STRUCTURAL STEEL	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00004	ELEVATION ON GRID - RA AND RB PIPE RACK STRUCTURAL STEEL	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00005	ELEVATION ON GRID - RC AND RD PIPE RACK STRUCTURAL STEEL	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00006	ELEVATION ON GRID - R1, R2, R3 AND R4 PIPE RACK STRUCTURAL STEEL	Bechtel			N													

Ivanpah Solar Electric Generating Facility
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STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00007	ELEVATION ON GRID - R5, R6, AND R7 PIPE RACK STRUCTURAL STEEL	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00008	COLUMN WEB TO BEAM CONN DETAIL PIPE RACK STRUCTURAL STEEL	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00009	COLUMN FLANGE TO BEAM CONN - BOLTED PIPE RACK STRUCTURAL STEEL	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00010	BEAM TO BEAM CONN DETAIL PIPE RACK STRUCTURAL STEEL	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00011	H_BRACE CONNECTION DETAIL PIPE RACK STRUCTURAL STEEL	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00012	V_BRACE CONNECTION DETAIL PIPE RACK STRUCTURAL STEEL	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00013	V_BRACE CONNECTION DETAIL PIPE RACK STRUCTURAL STEEL	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00014	V_BRACE CONNECTION DETAIL PIPE RACK STRUCTURAL STEEL	Bechtel			N													
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-2110-00001	STEAM TURBINE STRUCTURAL STEEL PIPING RACK PLAN	Bechtel		Jun-11		-81		C040	Apr-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-2110-00001	STEAM TURBINE STRUCTURAL STEEL PIPING PLATFORMS PLAN	Bechtel		Jun-11		-81		C040	Apr-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-2110-00001	STEAM TURBINE STRUCTURAL STEEL PIPING RACK ELEVATIONS & SECTIONS	Bechtel		Jun-11		-81		C040	Apr-11		0	0	0	0	0	0	0	0
STRUC-1		Approval	Civil	Drawing	25542-000-SS-2410-00001	PLAN AT LVL EL 111-0 5/8 (TOG) STG ENCLOSURE PLATFORM - SHEET 1	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-2410-00002	PLAN AT LVL EL 119-8 11/16 (TOG) STG ENCLOSURE PLATFORM - SHEET 2	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-2410-00003	PLAN AT LVL EL 111-8 1/8 (TOG) STG ENCLOSURE PLATFORM - SHEET 3	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-2410-00004	PLAN AT LVL EL 117-7 1/4 (TOG) STG ENCLOSURE PLATFORM - SHEET 4	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-2410-00005	PLAN AT LVL EL 110-1 (TOG) STG ENCLOSURE PLATFORM - SHEET 5	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-2410-00006	PLAN AT LVL EL 110-1 (TOG) STG ENCLOSURE PLATFORM - SHEET 6	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-2410-00007	PLAN AND SECTION AT RAMP PLATFORM STG ENCLOSURE PLATFORM - SHEET 7	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-2410-00008	PLAN AT LVL EL 109-7 (TOG) STG ENCLOSURE PLATFORM - SHEET 8	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-2410-00009	CONNECTION DETAILS STG ENCLOSURE PLATFORM - SHEET 9	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-2410-00010	CONNECTION DETAILS STG ENCLOSURE PLATFORM - SHEET 10	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7210-00011	STRAINER PLATFORM PLAN AND ELEVATION	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7210-00012	DIESEL FILL PLATFORM PLAN AND ELEVATION	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-9010-00003	DIESEL FILLING PLATFORM STEEL PLAN AT EL 3005-0 (TOS)	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-3210-00001	PLAN AND ELEVATIONS GCB STRUCTURAL STEEL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-3210-00002	STRUCTURAL STEEL CONNECTION DETAILS GCB STRUCTURAL STEEL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-3210-00003	STRUCTURAL STEEL CONNECTION DETAILS GCB STRUCTURAL STEEL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-3210-00004	PLAN AND ELEVATION PSB STEEL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-3210-00005	SECTIONS PSB STEEL	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7110-00001	ISOMETRIC VIEW SUNSHADE STEEL - WTA	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7110-00002	PLAN SUNSHADE STEEL - WTA	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7110-00003	PLAN AT RAFTER BRACE SUNSHADE STEEL - WTA	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7110-00004	SECTIONS SUNSHADE STEEL - WTA	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7110-00005	SIDE RUNNER SECTIONS SUNSHADE STEEL - WTA	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7110-00006	CONNECTION DETAILS (SHEET 1) SUNSHADE STEEL - WTA	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7110-00007	PLAN ELEVATIONS AND CONNECTIONS DETAILS PIPE SUPPORTS WT AREA	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7110-00008	PLAN AND ELEVATIONS PLATFORM WT AREA	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7110-00009	CONNECTIONS DETAILS PLATFORM WT AREA	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7110-00010	CONNECTIONS DETAILS PLATFORM WT AREA	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7110-00011	CONNECTION DETAILS (SHEET 2) SUNSHADE STEEL - WTA	Bechtel			N													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7210-00001	ISOMETRIC VIEW ACC AREA SUNSHADE	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7210-00002	ACC AREA SUNSHADE PLAN	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7210-00003	ACC AREA SUNSHADE PLAN AT RAFTER BRACE	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7210-00004	ACC AREA SUNSHADE SECTIONS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7210-00005	ACC AREA SUNSHADE SIDE RUNNER SECTIONS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7210-00006	ACC AREA SUNSHADE CONNECTION DETAILS SHEET 1	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7210-00007	ACC AREA SUNSHADE CONNECTION DETAILS SHEET 2	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-8110-00001	ELECTRICAL CABINET SUPPORT FRAME KEY PLAN	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-8110-00002	ADMI BLDG MCC CABINET RACK	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-8110-00003	ADMIN BLDG RVT AND UPS CABINET RACKS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-8110-00004	ADMIN BLDG ESD I/O, SFINCS AND FUTURE CABINET RACKS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-8110-00005	ADMIN BLDG MISC CABINET RACKS	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-009-SS-9010-00001	PLATFORM NEAR FIRE WATER TANK	Bechtel			Y													
STRUC-1	6/15/2012	Approval	Civil	Drawing	25542-009-SS-9010-00002	CONNECTION DETAILS NEAR FIRE WATER TANK	Bechtel			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
STRUC-1	NA	Approval	Civil	Drawing	25542-009-SW-3690-00001	33KV TRANSMISSION LINE WOOD POLE AND GUY WIRE	Bechtel			Y													
CIVIL-1	NA	Approval	Civil	Control Plan	25542-002-30R-K01G-00001	DRAINAGE, EROSION AND SEDIMENT CONTROL PLAN PHASE 2	Bechtel			Y													
CIVIL-1	NA	Approval	Civil	Control Plan	25542-003-30R-K01G-00001	DESCP PHASE 3	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval	Civil	Calculation	25542-001-CGC-CG00-00001	UNIT 1 STORMWATER AND SITE DRAINAGE DESIGN	Bechtel		04-Jun-10 A	Y	0				04-Jun-10 A	0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1	NA	Approval	Civil	Calculation	25542-002-CGC-0000-00001	UNIT 2 STORMWATER AND SITE DRAINAGE DESIGN	Bechtel		24-Sep-10 A	Y	#VALUE!		C041		24-Sep-10 A	0	0	0	0	0	0	0	0
CIVIL-1	NA	Approval	Civil	Calculation	25542-002-CGC-CG00-00002	IVANPAH 2 - POWER BLOCK DIVERSION CHANNELS HYDRAULIC DESIGN	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval	Civil	Calculation	25542-003-CGC-0000-00001	UNIT 3 STORMWATER AND SITE DRAINAGE DESIGN	Bechtel		Mar-11		0		C046		Mar-11	0	0	0	0	0	0	0	0
CIVIL-1	NA	Approval	Civil	Calculation	25542-003-CGC-CG00-00001	IVANPAH 3 POWER BLOCK DRAINAGE SIZING	Bechtel			Y													
CIVIL-1	NA	Approval	Civil	Calculation	25542-003-CGC-CG00-00002	IVANPAH 3 POWER BLOCK DIVERSION CHANNELS HYDRAULIC SIZING	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval	Civil	Calculation	25542-009-CGC-CG00-00001	COMMON AREA STORMWATER AND SITE DRAINAGE DESIGN	Bechtel		04-Jun-10 A	Y	0				04-Jun-10 A	0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-0100-00001	POWER BLOCK SUMP	Bechtel		18-Feb-11 A		#VALUE!		C028		18-Feb-11 A	0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-0410-00001	Steam Turbine Platform PIPE RACK FOUNDATIONS	Bechtel		Mar-11		0		C036		Mar-11	0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-1110-00001	DESIGN OF SOIL SUPPORTED FOUNDATION FOR SOLAR TOWER FOR IN-SERVICE LOADS	Bechtel		20-Dec-10 A	Y	#VALUE!		C031		20-Dec-10 A	0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-1110-00003	DESIGN OF FOUNDATIONS FOR MODULES DURING CONSTRUCTION PHASE	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-1110-00004	DESIGN OF FOUNDATIONS FOR SRSG TOWER MODULES DURING CONSTRUCTION PHASE	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-1120-00001	Solar TOWER ELEVATED SLAB	Bechtel		20-Dec-10 A		#VALUE!		C031		20-Dec-10 A	0	0	0	0	0	0	0	0
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-1410-00001	DESIGN OF POWER BLOCK AREA SUMP	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-1910-00001	DESIGN OF AUXILIARY BOILER SUMP	Bechtel		Jun-11	Y	0		C010		Jun-11	0	0	0	0	0	0	0	0
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-2210-00002	DESIGN OF FOUNDATION FOR HEATER BAY FOUNDATION FOR ALL UNITS	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-2210-00001	DESIGN OF FOUNDATION FOR LUBE OIL UNIT	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-2310-00001	DESIGN OF FOUNDATION FOR AIR COOLED CONDENSER	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-2410-00001	STEAM TURBINE FOUNDATION	Bechtel		01-Oct-10 A	Y	#VALUE!		C030		01-Oct-10 A	0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Calculation	25542-001-DBC-2410-00001	UNIT 1 STEAM TURBINE GENERATOR FOUNDATION, ANALYSIS AND DESIGN	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-001-DBC-2410-00002	ANCHORAGE CAPACITY CHECK	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-001-DBC-2410-00003	DESIGN OF EMBED PLATES FOR STG FOUNDATION	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-2490-00001	STEAM TURBINE PEDESTAL EMBEDDED PLATES	Bechtel		01-Oct-10 A		#VALUE!		C030		01-Oct-10 A	0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-3110-00001	Plant Services Bldg Foundation	Bechtel		18-Feb-11 A		#VALUE!		C028		18-Feb-11 A	0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-3210-00001	ELECTRICAL MODULE 1 SLAB	Bechtel		Jun-11	Y	0		C034		Jun-11	0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-3210-00002	ELECTRICAL MODULE 2 SLAB	Bechtel		Jul-11	Y	0		C035		Jul-11	0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-3210-00007	DESIGN OF FOUNDATION FOR EXCITATION TRANSFORMER FOR UNIT 1, 2, 3	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-3210-00008	DESIGN OF FOUNDATION FOR GENERATOR CIRCUIT BREAKER SUPPORTING STEEL STRUCTURE	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-3210-00010	DESIGN OF FOUNDATION FOR MCC TRANSFORMERS UNIT 1, 2 AND 3	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-3210-00011	DESIGN OF POWER DISTRIBUTION UNIT (PDU) FOUNDATION - SOLAR FIELD	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-3210-00012	DESIGN OF FOUNDATION FOR STATION SERVICE TRANSFORMER	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Calculation	25542-009-DBC-3210-00001	DESIGN OF FOUNDATION FOR PAD MOUNTED 33KV SWITCHGEAR	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Calculation	25542-009-DBC-3210-00002	DESIGN OF FOUNDATION FOR PAD MOUNTED 500KVA TRANSFORMER FOR PLANT LAYDOWN AREA	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Calculation	25542-009-DBC-3210-00003	DESIGN OF FOUNDATION FOR PAD MOUNTED 1000KVA TRANSFORMER FOR COMMON AREA	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Calculation	25542-009-DBC-3210-00005	DESIGN OF FOUNDATION FOR PAD MOUNTED 1500KVA TRANSFORMER FOR HELIOSTAT ASSEMBLY BUILDING	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Calculation	25542-009-DBC-3210-00006	DESIGN OF FOUNDATION FOR 1200 AMP ELECTRICAL SWITCHBOARDS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-009-DBC-7610-00001	DESIGN OF FOUNDATION FOR COMMON AREA FIRE/RAW WATER TANKS	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-3310-00001	MCC TRANSFORMER FOUNDATION	Bechtel		Jun-11		0		C029		Jun-11	0	0	0	0	0	0	0	0
TSE-5	T	Approval	Civil	Calculation	25542-000-DBC-3410-00001	UNIT AUXILIARY & GENERATOR STEP-UP TRANSFORMER FOUNDATION	Bechtel		Mar-11		0		C043		Mar-11	0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-3710-00001	EMERGENCY DIESEL GENERATOR FOUNDATION	Bechtel		Jun-11	Y	-59		C017		Apr-11	0	0	0	0	0	0	0	0
TSE-5	6/15/2012T	Approval	Civil	Calculation	25542-000-DBC-3810-00001	GENERATOR CIRCUIT BREAKER & EXCITATION TRANSFORMER FOUNDATION	Bechtel		May-12		0		C033		May-11	0	0	0	0	25542-000-GMX-GEO-00002	0	0	

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STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-6110-00001	LUBE OIL/DIESEL UNLOADING AREA SLAB	Bechtel		Mar-11		0		C039	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7110-00001	WATER TREATMENT AREA SLAB	Bechtel		Mar-11	Y	0		C048	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7110-00002	WATER TREATMENT AREA EQUIPMENT PAD	Bechtel		Mar-11	Y	0		C049	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7110-00003	DESIGN OF ANCHORS FOR DEMIN WATER TRAILER	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7110-00004	DESIGN OF WT ELECTRICAL EQUIPMENT MODULE FOUNDATION FOR UNIT 1, 2 AND 3 CALCULATION	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7110-00005	DESIGN OF FOUNDATION FOR SRSG BLOW DOWN COOLER	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7110-00006	DESIGN OF MISCELLANEOUS PIPE SUPPORTS NEAR WSAC FOR UNITS 1/2/3	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7110-00008	DESIGN OF SUN SHADE FOUNDATION - WT AREA	Bechtel			N													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7110-00009	DESIGN OF DEMINERALIZED SWAS BUILDING FOUNDATION - WT AREA	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7110-00010	DESIGN OF FOUNDATION FOR PLANT AIR EQUIPMENT	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7210-00001	AIR COOLED CONDENSER FOUNDATIONS	Bechtel		02-Feb-11 A		#VALUE!		C014	02-Feb-11 A		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-7210-00003	CONDENSATE POLISHER SUMP FOR UNITS 1/2/3	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-7211-00001	DRY DELUGED AUXILIARY COOLER FOUNDATION SECTIONS & DETAILS	Bechtel		Mar-11		0		C015	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7510-00001	DESIGN OF FOUNDATION FOR FIRE WATER PUMP PACKAGE AND ENCLOSURE	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7610-00001	DEMINERALIZED WATER STORAGE TANK FOUNDATION - DESIGN OF FOUNDATION FOR UNITS FIRE/RAW WATER TANKS	Bechtel		Mar-11	Y	0		C023	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7610-00002	RAW WATER SUPPLY STORAGE TANK FOUNDATION	Bechtel			Y	40605		C021	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7610-00003	DESIGN OF FOUNDATION FOR MIRROR WASH WATER STORAGE TANK	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7610-00004	DESIGN OF FOUNDATION FOR POTABLE WATER TANK	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7710-00001	WASTEWATER COLLECTION TANK FOUNDATION	Bechtel		Jun-11		0		C044	Jun-11		0	0	0	0	0	0	0	0
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7710-00002	DESIGN OF FOUNDATION FOR THE WASTE WATER TANK	Bechtel			Y													
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Calculation~~	~~25542-000-DBC-9010-00001~~	~~MISC. CONCRETE FOUNDATIONS~~	~~Bechtel~~	~~DELETE~~	~~Dec-10~~		0			Dec-10		0	0	0	0	0	0	1	0
STRUC-1	G	Approval	Civil	Calculation	25542-009-DBC-9010-000##	MIRROR WASH TANK FOUNDATION	Bechtel		Mar-11		0		C022	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Calculation	25542-009-DBC-9010-000##	CPDU FOUNDATIONS (HELIOSTAT FIELD)	Bechtel		Jun-11		#VALUE!		C038	03-Dec-10 A		0	0	0	0	0	0	0	0
STRUC-1		Approval	Civil	Calculation	25542-009-DBC-7510-00001	DESIGN OF FOUNDATION FOR FIRE WAER SUPPLY PACKAGE AND ENCLOSURE	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-009-DBC-7610-00001	DESIGN OF FOUNDATINO FOR COMMON AREA FIRE-RAW WATER TANKS	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Calculation	25542-009-DBC-9010-00001	DESIGN OF FOUNDATION FOR HELIOSTAT ASSEMBLY BUILDING AND PAD BONDING MACHINE BUILDING	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Calculation	25542-009-DBC-9010-00002	DESIGN OF ANCHORAGES FOR COLUMNS AND TIE RODS FOR HELIOSTAT ASSEMBLY BUILDING AND PAD BONDING MACHINE BUILDING	Bechtel			Y													
STRUC-1	NA	Approval	Civil	Calculation	25542-009-DBC-9010-00003	DESIGN OF GRADE SLAB FOR HAB AND PBMB	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-009-DBC-9010-00005	DESIGN OF FOUNDATION FOR WATER TREATMENT EQUIPMENT NEAR PAD BONDING BUILDING	Bechtel			Y													
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Calculation~~	~~25542-009-DBC-9010-00##~~	~~WEATHER STATION FOUNDATION~~	~~Bechtel~~	~~DELETE~~	~~Dec-10~~		0			Dec-10		0	0	0	0	0	0	1	0
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-0410-00001	Steam Turbine platform PIPE RACK STRUCTURAL STEEL PLAN	Bechtel		Jun-11		-81		C040	Apr-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1100-00001	SOLAR TOWER STRUCTURAL ANALYSIS	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1100-00002	ACROSS WIND ANALYSIS OF SOLAR TOWER	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1110-00001	Solar TOWER STRUCTURAL STEEL BASE PLATE DESIGN	Bechtel		Mar-11		0		C042	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00001	Solar TOWER STRUCTURAL STEEL PLATFORM DESIGN	Bechtel		Mar-11	Y	0		C042	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00002	SOLAR TOWER STRUCTURAL PLATFORM DESIGN - ELEVATION 120'	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00003	SOLAR TOWER STRUCTURAL PLATFORM DESIGN - ELEVATION 140'	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00004	SOLAR TOWER STRUCTURAL PLATFORM DESIGN - ELEVATION 180'	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00005	SOLAR TOWER STRUCTURAL PLATFORM DESIGN - ELEVATION 220'	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00006	SOLAR TOWER STRUCTURAL PLATFORM DESIGN - ELEVATION 259'	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00007	SOLAR TOWER STRUCTURAL PLATFORM DESIGN - ELEVATION 298'	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00008	SOLAR TOWER STRUCTURAL PLATFORM DESIGN - ELEVATION 337'	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00009	SOLAR TOWER STRUCTURAL PLATFORM DESIGN - ELEVATION 376'	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00010	SOLAR TOWER STRUCTURAL PLATFORM DESIGN - ELEVATION 395'-6"	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00011	SOLAR TOWER STRUCTURAL PLATFORM DESIGN - ELEVATION 415'	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00012	SOLAR TOWER STRUCTURAL PLATFORM DESIGN - ELEVATION 427'	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00013	SOLAR TOWER STRUCTURAL PLATFORM DESIGN - ELEVATION 439'	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00014	CONNECTION DESIGN FOR TOWER COLUMNS	Bechtel			Y													

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STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00015	DESIGN OF LATERAL FORCE RESISTING STSTEM OF SOLAR TOWER (UP TO EL. 439')	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00016	CONNECTION DESIGN OF VERTICAL BRACING FOR TOWER	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00018	STAIR TOWER CONNECTION DESIGN	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00019	PLATFORM CONNECTION DESIGN - FLOORS 220' TO 439'	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00020	PLATFORM CONNECTION DESIGN - FLOORS 120', 140', 180'	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00021	FINITE ELEMENT ANALYSIS FOR SOLAR TOWER KNUCKLE CONNECTION	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00022	CONNECTION DESIGN FOR CONSTRUCTION LIFE DEVICES	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00017	SRSG COLUMN AND VERTICAL BRACE DESIGN	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00023	SRSG EL 451 STRUCTURAL STEEL PLATFORM DESIGN	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00024	SRSG EL 460 STRUCTURAL STEEL PLATFORM DESIGN	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00025	SRSG EL 472 STRUCTURAL STEEL PLATFORM DESIGN	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00027	SRSG EL 491 STRUCTURAL STEEL PLATFORM DESIGN	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00028	SRSG EL 500 STRUCTURAL STEEL PLATFORM DESIGN	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00030	SRSG EL 524 STRUCTURAL STEEL PLATFORM DESIGN	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00031	SRSG EL 536 STRUCTURAL STEEL PLATFORM DESIGN	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00032	SRSG EL 551 STRUCTURAL STEEL PLATFORM DESIGN	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00026	SRSG EL WATERWALL STEEL DESIGN	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00039	SRSG COLUMN AND VERTICAL BRACE CONNECTION DESIGN	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00036	SRSG BEAM CONNECTION DESIGN	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00037	SRSG HORIZONTAL BRACE CONNECTION DESIGN	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00038	SRSG MISCELLANEOUS STEEL CONNECTION DESIGN	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00035	SRSG - STEEL CONNECTIONS BEYOND MAIN COLUMN LINES	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00033	SRSG PROTECTION PANELS STRUCTURAL STEEL DESIGN	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00040	SRSG PROTECTION PANELS STEEL CONNECTION DESIGN	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1140-00001	Solar TOWER STRUCTURAL STEEL SUPPORT LEVEL DESIGN	Bechtel		Mar-11		0		C042	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1150-00001	Solar TOWER STRUCTURAL STEEL STAIR TOWER	Bechtel		Mar-11	Y	0		C042	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1152-00001	SOLAR TOWER STRUCTURAL ANALYSIS DURING CONSTRUCTION	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1910-00001	DESIGN OF AUXILIARY BOILER PIPE RACK STEEL AND CONNECTION DESIGN	Bechtel			N													
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-2110-00001	STEAM TURBINE STRUCTURAL STEEL PIPE RACK	Bechtel		Jun-11		-81		C040	Apr-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-2120-00001	STEAM TURBINE STRUCTURAL STEEL PIPING PLATFORMS	Bechtel		Jun-11		-81		C040	Apr-11		0	0	0	0	0	0	0	0
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-2210-00001	DESIGN OF HEATER BAY STEEL PLATFORM	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-3210-00001	DESIGN OF GENERATOR CIRCUIT BREAKER STRUCTURAL STEEL	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-3510-00001	33KV WOOD POLE DESIGN	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-7110-00001	DESIGN OF SUNSHADE STEEL STRUCTURE - WTA FOR UNIT 1, 2, 3	Bechtel			N													
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-7110-00002	DESIGN OF MISCELLANEOUS STEEL PIPE SUPPORTS MPS AND STEELPLATFORM DESIGN WT AREA	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-7210-00001	DESIGN OF SUNSHADE STEEL STRUCTURE ACC AREA FOR UNITS 1, 2 AND 3	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-8100-00001	ADMIN BUILDING EQUIPMENT RACK DESIGN	Bechtel			Y													
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-9210-00002	DESIGN OF MISC STEEL PIPE SUPPORTS (MPS) AND STEEL PLATFORM DESIGN (UNITS 1,2,3 AND COMMON AREA)	Bechtel			N													
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-3510-00002	115 KV TRANSMISSION LINE - CURRENT TRANSFORMER VOLTAGE TRANSFORMER SURGE ARRESTER SUPPORT AND BUS SUPPORT DESIGN	Bechtel			Y													
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-3510-00003	115KV TRANSMISSION LINE - DISCONNECT SWITCH STEEL SUPPORT	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-3510-00001	115 KV SWITCHYARD EQUIPMENT SUPPORT STRUCTURES ARRANGEMENT PLAN	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-3590-00001	115KV SWITCHYARD STRUCTURAL STEEL DISCONNECT SWITCH SUPPORT S1	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-3590-00002	115KV SWITCHYARD STRUCTURAL STEEL SUPPORTS S2,S3,S4	Bechtel			Y													
STRUC-1		Approval	Civil	Drawing	25542-000-SS-3590-00003	115KV SWITCHYARD STRUCTURAL STEEL SUPPORT S5	Bechtel			Y													
CIVIL-1 GEO-1	NA	Approval	Civil	Document	25542-000-G27-GZC-00067	Geotechnical Report - Unit 1 & Common Facility	Vendor		Aug-10	Y	0			Aug-10		0	0	1	0	0	0	0	0
GEO-1	NA	Approval	Civil	Document	25542-002-K0R-CY00-00001	SUBSURFACE INVESTIGATION AND FOUNDATION REPORT UNIT 2	Bechtel			Y													
GEO-1	6/15/2012 NA	Approval	Civil	Document	25542-003-K0R-CY00-00001	SUBSURFACE INVESTIGATION AND FOUNDATION REPORT FOR THE IVANPAH PROJECT UNIT 3	Bechtel			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
GEO-1	NA	Approval	Civil	Document	25542-009-K0R-CY00-00001	SUBSURFACE INVESTIGATION AND FOUNDATION REPORT	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval	Civil	Specification	25542-000-3PS-CE01-00001	SITE PREPARATION AND EARTHWORK CONSTRUCTION	Bechtel		04-Jun-10 A	Y	0			04-Jun-10 A		0	0	0	0	0	0	0	0
CIVIL-1	NA	Approval	Civil	Specification	25542-000-3PS-CS01-00001	BITUMINOUS PAVING OF ROADS	Bechtel		29-Oct-10 A	Y	#VALUE!		C054	29-Oct-10 A		0	0	0	0	0	0	0	0
~~CIVIL-1~~		~~Approval~~	~~Civil~~	~~Specification~~	~~25542-000-3PS-CY04-00001~~	~~SITE SURVEYING SERVICES~~	~~Bechtel~~	~~Delete~~			0					0	0	0	0	0	0	0	0
~~CIVIL-1~~		~~Reference~~	~~Civil~~	~~Specification~~	~~25542-000-3PS-CY05-00001~~	~~SUBSURFACE INVESTIGATION AND LABORATORY TESTING~~	~~Bechtel~~	~~Delete~~			0					0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-DB01-00001	FURNISHING AND DELIVERING READY-MIX CONCRETE	Bechtel		7/15/2010 A	Y	0			7/15/2010 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-DB02-00001	CONCRETE WORK	Bechtel		7/15/2010 A	Y	0			7/15/2010 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-DD00-00001	PURCHASE OF EMBEDDED STEEL AND ANCHOR BOLTS	Bechtel		7/15/2010 A	Y	0			7/15/2010 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-DG01-00001	REINFORCING BAR	Bechtel		7/15/2010 A	Y	0			7/15/2010 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-SS01-00001	PURCHASE OF STRUCTURAL AND MISCELLANEOUS STEEL	Bechtel		Aug-10	Y	0			Aug-10		0	0	1	0	0	0	0	0
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-SS02-00001	ERECTION OF STRUCTURAL AND MISCELLANEOUS STEEL	Bechtel		Jan-11	Y	0			Jan-11		0	0	0	0	0	0	0	1
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-SY01-00001	MATERIAL TESTING SERVICES FOR CONCRETE, EARTHWORK, AND PAVING	Bechtel		13-Aug-10 A	Y	0		C050	13-Aug-10 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1A-AKBS-000##	ARCHITECRUTAL FLOOR PLANS, (including code analysis and access/egress information) ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11		0		A011	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1A-AKBS-000##	ARCHITECRUTALBUILDING ELEVATIONS AND SECTIONS , ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11		0		A011	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1A-AKBS-000##	ARCHITECRUTALBUILDING DETAILS , ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11		0		A011	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1A-AKBS-000##	ARCHITECRUTALSCHEDULES , ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11		0		A011	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1A-AKBS-000##	STRUCTURAL DRAWINGS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11		0		A011	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Architectural	Document	25542-000-V1A-AKBS-000##	STATEMENT OF SPCEIAL INSPECTIONS (CBC CH. 17), ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11		0		A011	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Architectural	Calculation	25542-000-V1A-AKBS-000##	STRUCTURAL CALCULATIONS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11		0		A011	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1A-AKBS-000##	FOUNDATION DRAWINGS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11		0		A011	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Architectural	Calculation	25542-000-V1A-AKBS-000##	FOUNDATION CALCULATIONS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11		0		A011	Mar-11		0	0	0	0	0	0	0	0
MECH-3	G	Approval	Architectural	Drawing	25542-000-V1A-AKBS-000##	HVAC SYSTEM PLANS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11		0		A012	Mar-11		0	0	0	0	0	0	0	0
MECH-3	G	Approval	Architectural	Calculation	25542-000-V1A-AKBS-000##	HVAC SYSTEM CALCULATIONS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11		0		A012	Mar-11		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Architectural	Drawing	25543-000-V1A-AKBS-000##	PLUMBING PLANS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11		0		A012	Mar-11		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Architectural	Drawing	25544-000-V1A-AKBS-000##	FIRE PROTECTION PLANS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11		0		A012	Mar-11		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Architectural	Calculation	25545-000-V1A-AKBS-000##	FIRE PROTECTION CALCULATIONS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11		0		A012	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Architectural	Drawing	25546-000-V1A-AKBS-000##	ELECTRICAL SINGLE LINE DRAWING, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11		0		A013	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Architectural	Drawing	25547-000-V1A-AKBS-000##	ELECTRICAL PANEL SCHEDULES, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11		0		A013	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Architectural	Calculation	25548-000-V1A-AKBS-000##	LIGHTING AND ELECTRICAL DESIGN CALCULATIONS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11		0		A013	Mar-11		0	0	0	0	0	0	0	0
STRUC-1 / MECH-1	G	Approval	Architectural	Document	25548-000-V1A-AKBS-000##	CERTIFICATE(S) OF COMPLIANCE, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Nov-11		0		A014	Nov-11		0	0	0	0	0	0	0	0
GEN-5	G	Approval	Architectural	Document	25542-000-V1A-AKBS-000##	RESPONSIBLE ENGINEER(S) RESUME(S), ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		10-Jan-11 A		#VALUE!		A010	10-Jan-11 A		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Architectural	Drawing	25542-000-V1B-AKBS-000##	ARCHITECTURAL FLOOR PLANS, HELIOSTAT BUILDING (including code analysis and access/egress information)	Vendor		Mar-11		0		A021	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Architectural	Drawing	25542-000-V1B-AKBS-000##	ARCHITECTURAL BUILDING ELEVATIONS AND SECTIONS , HELIOSTAT BUILDING	Vendor		Mar-11		0		A021	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Architectural	Drawing	25542-000-V1B-AKBS-000##	ARCHITECTURAL BUILDING DETAILS , HELIOSTAT BUILDING	Vendor		Mar-11		0		A021	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Architectural	Drawing	25542-000-V1B-AKBS-000##	ARCHITECTURAL SCHEDULES , HELIOSTAT BUILDING	Vendor		Mar-11		0		A021	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Architectural	Drawing	25543-001-V1B-AKBS-000##	STRUCTURAL DRAWINGS, HELIOSTAT BUILDING (including design criteria and structural observations)	Vendor		Mar-11		0		A021	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Architectural	Document	25543-001-V1B-AKBS-000##	STATEMENT OF SPECIAL INSPECTIONS (CBC CH. 17), HELIOSTAT BUILDING	Vendor		Mar-11		0		A021	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Architectural	Calculation	25544-002-V1B-AKBS-000##	STRUCTURAL CALCULATIONS, HELIOSTAT BUILDING (including design criteria and structural observations)	Vendor		Mar-11		0		A021	Mar-11		0	0	0	0	0	0	0	0
MECH-3	NA	Approval	Architectural	Drawing	25545-003-V1B-AKBS-000##	HVAC SYSTEM PLANS, HELIOSTAT BUILDING	Vendor		Mar-11		0		A022	Mar-11		0	0	0	0	0	0	0	0
MECH-3	NA	Approval	Architectural	Calculation	25546-004-V1B-AKBS-000##	HVAC SYSTEM CALCULATIONS, HELIOSTAT BUILDING	Vendor		Mar-11		0		A022	Mar-11		0	0	0	0	0	0	0	0
MECH-1	NA	Approval	Architectural	Drawing	25547-005-V1B-AKBS-000##	FIRE PROTECTION PLANS, HELIOSTAT BUILDING (including product data submittals)	Vendor		Mar-11		0		A022	Mar-11		0	0	0	0	0	0	0	0
MECH-1	6/15/2012 NA	Approval	Architectural	Calculation	25548-006-V1B-AKBS-000##	FIRE PROTECTION CALCULATIONS, HELIOSTAT BUILDING	Vendor		Mar-11		0		A022	Mar-11		0	0	0	0	25542-000-GMX-GEG-00002	0	0	0

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
ELEC-1	NA	Approval	Architectural	Drawing	25550-008-V1B-AKBS-000##	ELECTRICAL PANEL SCHEDULES, HELIOSTAT BUILDING	Vendor/Bechtel		Mar-11		0		A023	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Architectural	Calculation	25551-009-V1B-AKBS-000##	LIGHTING AND ELECTRICAL DESIGN CALCULATIONS, HELIOSTAT BUILDING	Vendor		Mar-11		0		A023	Mar-11		0	0	0	0	0	0	0	0
STRUC-1 / MECH-1/ ELEC-1	NA	Approval	Architectural	Document	25552-010-V1B-AKBS-000##	CERTIFICATE(S) OF COMPLIANCE, HELIOSTAT BUILDING	Vendor		Nov-11		0		A024	Nov-11		0	0	0	0	0	0	0	0
GEN-5	NA	Approval	Architectural	Resume	25553-011-V1B-AKBS-000##	RESPONSIBLE ENGINEER(S) RESUME(S), HELIOSTAT BUILDING	Vendor		03-Jan-11 A		#VALUE!		A020	03-Jan-11 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1C-AKBS-000##	ARCHITECTURAL FLOOR PLANS, PLANT SERVICES BUILDING	Vendor		01-Feb-11 A		#VALUE!		A031	01-Feb-11 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1C-AKBS-000##	ARCHITECTIRAL BUILDING ELEVATIONS AND SECTIONS , PLANT SERVICES BUILDING	Vendor		01-Feb-11 A		#VALUE!		A031	01-Feb-11 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1C-AKBS-000##	ARCHITECTURAL BUILDING DETAILS , PLANT SERVICES BUILDING	Vendor		01-Feb-11 A		#VALUE!		A031	01-Feb-11 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1C-AKBS-000##	ARCHITECTURAL SCHEDULES , PLANT SERVICES BUILDING	Vendor		01-Feb-11 A		#VALUE!		A031	01-Feb-11 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Architectural	Drawing	25543-001-V1C-AKBS-000##	STRUCTURAL DRAWINGS, PLANT SERVICES BUILDING	Vendor		01-Feb-11 A		#VALUE!		A031	01-Feb-11 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Architectural	Document	25543-001-V1C-AKBS-000##	STATEMENT OF SPECIAL INSPECTIONS (CBC CH. 17), PLANT SERVICES BUILDING	Vendor		01-Feb-11 A		#VALUE!		A031	01-Feb-11 A		0	0	0	0	0	0	0	0
STRUC-1	G	Approval	Architectural	Calculation	25544-002-V1C-AKBS-000##	STRUCTURAL CALCULATIONS, PLANT SERVICES BUILDING	Vendor		01-Feb-11 A		#VALUE!		A031	01-Feb-11 A		0	0	0	0	0	0	0	0
MECH-3	G	Approval	Architectural	Drawing	25545-003-V1C-AKBS-000##	HVAC SYSTEM PLANS, PLANT SERVICES BUILDING	Vendor		Mar-11		0		A032	Mar-11		0	0	0	0	0	0	0	0
MECH-3	G	Approval	Architectural	Calculation	25546-004-V1C-AKBS-000##	HVAC SYSTEM CALCULATIONS, PLANT SERVICES BUILDING	Vendor		Mar-11		0		A032	Mar-11		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Architectural	Drawing	25547-005-V1C-AKBS-000##	FIRE PROTECTION PLANS, PLANT SERVICES BUILDING	Vendor		Mar-11		0		A032	Mar-11		0	0	0	0	0	0	0	0
MECH-1	G	Approval	Architectural	Calculation	25548-006-V1C-AKBS-000##	FIRE PROTECTION CALCULATIONS, PLANT SERVICES BUILDING	Vendor		Mar-11		0		A032	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Architectural	Drawing	25549-007-V1C-AKBS-000##	ELECTRICAL SINGLE LINE DRAWING, PLANT SERVICES BUILDING	Vendor		Mar-11		0		A033	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Architectural	Drawing	25550-008-V1C-AKBS-000##	ELECTRICAL PANEL SCHEDULES, PLANT SERVICES BUILDING	Vendor		Mar-11		0		A033	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Architectural	Calculation	25551-009-V1C-AKBS-000##	LIGHTING AND ELECTRICAL DESIGN CALCULATIONS, PLANT SERVICES BUILDING	Vendor		Mar-11		0		A033	Mar-11		0	0	0	0	0	0	0	0
STRUC-1 / MECH-1	G	Approval	Architectural	Document	25552-010-V1C-AKBS-000##	CERTIFICATE(S) OF COMPLIANCE, PLANT SERVICES BUILDING	Vendor		May-11		0		A034	May-11		0	0	0	0	0	0	0	0
GEN-5	G	Approval	Architectural	Resume	25553-011-V1C-AKBS-000##	RESPONSIBLE ENGINEER(S) RESUME(S), PLANT SERVICES BUILDING	Vendor		16-Nov-10 A		#VALUE!		A030	16-Nov-10 A		0	0	0	0	0	0	0	0
S&W-1 / CIVIL-1	NA	Approval		Drawing	25542-003-CG-0010-00001	POWER BLOCK ROUGH GRADING PLAN	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval		Drawing	25542-003-CG-0090-00001	POWER BLOCK ROUGH GRADING SECTIONS	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval		Drawing	25542-003-CD-0000-00001	HYDROLOGY PLAN-POST DEVELOPMENT	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval		Drawing	25542-003-CD-0000-00002	POWER BLOCK HYDROLOGY PLAN-POST DEVELOPMENT	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval		Drawing	25542-003-CG-0011-00001	WASH CROSSINGS AT DEPTHS GREATER THAN 3'-0" AT ROAD/PATH INTERSECTIONS	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval		Drawing	25542-003-CG-0011-00002	WASH CROSSINGS AT DEPTHS OF 2-0 TO 3'-0" AT ROAD/PATH INTERSECTIONS	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval		Drawing	25542-003-CG-0011-00003	WASH CROSSINGS AT DEPTHS OF 1-0 TO 2'-0" AT ROAD/PATH INTERSECTIONS	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval		Drawing	25542-003-CG-0011-00004	WASH CROSSINGS AT DEPTHS OF 1-0 TO 2'-0" AT LOCATION TABLES	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval		Drawing	25542-003-CE-0010-00001	EROSION AND SEDIMENT CONTROL PLAN	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval		Drawing	25542-000-CS-0010-00018	ROADWAY GRADING AND PAVING PLAN	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval		Drawing	25542-003-CS-0010-00001	FINISHED PAVING AND GRADING	Bechtel			Y													
S&W-1 / CIVIL-1	NA	Approval		Drawing	25542-003-CS-0011-00001	DIRT ROAD AND HELIOSTAT MAINTENANCE PATH PLAN	Bechtel			Y													
ELEC-1		Approval	Electrical		25542-000-30L-E01G-00001	APPLICATION FOR ALTERNATE MATERIALS AND METHODS OF CONTRUCTION - SLOAR FIELD CABLE AND ANCHORAGE INSTALLATION	Bechtel			Y													
ELEC-1		Approval	Electrical		25542-000-30L-E01G-00002	APPLICATION FOR ALTERNATE MATERIALS OR METHODS OF CONSTRUCTION - SOLAR FIELD ASSEMBLIES	Bechtel			Y													
ELEC-1		Approval	Electrical		25542-000-30L-E01G-00003	APPLICATION FOR ALTERNATE MATERIALS OR METHODS OF CONSTRUCTION FOR 480V AC UPS PANEL BOARDS LOCATED OUTDOOR IN SOLAR FIELD	Bechtel			N													
ELEC-1		Reference	Electrical	Drawing	25542-001-E0-EY-00001	UNIT 1 ELECTRICAL PHASING DIAGRAM	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-E1-0000-00001	EY: Unit-1: Main Single Line Diagram	Bechtel		26-Aug-10 A	Y	#VALUE!		E180	26-Aug-10 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-E1-EU-00001	UNIT 1 SINGLE LINE DIAGRAM SOLAR FIELD POWER DISTRIBUTION UNITS (PDU) - UPS POWER	Bechtel			Y													
ELEC-1	T	Approval	Electrical	Drawing	25542-001-E1-EZ-00001	UNIT 1 115KV SWITCHYARD SINGLE LINE METER AND RELAY DIAGRAM	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-002-E1-0000-00001	EY: Unit-2/3: Main Single Line Diagram	Bechtel		15-Nov-10 A	Y	#VALUE!		E280	15-Nov-10 A		0	0	0	0	0	0	0	0

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Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
ELEC-1	G	Approval	Electrical	Drawing	25542-001-E1-EY00-00001	EY: Unit-1: Main Generation Single Line M & R Diagram (GSUT, UAT, GCB)	Bechtel		18-Mar-11*		#VALUE!		E181	18-Mar-11*		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-E1-EY00-00001	EY: Unit-2/3 Main Generation Single Line M & R Diagram (GSUT, UAT, GCB)	Bechtel		Mar-11		0		E281	Mar-11		0	0	0	0	0	0	0	0
ELEC-1		Approval	Electrical	Drawing	25542-000-E1-0000-00001	HELIOSTAT FIELD SINGLE LINE DIAGRAM TEMPORARY POWER FOR CPDU COMMISSIONING	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-E1-0000-00002	HELIOSTAT FIELD SINGLE LINE DIAGRAM TEMPORARY POWER FOR PDU COMMISSIONING WITH DIESEL GENERATOR	Bechtel			Y													
ELEC-1		Approval	Electrical	Evaluation	25542-000-E0R-EG00-00001	GROUND SYSTEM ADEQUACY EVALUATION FOR UNIT 1, 2 AND 3 CPDU ENERGIZATION WITH 25KVA GENERATOR	Bechtel			Y													
ELEC-1		Approval	Electrical	Evaluation	25542-000-E0R-EG00-00002	GROUND SYSTEM ADEQUACY EVALUATION FOR UNIT 1 ENERGIZATION OF STATION SERVICE TRANSFORMER FROM 33KV POWER SYSTEM	Bechtel			Y													
ELEC-1		Approval	Electrical	Evaluation	25542-000-E0R-EG00-00003	GROUND SYSTEM ADEQUACY EVALUATION FOR UNIT 1, 2 AND 3 PDU ENERGIZATION WITH 179KVA GENERATOR	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-E1-EC-00001	SINGLE LINE METERING AND REALY DIAGRAM - SRSG TOWER MOTOR CONTROL CENTER	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-E1-EC-00002	SINGLE LINE METERING AND RELAY DIAGRAM - MOTOR CONTROL CENTERS	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-E1-ED-00001	SINGLE LINE METERING AND RELAY DIAGRAM 125VDC, 480VAC AND 120VAC UPS SYSTEMS - PSB	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-ES-00001	ES: Unit 4.16kV Switchgear Single line M & R Diagram - SINGLE LINE METERING AND RELAY DIAGRAM 4.16KV SWITCHGEAR-MCC BUS 1-ES-ES-3111B	Bechtel		Jul-11	Y	0		E481	Jul-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E1-ES-00001	SINGLE LINE METERING AND RELAY DIAGRAM 4.16KV SWITCHGEAR/MCC	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E1-ES-00002	SINGLE LINE METERING AND RELAY DIAGRAM 4.16KV ESSENTIAL SERVICES SWITCHGEAR - MCC BUS 1-ES-ES-3111A	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-E1-EU-00001	SINGLE LINE METERING AND RELAY DIAGRAM 480VAC UPS SYSTEM SRSG AREA AND BCP 1 AND 2 MOTORS	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-E1-0000-00001	UNIT 2 AND 3 MAIN SINGLE LIKE DIAGRAM	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-E1-0000-00003	UNIT 2 SINGLE LINE DIAGRAM SOLAR FIELD POWER DISTRIBUTION UNITS PDU - NORMAL POWER	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-E1-EU-00001	UNIT 2 SINGLE LINE DIAGRAM SOLAR FIELD POWER DISTRIBTUTION UNITS PDU - NORMAL POWER	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-E1-0000-00003	UNIT 3 SINGLE LINE DIAGRAM SOLAR FIELD POWER DISTRIBUTION UNITS PDU - NORMAL POWER	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-E1-EU-00001	UNIT 3 SINGLE LINE DIAGRAM SOLAR FIELD POWER DISTRIBUTION UNITS PDU - NORMAL POWER	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-009-E1-EU-00001	SINGLE LINE METERING AND RELAY DIAGRAM 120VAC UPS SYSTEM - COMMON AREA	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-009-E1-0000-00001	33kV System Single Line Diagram	Bechtel		25-Aug-10 A	Y	#VALUE!		E080	25-Aug-10 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-E1-0000-00004	SINGLE LINE METERING AND RELAY DIAGRAM - ADMIN BUILDING	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-E1-0000-00001	UNIT 1 MAIN SINGLE LIKE DIAGRAM	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-E1-0000-00002	ES: Unit-1: Construction Power Single Line Diagram	Bechtel		05-Aug-10 A	Y	#VALUE!		E081	05-Aug-10 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-E1-0000-00003	UNIT 1 SINGLE LINE DIAGRAM SOLAR FIELD POWER DISTRIBUTION UNITS (PDU) - NORMAL POWER	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-0011-00001	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 1	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-0011-00002	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 2	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-0011-00003	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 3	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-0011-00004	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 4	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-0011-00005	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 5	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-0011-00006	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 6	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-0011-00007	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 7	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-0011-00008	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 8	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-0011-00009	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 9	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-7101-00001	UNDERGROUND RACEWAY PLAN WATER TREATMENT AREA PLAN EL 2879-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-7110-00003	UNIT 1 RACEWAY PLAN WATER TREATMENT AREA EL 2879-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-7110-00004	UNIT 1 RACEWAY PLAN WATER TREATMENT AREA EL 2879-0	Bechtel			Y													
ELEC-1	6/15/2012	Approval	Electrical	Drawing	25542-000-EA-EU-00001	480V AC UPS PANEL BOARD SCHEDULE - HELIOSTAT FIELD	Bechtel			Y													

25542-000-GMX-GEG-00002

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ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EA-EC-00001	UNIT 1 SOLAR FIELD 480VAC NORMAL POWER PANELBOARD SCHEDULE	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EA-EU-00001	UNIT 1 SOLAR FIELD 480VAC UPS POWER PANELBOARD SCHEDULE	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-EA-EC-00001	UNIT 2 SOLAR FIELD 480V AC NORMAL POWER PANELBOARD SCHEDULE	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-EA-EU-00001	UNIT 2 SOLAR FIELD 480V AC UPS POWER PANELBOARD SCHEDULE	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-EA-EC-00001	UNIT 3 SOLAR FIELD 480VAC NORMAL POWER PANELBOARD SCHEDULE	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-EA-EU-00001	UNIT 3 SOLAR FIELD 480VAC UPS POWER PANELBOARD SCHEDULE	Bechtel			Y													
ELEC-1		Reference	Electrical	Drawing	25542-000-EC-0000-00001	SRSG MOTOR CONTROL CENTER SCHEDULE AND LOAD LIST	Bechtel			Y													
ELEC-1		Reference	Electrical	Drawing	25542-000-EC-0000-00002	MOTOR CONTROL CENTER SCHEDULE AND LOAD LIST - STG	Bechtel			Y													
ELEC-1		Reference	Electrical	Drawing	25542-000-EC-0000-00003	MOTOR CONTROL CENTER SCHEDULE AND LOAD LIST - PSB	Bechtel			Y													
ELEC-1		Reference	Electrical	Drawing	25542-000-EC-0000-00004	MOTOR CONTROL CENTER SCHEDULE AND LOAD LIST - WT	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-0000-00005	MCC SCHEDULE AND LOAD LIST FOR ACC	Bechtel			Y													
ELEC-1		Reference	Electrical	Drawing	25542-009-EC-0000-00001	ADMIN BUILDING MOTOR CONTROL CENTER SCHEDULE AND LOAD LIST	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-EA-00011	SRSG 480V AC PANEL BOARD SCHEDULE	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-EC-00002	STG MCC 208/120V AC PANELBOARD SCHEDULE	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-EC-00003	PSB MCC 208/120V AC PANELBOARD SCHEDULE	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-EC-00004	WT MCC 208/120V ACPANELBOARD SCHEDULE	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-EC-00005	ACC MCC 208/120V AC PANELBOARD SCHEDULE	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-ED-00001	125V DC PANEL BOARD SCHEDULE MAIN PLANT AREA	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-EU-00002	120V AC UPS PANELBOARD SCHEDULE WATER TREATMENT EEM	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-EU-00004	208V-120V AC UPS PANEL BOARD SCHEDULE ACC EEM	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-EU-00005	208-120V AC UPS PANELBOARD SCHEDULE SRSG AREA UPS EEM	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-EU-00012	480V AC UPS PANEL BOARD SCHEDULE - SRSG TOWER	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-7110-00001	UNIT 2 RACEWAY PLAN WATER TREATMENT AREA FROM 3029-0 TO EL 3048-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-7110-00002	UNIT 2 RACEWAY PLAN WATER TREATMENT AREA AT EL 3029-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-7110-00003	UNIT 2 RACEWAY PLAN WATER TREATMENT AREA AT EL 3029-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-7110-00004	UNIT 2 RACEWAY PLAN WATER TREATMENT AREA AT EL 3029-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-7210-00001	UNIT 2 RACEWAY PLAN ACC AREA PLAN FROM EL 3029-0 TO EL 3041-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-7210-00002	UNIT 2 RACEWAY PLAN ACC AREA PLAN FROM EL 3065-0 TO EL 3090-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-7210-00003	UNIT 2 RACEWAY PLAN ACC AREA PLAN FROM EL 3065-0 TO EL 3090-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-7210-00004	UNIT 2 RACEWAY PLAN ACC AREA PLAN FROM EL 3040-0 TO EL 3090-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-7210-00005	UNIT 2 RACEWAY PLAN ACC AREA PLAN FROM EL 3065-0 TO EL 3090-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-7210-00006	UNIT 2 RACEWAY PLAN ACC AREA PLAN FROM EL 3029-0 TO EL 3090-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-7210-00007	UNIT 2 RACEWAY PLAN ACC AREA PLAN FROM EL 3029-0 TO EL 3090-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-7210-00008	UNIT 2 RACEWAY PLAN ACC AREA SECTIONS AND DETAILS	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-E1-0000-00002	ES: Unit-2/3: Construction Power Single Line Diagram	Bechtel		20-Sep-10 A		#VALUE!		E480	20-Sep-10 A		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-009-E1-0000-00002	EC: Common Area, CCR and Admin Building Single Line M & R Diagram	Bechtel		Jun-11		0		E083	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-E1-0000-00003	EC: Heliostat Building Single Line M & R Diagram	Bechtel		31-Aug-10 A	Y	#VALUE!		E082	31-Aug-10 A		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-ED-00001	ED: Unit 125 VDC, 120 VAC and 480VAC UPS Single line M&R Diagram (Location: Plant Services Building)	Bechtel		22-Oct-10 A	Y	#VALUE!	CBO ADDIT REQUEST	E482	22-Oct-10 A		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-ED-00002	ED: SRSG 480 and 120 VAC UPS Single line M&R Diagram-	Bechtel		May-11		0	CBO ADDIT REQUEST	E483	May-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-009-E1-ED-00001	ED: CCR 120 VAC UPS Single line M&R Diagram-	Bechtel		08-Nov-10 A	Y	#VALUE!	CBO ADDIT REQUEST	E084	08-Nov-10 A		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00002	EC: Unit: 480V ESSENTIAL MCC # 1 (PSB) - Single Line M & R Diagram	Bechtel	120VAC Loads to be indicated	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00003	EC: Unit: 480V ESSENTIAL MCC # 2 (STG) - Single Line M & R Diagram	Bechtel	120VAC Loads to be indicated	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00004	EC: Unit: 480V STG MCC # 1 - Single Line M & R Diagram	Bechtel	120VAC Loads to be indicated	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00005	EC: Unit: 480V STG MCC # 2 - Single Line M & R Diagram	Bechtel	120VAC Loads to be indicated	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00006	EC: Unit: 480V Tower MCC - Single Line M & R Diagram	Bechtel	120VAC Loads to be indicated	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
ELEC-1	6/15/2012 G	Approval	Electrical	Drawing	25542-000-E1-EK-00007	EC: Unit: 480V Common MCC - Single Line M & R Diagram	Bechtel	120VAC Loads to be indicated	Jun-11		0			Jun-11		0	0	0	0	25542-000-GMX-GEG-00002 0	0	0	0

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ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00008	EC: Unit: 480V BOP MCC #1 (Water Treatment) - Single Line M & R Diagram	Bechtel	120VAC Loads to be indicated	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00009	EC: Unit: 480V BOP MCC #2 (Water Treatment) - Single Line M & R Diagram	Bechtel	120VAC Loads to be indicated	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00010	EC: Unit: 480V 480V ACC MCC# 1 - Single Line M & R Diagram	Bechtel	120VAC Loads to be indicated	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00011	EC: Unit: 480V 480V ACC MCC# 2 - Single Line M & R Diagram	Bechtel	120VAC Loads to be indicated	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00012	EC: Unit: 480V 480V ACC MCC# 3 - Single Line M & R Diagram	Bechtel	120VAC Loads to be indicated	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00013	EC: Unit: 480V 480V ACC MCC# 4 - Single Line M & R Diagram	Bechtel	120VAC Loads to be indicated	Jun-11		0			Jun-11		0	0	0	0	0	0	0	0
ELEC-1		Approval	Electrical	Drawing	25542-001-E1-EY-00001	SINGLE LINE METERING AND RELAY DIAGRAM - GEN, GCB, GSUT, UAT UNIT 1	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-E1-EY-00001	SINGLE LINE METERING AND RELAY DIAGRAM - GEN, GCB, GSUT, UAT UNIT 2 AND 3	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-E3-1910-00001	AREA CLASSIFICATION PLAN AUXILIARY BOILER AREAPLAN EL 2879-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-E3-1910-00002	AREA CLASSIFICATION PLAN AUXILIARY BOILER AREAPLAN EL 2879-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-E4-0011-00001	EQUIPMENT LOCATION HELIOSTAT FIELD PDU ARRANGEMENT	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E4-3110-00001	ELECTRICAL EQUIPMENT LAYOUT PLANT SERVICES BLDG	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-E8-EC-0001	480 VAC CONSTRUCTION POWER PANEL BOARD SCHEDULES UNIT 1	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-E8-EL-00001	120-240 VAC LIGHTING PANEL SCHEDULE UNIT 1	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-E8-EC-00001	480 VAC CONSTRUCTION POWER PANEL BOARD SCHEDULES	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-E8-EL-00001	120-240 VAC AND 120-208 VAC LIGHTING PANEL SCHEDULES	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-E9-0010-09001	CONSTRUCTION FACILITIES ELECTRICAL EQUIPMENT INSTALLATION COMMON AREA	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-E9-0010-09003	TEMPORARY POWER CONSTRUCTION FACILITIES LAYOUT	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EL-0010-00002	POWERBLOCK AREA ROADWAY LIGHTING PLAN	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-EL-0010-00001	UNIT 2 POWER BLOCK AREA ROADWAY LIGHTING PLAN	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-EL-0010-00001	UNIT 3 POWER BLOCK AREA ROADWAY LIGHTING PLAN	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EL-0010-00005	ADMIN BUILDING AREA ROADWAY LIGHTING PLAN	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-009-EL-0010-00006	LIGHTING PLAN COMMON AREA WELL AND WATER STORAGE AREA	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Calculation	25542-001-ELC-EL-00002	UNIT 1 POWERBLOCK LIGHTING CALCULATION	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ELC-EL-00001	LIGHTING CALCULATIONS UNIT 2 POWER BLOCK ROADWAY LIGHTING	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ELC-EL-00001	LIGHTING CALCULATIONS UNIT 3 POWER BLOCK ROADWAY LIGHTING	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Calculation	25542-009-ELC-EL-00003	ADMIN BUILDING AREA ROADWAY LIGHTING CALCULATION	Bechtel			Y													
ELEC-1		Approval	Electrical	Calculation	25542-009-ELC-EL-00008	LIGHTING CALC FOR WELL AND WATER STORAGE AREA	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ERJ-0000-00001	Unit: UG Raceway Notes Symbols and Details	Bechtel		11-Nov-10 A	Y	#VALUE!	CBO ADDIT REQUEST	E490	11-Nov-10 A		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ERJ-0000-00002	NOTES, SYMBOLS AND DETAILS FOR INSTALLATION OF UNDERGROUND RACEWAY	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-0001-00001	POWER BLOCK MANHOLE LAYOUT	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-0001-00002	POWER BLOCK MANHOLE LAYOUTS	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-0001-00003	POWER BLOCK MANHOLE LAYOUT	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-0001-00004	POWER BLOCK MANHOLE LAYOUT	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-0001-00005	POWER BLOCK MANHOLE LAYOUT	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-0010-00002	33KV DIRECT BURIED CABLE CONSTRUCTION POWER POWER BLOCK AREA	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1001-00001	UNDERGOUND RACEWAY PLAN SRSG TOWER AREA PLAN EL 2879'-0"	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1010-00001	RACEWAY PLAN SRSG TOWER AREA EL 2879'-0"	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1010-00002	RACEWAY SECTIONS SRSG TOWER AREA EL 2879'-0"	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1020-00001	RACEWAY PLAN SRSG TOWER AREA EL 2899'-0"	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1030-00001	RACEWAY PLAN SRSG TOWER AREA EL 2919'-0"	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1030-00002	RACEWAY SECTION SRSG TOWER AREA EL 2919'-0"	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1060-00001	RACEWAY SECTION SRSG TOWER AREA EL 2959'-0"	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1070-00001	RACEWAY PLAN SRSG TOWER AREA EL 3155'-0" TO 3174'-6"	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-1090-00001	RACEWAY PLANS AND SECTIONS SRSG AREA EL 3174-6 AND 3194-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-1110-00001	RACEWAY PLANS AND SECTIONS SRSG AREA EL 3206-0 AND EL 3218-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-1120-00001	RACEWAY PLANS AND SECTIONS SRSG AREA EL 3230-3 AND EL 3239-7	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-1120-00002	RACEWAY SECTION SRSG AREA EL 3230-3 AND 333-0	Bechtel			Y													
ELEC-1	6/15/2012	Approval	Electrical	Drawing	25542-001-ER-1140-00001	RACEWAY PLANS AND SECTIONS SRSG AREA EL 3251-3 AND EL 3270-6	Bechtel			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-1160-00001	3279-10 AND EL 3303-9	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-1180-00001	RACEWAY PLANS AND SECTIONS SRSG AREA EL 3315-5 AND EL 3330-0	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-1901-00001	UNDERGROUND RACEWAY PLAN NIGHT TIME PRESERVATION BOILER AREA PLAN EL 2879-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-1910-00001	ABOVEGROUND RACEWAY PLAN AUXILIARY BOILER AREA PLAN EL 2879-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-1910-00002	ABOVEGROUND RACEWAY PLAN AUXILIARY BOILER AREA PLAN EL 2879-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-2110-00002	UNIT 1 RACEWAY PLAN AND SECTIONS TURBINE AREA PLAN FROM 2879-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1910-00001	ABOVEGROUND RACEWAY PLAN AUXILIARY BOILER AREA PLAN EL 3029-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-2110-00002	UNIT 2 RACEWAY PLAN AND SECTIONS TURBINE AREA PLAN FROM EL 3029-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-1910-00001	ABOVEGROUND RACEWAY PLAN AUXILIARY BOILER AREA PLAN EL 3188-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-2110-00002	UNIT 3 RACEWAY PLAN AND SECTIONS TURBINE AREA PLAN FROM EL 3188-0	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2210-00001	RACEWAY PLAN AND SECTIONS HEATER BAY AREA EL 2879'-0"	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2220-00001	RACEWAY PLAN AND SECTIONS HEATER BACY AREA EL 2890'-8"	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2230-00001	RACEWAY PLAN AND SECTIONS HEATER BAY AREA EL 2905'-0"	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3501-00001	UNDERGROUND RACEWAY PLAN STATION SERVICE TRANSFORMER AREA PLAN EL 2879'-0"	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-3501-00002	115KV SWITCHYARD UNDERGROUND RACEWAY PLAN	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-7101-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN WATER TREATMENT AREA	Bechtel		31-Jan-11 A	Y	#VALUE!		E135	31-Jan-11 A		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-7102-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN WATER TREATMENT AREA	Bechtel		31-Jan-11 A		#VALUE!		E135	31-Jan-11 A		0	0	0	0	0	0	0	0
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-7110-00001	UNIT 1 RACEWAY PLAN WATER TREATMENT AREA PLAN FROM EL 2879-0 TO 2898-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-7110-00002	UNIT 1 RACEWAY PLAN WATER TREATMENT AREA PLAN FROM EL 2879-0	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-7191-00001	UNIT 1: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS WATER TREATMENT AREA	Bechtel		31-Jan-11 A		#VALUE!		E135	31-Jan-11 A		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-7201-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN ACC AREA	Bechtel		31-Jan-11 A	Y	#VALUE!		E133	31-Jan-11 A		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-7201-00002	UNDERGROUND RACEWAY PLAN AIR COOLED CONDENSER AREA PLAN EL. 2879'	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-7201-00003	UNDERGROUND RACEWAY PLAN AIR COOLED CONDENSER AREA PLAN EL. 2879'	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-7201-00004	UNDERGROUND RACEWAY PLAN AIR COOLED CONDENSER AREA PLAN EL. 2879'	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-7202-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN ACC AREA	Bechtel		31-Jan-11 A		#VALUE!		E133	31-Jan-11 A		0	0	0	0	0	0	0	0
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-7210-00001	RACEWAY PLAN ACC AREA PLAN	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-7210-00002	RACEWAY PLAN ACC AREA PLAN	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-7210-00003	RACEWAY PLAN ACC AREA PLAN	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-7210-00004	RACEWAY PLAN ACC AREA PLAN	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-7210-00005	RACEWAY PLAN ACC AREA PLAN	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-7210-00006	RACEWAY PLAN ACC AREA PLAN	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-7210-00007	RACEWAY PLAN ACC AREA PLAN	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-7210-00008	RACEWAY PLAN ACC AREA PLAN	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-7291-00001	UNIT 1: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS ACC AREA	Bechtel		31-Jan-11 A	Y	#VALUE!		E133	31-Jan-11 A		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3301-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN SWITCHYARD AREA	Bechtel		Mar-11		0		E138	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3391-00001	UNIT 1: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS SWITCHYARD AREA	Bechtel		Mar-11		0		E138	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2101-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN STEAM TURBINE AREA	Bechtel		07-Dec-10 A	Y	#VALUE!		E131	07-Dec-10 A		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2101-00002	UNDERGROUND RACEWAY PLAN TURBINE AREA PANEL AT EL. 2879 FEET 0 INCHES	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2110-00001	RACEWAY PLAN AND SECTIONS TURBINE LUBE OIL AREA	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2410-00001	RACEWAY LAYOUT UNIT 1 STEAM TURBINE GENERATOR EMBEDDED CONDUIT PLAN	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2191-00001	UNIT 1: UNDERGROUND PLAN SECTIONS AND DETAILS STEAM TURBINE AREA	Bechtel		07-Dec-10 A		#VALUE!		E131	07-Dec-10 A		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2102-00001	UNIT 1: EMBEDDED CONDUIT PLAN STEAM TURBINE PEDESTAL	Bechtel		07-Dec-10 A		#VALUE!		E132	07-Dec-10 A		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2192-00001	UNIT 1: EMBEDDED CONDUIT SECTIONS AND DETAILS STEAM TURBINE PEDESTAL	Bechtel		07-Dec-10 A		#VALUE!		E132	07-Dec-10 A		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1001-00001	POWER BLOCK MANHOLE LAYOUT	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1001-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN SRSG TOWER AREA	Bechtel		25-Jan-11 A	Y	#VALUE!		E130	25-Jan-11 A		0	0	0	0	0	0	0	0

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1002-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN SRSG TOWER AREA	Bechtel		25-Jan-11 A		#VALUE!		E130	25-Jan-11 A		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	FALSE	UNIT 1: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS SRSG TOWER AREA	Bechtel		25-Jan-11 A		#VALUE!		E130	25-Jan-11 A		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1901-00001	UNDERGROUND RACEWAY PLAN FOR NIGHT TIME PRESERVATION BOILER AREA	Bechtel		Jun-11	Y	0		E136	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1991-00001	UNIT 1: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS AUX BOILER AREA	Bechtel		Jun-11		0		E136	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3001-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING CABLE PIT	Bechtel		Feb-11		0		E134	Feb-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3091-00001	UNIT 1: UNDERGROUND PLAN RACWAY SECTIONS AND DETAILS CABLE PIT	Bechtel		Feb-11		0		E134	Feb-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3101-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING AREA	Bechtel		Feb-11		0		E134	Feb-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3102-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING AREA	Bechtel		Feb-11		0		E134	Feb-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3191-00001	UNIT 1: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS PLANT SERVICES BUILDING AREA	Bechtel		Feb-11		0		E134	Feb-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-3600-00001	UNIT 1 FIBER OPTIC ROUTING PLAN FOR 115KV TRANSMISSION LINE	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-3600-00002	UNIT 1 FIBER OPTIC ROUTING PLAN FOR 115KV TRANSMISSION LINE	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-3690-00001	FIBER OPTIC CONDUIT SECTIONS	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-3701-00001	UNDERGROUND RACEWAY PLAN SWITCHYARD AREA PLAN EL 2879-0	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3701-00002	UNDERGROUND RACEWAY PLAN PLANT SERVICES BUILDING AREA EL 2879 FT - 0 INCHES	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3790-00001	UNDERGOUND RACEWAY PLAN PLANT SERVICES BUILDING SECTIONS AND DETAILS	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-3791-00001	UNDERGROUND RACEWAY PLAN SWITCHYARD AREA SECTIONS AND DETAILS PLAN EL 2879-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-9010-00001	RACEWAY PLAN DRAIN TANK AND CHEMICAL STORAGE AREA EL 2879-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-9010-00001	RACEWAY PLAN DRAIN TANK AND CHEMICAL STORAGE AREA UNTI 2 EL 3029-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-9010-00001	RACEWAY PLAN DRAIN TANK AND CHEMICAL STORAGE AREA UNIT 3 EL 3188-0	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1902-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN NIGHTTIME PRESERVATION AREA BOILER	Bechtel		Jun-11		0		E137	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1992-00001	UNIT 1: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS NIGHTIME PRESERVATION BOILER AREA	Bechtel		Jun-11		0		E137	Jun-11		0	0	0	0	0	0	0	0
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0001-00001	UNIT 2 POWERBLOCK MANHOLE LAYOUTS	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0001-00002	UNIT 2 POWERBLOCK MANHOLE LAYOUTS	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0001-00003	UNIT 2 POWERBLOCK MANHOLE LAYOUTS	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0001-00004	UNIT 2 POWERBLOCK MANHOLE LAYOUTS	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0001-00005	UNIT 2 POWERBLOCK MANHOLE LAYOUTS	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0010-00002	33KV DIRECT BURIED CABLE CONSTRUCTION POWER UNIT 2 - POWER BLOCK AREA	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0011-00001	RACEWAY PLAN HELIOSTAT FIELD UNIT 2 - SHEET 1	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0011-00002	RACEWAY PLAN HELIOSTAT FIELD UNIT 2 - SHEET 2	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0011-00003	RACEWAY PLAN HELIOSTAT FIELD UNIT 2 - SHEET 3	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0011-00004	RACEWAY PLAN HELIOSTAT FIELD UNIT 2 - SHEET 4	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0011-00005	RACEWAY PLAN HELIOSTAT FIELD UNIT 2 - SHEET 5	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0011-00006	RACEWAY PLAN HELIOSTAT FIELD UNIT 2 - SHEET 6	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0011-00007	RACEWAY PLAN HELIOSTAT FIELD UNIT 2 - SHEET 7	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0011-00008	RACEWAY PLAN HELIOSTAT FIELD UNIT 2 - SHEET 8	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0011-00009	RACEWAY PLAN HELIOSTAT FIELD UNIT 2 - SHEET 9	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0011-00010	RACEWAY PLAN HELIOSTAT FIELD UNIT 2 - SHEET 10	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0011-00011	RACEWAY PLAN HELIOSTAT FIELD UNIT 2 - SHEET 11	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1010-00001	RACEWAY PLAN SRSG TOWER AREA UNIT 2	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1010-00002	RACEWAY SECTIONS SRSG TOWER AREA UNIT 2	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1020-00001	RACEWAY PLAN SRSG TOWER AREA UNIT 2	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1030-00001	RACEWAY PLAN SRSG TOWER AREA UNIT 2	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1030-00002	RACEWAY SECTIONS SRSG TOWER AREA UNIT 2	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1060-00001	RACEWAY PLAN SRSG TOWER AREA UNIT 2	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1070-00001	RACEWAY PLAN SRSG TOWER AREA UNIT 3	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1090-00001	RACEWAY PLAN AND SECTIONS SRSG AREA EL 3324-6 AND EL 3344-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1110-00001	RACEWAY PLAN AND SECTIONS SRSG AREA EL 3356-0 AND 3368-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1120-00001	RACEWAY PLAN AND SECTIONS SRSG AREA EL 3380-3 AND 3389-7	Bechtel			Y													

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ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1120-00002	RACEWAY PLAN AND SECTIONS SRSG AREA EL 3380-0 TO EL 3480-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1140-00001	RACEWAY PLAN AND SECTIONS SRSG AREA EL 3401-3 AND EL 3420-6	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1160-00001	RACEWAY PLAN AND SECTIONS SRSG AREA EL 3429-10 AND EL 3453-9	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1180-00001	RACEWAY PLAN AND SECTIONS SRSG AREA EL 3465-5 AND EL 3480-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-2110-00001	RACEWAY PLAN AND SECTIONS TURBINE LUBE OIL AREA UNIT 2	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-2210-00001	RACEWAY PLAN AND SECTIONS HEATER BAY AREA UNIT 2	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-2220-00001	RACEWAY PLAN AND SECTIONS HEATER BAY AREA UNIT 2	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-2230-00001	RACEWAY PLAN AND SECTIONS HEATER BAY AREA UNIT 2	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-7101-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN WATER TREATMENT AREA	Bechtel		Jun-11		-58		E235	Apr-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-7102-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN WATER TREATMENT AREA	Bechtel		Jun-11		-58		E235	Apr-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-7191-00001	UNIT 2: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS WATER TREATMENT AREA	Bechtel		Jun-11		-58		E235	Apr-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-7201-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN ACC AREA	Bechtel		May-11		0		E233	May-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-7202-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN ACC AREA	Bechtel		May-11		0		E233	May-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-7291-00001	UNIT 2: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS ACC AREA	Bechtel		May-11		0		E233	May-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3301-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN SWITCHYARD AREA	Bechtel		Sep-11		0		E238	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3391-00001	UNIT 2: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS SWITCHYARD AREA	Bechtel		Sep-11		0		E238	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2101-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN STEAM TURBINE AREA	Bechtel		Jun-11		0		E231	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2191-00001	UNIT 2: UNDERGROUND PLAN SECTIONS AND DETAILS STEAM TURBINE AREA	Bechtel		Jun-11		0		E231	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2102-00001	UNIT 2: EMBEDDED CONDUIT PLAN STEAM TURBINE PEDESTAL	Bechtel		Jun-11		0		E232	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2192-00001	UNIT 2: EMBEDDED CONDUIT SECTIONS AND DETAILS STEAM TURBINE PEDESTAL	Bechtel		Jun-11		0		E232	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1001-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN SRSG TOWER AREA	Bechtel		Jun-11	Y	0		E230	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1002-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN SRSG TOWER AREA	Bechtel		Jun-11		0		E230	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1091-00001	UNIT 2: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS SRSG TOWER AREA	Bechtel		Jun-11	Y	0		E230	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1901-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN AUX BOILER AREA	Bechtel		Sep-11		0		E236	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1991-00001	UNIT 2: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS AUX BOILER AREA	Bechtel		Sep-11		0		E236	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-2101-00001	UNDERGROUND RACEWAY PLAN UNIT 2 TURBINE AREA PLAN EL 3029-0	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-2101-00002	UNDERGROUND RACEWAY PLAN UNIT 2 TURBINE AREA PLAN EL 3029-0	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-2410-00001	RACEWAY LAYOUT UNIT 2 STEAM TURBINE GENERATOR EMBEDDED CONDUIT PLAN	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3001-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING CABLE PIT	Bechtel		May-11		0		E234	May-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3091-00001	UNIT 2: UNDERGROUND PLAN RACWAY SECTIONS AND DETAILS CABLE PIT	Bechtel		May-11		0		E234	May-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3101-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING AREA	Bechtel		May-11		0		E234	May-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3102-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING AREA	Bechtel		May-11		0		E234	May-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3191-00001	UNIT 2: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS PLANT SERVICES BUILDING AREA	Bechtel		May-11		0		E234	May-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3501-00001	UNDERGROUND RACEWAY PLAN UNIT 2 STATION SERVICE TRANSFORMER AREA PLAN EL 3029-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-3501-00002	115KV SWITCHYARD UNDERGROUND RACEWAY PLAN	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3600-00001	UNIT 2 FIBER OPTIC U/G ROUTING PLAN FOR 115KV TRANSMISSION LINE	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-ER-3600-00001	COMMON AREA FIBER OPTIC U/G ROUTING PLAN FOR 115KV TRANSMISSION LINE	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3690-00001	FIBER OPTIC CONDUIT SECTIONS	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-ER-0011-00002	RACEWAY PLAN AND SECTIONS HELIOSTAT FIELD PDU ARRANGEMENT	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-ER-0011-00005	SOLAR FIELD STANDARD TRENCHING DETAILS	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-ER-3510-00001	115KV SWITCHYARD ABOVEGROUND RACEWAY	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-ER-3510-00002	115KV SWITCHYARD ABOVEGROUND RACEWAY				Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-ER-3690-00001	FIBER OPTIC CONDUIT SECTIONS	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-ER-3690-00002	FIBER OPTIC CONDUIT SECTIONS	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1901-00001	UNDERGROUND RACEWAY PLAN NIGHT TIME PRESERVATION BOILER AREA PLAN EL 3029-0	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3701-00001	UNDERGROUND RACEWAY PLAN SWITCHYARD AREA PLAN EL 3029-0	Bechtel			Y													

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ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3701-00002	UNDERGROUND RACEWAY PLAN PLANT SERVICES BUILDING AREA UNTI 2 PLAN EL 3029-0	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3790-00001	UNDERGROUND RACEWAY PLAN PLANT SERVICES BUILDING AREA SECTIONS AND DETAILS UNIT 2	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3791-00001	UNDERGROUND RACEWAY PLAN SWITCHYARD AREA SECTIONS AND DETAILS PLAN EL 3029-0	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1902-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN NIGHTTIME PRESERVATION AREA BOILER	Bechtel		Sep-11		0		E237	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1992-0001	UNIT 2: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS NIGHTIME PRESERVATION BOILER AREA	Bechtel		Sep-11		0		E237	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-7101-00001	UNDERGROUND RACEWAY PLAN WATER TREATMENT AREA PLAN EL 3029-0	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-7201-00001	UNDERGROUND RACEWAY PLAN AIR COOLED CONDENSER AREA PLAN EL. 3029-0	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-7201-00002	UNDERGROUND RACEWAY PLAN AIR COOLED CONDENSER AREA PLAN EL. 3029-0	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-7201-00003	UNDERGROUND RACEWAY PLAN ACC AREA UNIT 2	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-7201-00004	UNDERGROUND RACEWAY PLAN AIR COOLED CONDENSER AREA PLAN EL. 3029-0	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-7291-00001	UNDERGROUND RACEWAY PLAN AIR COOLED CONDENSER AREA PLAN EL. 3029-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-EG-0011-00001	UNIT 3 GROUNDING SYSTEM PLAN HELIOSTAT FIELD	Bechtel			N													
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-1001-00001	UNIT 3 GROUNDING PLAN SRSG TOWER AREA EL 3188-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-EG-1901-00001	UNIT 3 GROUNDING PLAN AUXILIARY BOILER AREA PLAN AT EL 3188-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-EG-3501-00001	UNIT 3 GROUNDING PLAN STATION SERVICE TRANSFORMER AREA PLAN AT EL 3188-0	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-3701-00001	UNIT 3 GROUNDING PLAN SWITCHYARD AREA PLAN EL 3188-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-EG-3701-00002	UNIT 3 GROUNDING PLAN PLANT SERVICE ELECTRICAL BUILDING PLAN T AT EL 3188-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-EG-7101-00001	UNIT 3 GROUNDING PLAN WATER TREATMENT AREA PLAN AT EL 3188-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-0001-00001	UNIT 3 POWER BLOCK MANHOLE LAYOUT	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-0001-00002	UNIT 3 POWER BLOCK MANHOLE LAYOUT	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-0001-00003	UNIT 3 POWER BLOCK MANHOLE LAYOUT	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-0001-00004	UNIT 3 POWER BLOCK MANHOLE LAYOUT	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-0001-00005	UNIT 3 POWER BLOCK MANHOLE LAYOUT	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-0010-00002	33KV AND 480V DIRECT BURIED CABLE CONSTRUCTION POWER UNIT 3 - POWER BLOCK AREA	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-0011-00001	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 1	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-0011-00002	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 2	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-0011-00003	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 3	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-0011-00004	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 4	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-0011-00005	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 5	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-0011-00006	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 6	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-0011-00007	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 7	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-0011-00008	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 8	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-0011-00009	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 9	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-0011-00010	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 10	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-0011-00011	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 11	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-0011-00012	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 12	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-0011-00013	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 13	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-0011-00014	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 14	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-2101-00001	UNDERGROUND RACEWAY PLAN UNIT 3 - TURBINE AREA PLAN EL 3188-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-2101-00002	UNDERGROUND RACEWAY PLANUNIT 3 - TURBINE AREA PLAN EL 3188-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-2110-00001	RACEWAY PLAN AND SECTIONS TURBINE LUBE OIL AREA UNIT 3 - EL 3188-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-2210-00001	RACEWAY PLAN AND SECTIONS HEATER BAY AREA UNIT 3 - EL 3188-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-2220-00001	RACEWAY PLAN AND SECTIONS HEATER BAY AREA UNIT 3 - EL 3199-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-2230-00001	RACEWAY PLAN AND SECTIONS HEATER BAY AREA UNIT 3 - EL 3214-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-2410-00001	RACEWAY LAYOUT UNIT 3 STEAM TURBINE GENERATOR EMBEDDED CONDUIT PLAN	Bechtel			Y													
ELEC-1	6/15/2012	Approval	Electrical	Drawing	25542-003-ER-3501-00001	UNDERGROUND RACEWAY PLAN STATION SERVICE TRANSFORMER AREA UNIT 3 - PLAN AT EL 3188-0	Bechtel			Y													

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ELEC-1		Approval	Electrical	Drawing	25542-003-ER-3501-00002	115KV SWITCHYARD UNDERGROUND RACEWAY PLAN	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-3600-00001	UNIT 3 FIBER OPTIC U/G ROUTING PLAN FOR 115KV TRANSMISSION LINE	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-3600-00002	UNIT 3 FIBER OPTIC U/G ROUTING PLAN FOR 115KV TRANSMISSION LINE	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-3690-00001	FIBER OPTIC CONDUIT SECTIONS	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-3701-00001	UNDERGROUND RACEWAY PLAN SWITCHYARD AREA PLAN EL 3188-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-3701-00002	Underground Raceway Plan Plant Services Building Area Unit 3 Plan EL 3188-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-3790-00001	Underground Raceway Plan Plant Services Building Area Sections and Details - Unit 3	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-3791-00001	UNDERGROUND RACEWAY PLAN SWITCHYARD AREA SECTIONS AND DETAILS	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-1001-00001	Unit 3 - Underground Raceway Plan SRSG Tower Area Plan EL 3188-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-1010-00001	RACEWAY PLAN SRSG TOWER AREA UNIT 3 - EL 3188-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-1010-00002	RACEWAY SECTION SRSG TOWER AREA UNIT 3 - 3188-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-1020-00001	RACEWAY PLAN SRSG TOWER AREA UNIT 3 - EL 3208-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-1030-00001	RACEWAY PLAN SRSG TOWER AREA UNIT 3 - EL 3228-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-1030-00002	RACEWAY SECTION SRSG TOWER AREA UNIT 3 - EL3228-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-1060-00001	RACEWAY SECTION SRSG TOWER AREA UNIT 3 - EL 3268-0 TO EL 3464-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-1070-00001	RACEWAY PLAN SRSG TOWER AREA EL 3464-0 AND EL 3483-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-1090-00001	RACEWAY PLAN AND SECTIONS SRSG AREA EL 3483-6 AND EL 3503-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-1901-00001	UNDERGROUND RACEWAY PLAN NIGHT TIME PRESERVATION BOILER AREA	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-1110-00001	RACEWAY PLAN AND SECTIONS SRSG AREA EL 3515-0 AND EL 3527-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-1120-00001	RACEWAY PLAN AND SECTIONS SRSG AREA EL 3539-3 AND EL 3548-7	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-1120-00002	RACEWAY SECTION SRSG AREA EL 3539-0 TO EL 3639-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-1140-00001	RACEWAY PLAN AND SECTIONS SRSG AREA EL 3560-3 AND EL 3579-6	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-1160-00001	RACEWAY PLAN AND SECTIONS SRSG AREA EL 3588-10 AND EL 3612-9	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-1180-00001	RACEWAY PLAN AND SECTIONS SRSG AREA EL 3624-5 AND 3639-0	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-7101-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN WATER TREATMENT AREA	Bechtel		Sep-11	Y	0		E335	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-7102-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN WATER TREATMENT AREA	Bechtel		Sep-11		0		E335	Sep-11		0	0	0	0	0	0	0	0
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7110-00001	UNIT 3 RACEWAY PLAN WT AREA PLAN FROM EL 3188-0 TO EL 3207-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7110-00002	UNIT 3 RACEWAY PLAN WT AREA PLAN AT EL 3188-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7110-00003	UNIT 3 RACEWAY PLAN WT AREA PLAN AT EL 3188-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7110-00004	UNIT 3 RACEWAY PLAN WT AREA PLAN AT EL 3188-0	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-7191-00001	UNIT 3: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS WATER TREATMENT AREA	Bechtel		Sep-11		0		E335	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-7201-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN ACC AREA	Bechtel		Jul-11	Y	0		E333	Jul-11		0	0	0	0	0	0	0	0
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7201-00002	UNDERGROUND RACEWAY PLAN AIR COOLED CONDENSER AREA PLAN EL. 3188-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7201-00003	UNDERGROUND RACEWAY PLAN AIR COOLED CONDENSER AREA PLAN EL. 3188-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7201-00004	UNDERGROUND RACEWAY PLAN AIR COOLED CONDENSER AREA PLAN EL. 3188-0	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-7202-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN ACC AREA	Bechtel		Jul-11		0		E333	Jul-11		0	0	0	0	0	0	0	0
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7210-00001	UNIT 3 RACEWAY PLAN ACC AREA PLAN FROM EL 3188-0 TO 3200-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7210-00002	UNIT 3 RACEWAY PLAN ACC AREA PLAN FROM EL 3224-0 TO EL 3249-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7210-00003	UNIT 3 RACEWAY PLAN ACC AREA PLAN FROM EL 3224-0 TO EL 3249-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7210-00004	UNIT 3 RACEWAY PLAN ACC AREA PLAN FROM EL 3199-0 TO EL 3249-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7210-00005	UNIT 3 RACEWAY PLAN ACC AREA PLAN FROM EL 3244-0 TO EL 3249-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7210-00006	UNIT 3 RACEWAY PLAN ACC AREA PLAN FROM EL 3188-0 TO EL 3249-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7210-00007	UNIT 3 RACEWAY PLAN ACC AREA PLAN FROM EL 3188-0 TO EL 3249-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7210-00008	UNIT 3 RACEWAY PLAN ACC AREA SECTIONS AND DETAILS	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-7291-00001	UNIT 3: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS ACC AREA	Bechtel		Jul-11	Y	0		E333	Jul-11		0	0	0	0	0	0	0	0
ELEC-1	6/15/2012 G	Approval	Electrical	Drawing	25542-003-ER-3301-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN SWITCHYARD AREA	Bechtel		Dec-11		0		E338	Dec-11		0	0	0	0	25542-000-GMX-GEG00002	0	0	0

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-3391-00001	UNIT 3: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS SWITCHYARD AREA	Bechtel		Dec-11		0		E338	Dec-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-2101-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN STEAM TURBINE AREA	Bechtel		Jul-11		0		E331	Jul-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-2191-00001	UNIT 3: UNDERGROUND PLAN SECTIONS AND DETAILS STEAM TURBINE AREA	Bechtel		Jul-11		0		E331	Jul-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-2102-00001	UNIT 3: EMBEDDED CONDUIT PLAN STEAM TURBINE PEDESTAL	Bechtel		Jul-11		0		E332	Jul-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-2192-00001	UNIT 3: EMBEDDED CONDUIT SECTIONS AND DETAILS STEAM TURBINE PEDESTAL	Bechtel		Jul-11		0		E332	Jul-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-1001-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN SRSG TOWER AREA	Bechtel		Sep-11		0		E330	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-1002-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN SRSG TOWER AREA	Bechtel		Sep-11		0		E330	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-1091-00001	UNIT 3: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS SRSG TOWER AREA	Bechtel		Sep-11		0		E330	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-1901-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN AUX BOILER AREA	Bechtel		Dec-11		0		E336	Dec-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-1991-00001	UNIT 3: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS AUX BOILER AREA	Bechtel		Dec-11		0		E336	Dec-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-3001-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING CABLE PIT	Bechtel		Jul-11		0		E334	Jul-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-3091-00001	UNIT 3: UNDERGROUND PLAN RACWAY SECTIONS AND DETAILS CABLE PIT	Bechtel		Jul-11		0		E334	Jul-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-3101-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING AREA	Bechtel		Jul-11		0		E334	Jul-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-3102-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING AREA	Bechtel		Jul-11		0		E334	Jul-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-3191-00001	UNIT 3: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS PLANT SERVICES BUILDING AREA	Bechtel		Jul-11		0		E334	Jul-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-1902-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN NIGHTTIME PRESERVATION AREA BOILER	Bechtel		Dec-11		0		E337	Dec-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-1992-00001	UNIT 3: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS NIGHTIME PRESERVATION BOILER AREA	Bechtel		Dec-11		0		E337	Dec-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-7610-000##	COMMON: UNDERGROUND RACEWAY PLAN COMMON AREA WATER STORAGE FACILITIES	Bechtel		07-Dec-10 A		#VALUE!	CBO ADDIT REQUEST	E093	07-Dec-10 A		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-7690-000##	COMMON: UNDERGROUND RACEWAY SECTIONS AND DETAILS COMMON AREA FACILITIES	Bechtel		07-Dec-10 A		#VALUE!	CBO ADDIT REQUEST	E093	07-Dec-10 A		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-0010-000##	COMMON: UNDERGROUND RACEWAY PLAN COMMON AREA FACILITIES	Bechtel		07-Dec-10 A	N	#VALUE!	CBO ADDIT REQUEST	E090	07-Dec-10 A		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-0010-00002	UNDERGROUND RACEWAY PLAN COMMON AREA ADMINISTRATION BUILDING AREA	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-0010-00003	UNDERGROUND RACEWAY PLAN COMMON AREA WELL AND WATER STORAGE AREA	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-0010-00004	33KV CABLE ROUTING PLAN HELIOSTAT ASSEMBLY BUILDING AREA	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-0010-00005	UNDERGROUND RACEWAY PLAN HELIOSTAT ASSEMBLY BUILDING AREA	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-0010-00006	LV DIRECT BURIED CABLES ROUTING PLAN HELIOSTAT ASSEMBLY AREA	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-0010-00007	RACEWAY PLAN COMMON AREA ADMIN BLDG BATTERY/ELECTRICAL ROOM DCS EQUIPMENT AND CCR ROOM	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-0010-00010	UNDERGROUND RACEWAY PLAN COMMON AREA SECTIONS AND DETAILS	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-0010-00011	COMMON AREA MANHOLE LAYOUT	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-009-ER-0010-00012	ABOVEGROUND RACEWAY PLAN COMMON AREA WELL AND WATER STORAGE AREA	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-3210-00001	UNDERGROUND RACEWAY PLAN COMMON AREA 33KV SWITCHGEAR	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-3210-00002	EMBEDDED CONDUIT PLAN AND SECTION CONSTRUCTION POWER 500KVA TRANSFORMER COMMON AREA	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-3210-00003	EMBEDDED CONDUIT PLAN AND SECTION CONSTRUCTION POWER 1000KVA TRANSFORMER COMMON AREA	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-3210-00004	UNDERGROUND RACEWAY PLAN AND SECTION HAB AREA 1500KVA TRANSFORMER 9-TP-5C	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-3210-00005	UNDERGROUND RACEWAY PLAN AND SECTIONS COMMON AREA 480V SWITCHBOARD 9-EA-5A	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-3210-00006	UNDERGROUND RACEWAY PLAN AND SECTIONS HAB AREA 480V SWITCHBOARD 9-EA-5C	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-8101-000##	COMMON: UNDERGROUND RACEWAY PLAN ADMIN BLDG & CENTRAL CONTROL ROOM	Bechtel		13-Dec-10 A		#VALUE!	CBO ADDIT REQUEST	E092	13-Dec-10 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-ER-9101-000##	COMMON: EMBEDDED RACEWAY PLAN HELIOSTAT BUILDING FOUNDATION	Bechtel		23-Dec-10 A		#VALUE!	CBO ADDIT REQUEST	E091	23-Dec-10 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-ER-9190-000##	COMMON: EMBEDDED RACEWAY SECTIONS AND DETAILS HELIOSTAT BUILDING AREA	Bechtel		23-Dec-10 A		#VALUE!	CBO ADDIT REQUEST	E091	23-Dec-10 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-ER-9101-000##	COMMON: UNDERGROUND RACEWAY PLAN HELIOSTAT BUILDING	Bechtel		23-Dec-10 A		#VALUE!	CBO ADDIT REQUEST	E091	23-Dec-10 A		0	0	0	0	0	0	0	0
ELEC-1	6/15/2012 G	Approval	Electrical	Drawing	25542-009-ER-7601-000##	COMMON: UNDERGROUND RACEWAY PLAN WATER WELL AREAS	Bechtel		07-Dec-10 A		#VALUE!	CBO ADDIT REQUEST	E093	07-Dec-10 A		0	0	0	0	25542-000-GMX-GEG-00002	0	0	0

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-7601-000##	COMMON: UNDERGROUND RACEWAY PLAN FIRE WATER TANK AND PUMP AREA	Bechtel		07-Dec-10 A		#VALUE!	CBO ADDIT REQUEST	E093	07-Dec-10 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-ER-9010-00001	RACEWAY PLAN AND SECTIONS HELIOSTAT ASSEMBLY BLDG AND CONSTRUCTION AREA	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-9101-000##	Unit-1: HELIOSTAT FIELD UNDERGROUND RACEWAY PLAN	Bechtel		Mar-11		0	CBO ADDIT REQUEST	E139	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-9101-000##	Unit-2: HELIOSTAT FIELD UNDERGROUND RACEWAY PLAN	Bechtel		May-11		0	CBO ADDIT REQUEST	E239	May-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-ER-9101-000##	Unit-3: HELIOSTAT FIELD UNDERGROUND RACEWAY PLAN	Bechtel		Sep-11		0	CBO ADDIT REQUEST	E339	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-9190-000##	Unit-1: HELIOSTAT FIELD UNDERGROUND CABLE SECTIONS AND DETAILS	Bechtel		Mar-11		0	CBO ADDIT REQUEST	E139	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-9190-000##	Unit-2: HELIOSTAT FIELD UNDERGROUND CABLE SECTIONS AND DETAILS	Bechtel		May-11		0	CBO ADDIT REQUEST	E239	May-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-ER-9190-000##	Unit-3: HELIOSTAT FIELD UNDERGROUND CABLE SECTIONS AND DETAILS	Bechtel		Sep-11		0	CBO ADDIT REQUEST	E339	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-E4-0010-00001	EQUIPMENT LOCATION PLAN CONSTRUCTION POWER BLOCK AREA	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E4-3110-00001	Unit: Power Block Electrical bldg - Equip Layout	Bechtel		Mar-11		0	CBO ADDIT REQUEST	A013	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-E4-3601-00001	EQUIPMENT LOCATION PLAN CONSTRUCTION POWER COMMON AREA	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-E4-8110-00001	ELECTRICAL EQUIPMENT LAYOUT COMMON AREA ADMINISTRATION BUILDING	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-000##	Unit: EQUIPMENT LOCATION PLAN SRSG ELECTRICAL EQUIPMENT MODULE	Vendor		May-11		0	CBO ADDIT REQUEST	E440	May-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-000##	Unit: EQUIPMENT LOCATION PLAN STEAM TURBINE ELECTRICAL EQUIPMENT MODULE	Vendor		May-11		0	CBO ADDIT REQUEST	E441	May-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-000##	Unit: EQUIPMENT LOCATION PLAN WATER TREATMENT ELECTRICAL EQUIPMENT MODULE	Vendor		May-11		0	CBO ADDIT REQUEST	E441	May-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-000##	Unit: EQUIPMENT LOCATION PLAN ACC ELECTRICAL EQUIPMENT MODULE	Vendor		May-11		0	CBO ADDIT REQUEST	E441	May-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E4-8110-000##	EQUIPMENT LOCATION PLAN ADMIN BLDG & CENTRAL CONTROL ROOM	Vendor		Mar-11		0	CBO ADDIT REQUEST	A023	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ERJ-0000-00002	Unit: AG Raceway Notes Symbols and Details	Bechtel		28-Jan-11 A		#VALUE!	CBO ADDIT REQUEST	E449	28-Jan-11 A		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1010-000##	UNIT: RACEWAY PLAN SRSG TOWER PLAN EL. 100'-0"	Bechtel		Mar-11		0	CBO ADDIT REQUEST	E450	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1010-000##	UNIT 2/3: RACEWAY PLAN SRSG TOWER PLAN EL. 100'-0"	Bechtel		Mar-11		0	CBO ADDIT REQUEST	E450	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1020-000##	UNIT: RACEWAY PLAN SRSG TOWER PLAN EL. 120'-0"	Bechtel		Mar-11		0	CBO ADDIT REQUEST	E450	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1020-000##	UNIT 2/3: RACEWAY PLAN SRSG TOWER PLAN EL. 120'-0"	Bechtel		Mar-11		0	CBO ADDIT REQUEST	E450	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1030-000##	UNIT: RACEWAY PLAN SRSG TOWER PLAN EL. 140'-0"	Bechtel		Mar-11		0	CBO ADDIT REQUEST	E450	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1030-000##	UNIT 2/3: RACEWAY PLAN SRSG TOWER PLAN EL. 140'-0"	Bechtel		Mar-11		0	CBO ADDIT REQUEST	E450	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1040-000##	UNIT: RACEWAY PLAN SRSG TOWER PLAN EL. 180'-0"	Bechtel		Mar-11		0	CBO ADDIT REQUEST	E450	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1050-000##	UNIT: RACEWAY PLAN SRSG TOWER PLAN EL. 376'-0" AND EL. 415'-0"	Bechtel		Mar-11		0	CBO ADDIT REQUEST	E450	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1110-000##	UNIT: ABOVEGROUND RACEWAY PLAN SRSG STRUCTURE PLAN ELEVATION - 1	Bechtel		Jun-11		0	CBO ADDIT REQUEST	E452	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1120-000##	UNIT: ABOVEGROUND RACEWAY PLAN SRSG STRUCTURE PLAN ELEVATION - 2	Bechtel		Jun-11		0	CBO ADDIT REQUEST	E452	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1130-000##	UNIT: ABOVEGROUND RACEWAY PLAN SRSG STRUCTURE PLAN ELEVATION - 3	Bechtel		Jun-11		0	CBO ADDIT REQUEST	E452	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1140-000##	UNIT: ABOVEGROUND RACEWAY PLAN SRSG STRUCTURE PLAN ELEVATION - 4	Bechtel		Jun-11		0	CBO ADDIT REQUEST	E452	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1150-000##	UNIT: ABOVEGROUND RACEWAY PLAN SRSG STRUCTURE PLAN ELEVATION - 5	Bechtel		Jun-11		0	CBO ADDIT REQUEST	E452	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1190-000##	UNIT: ABOVEGROUND RACEWAY SECTIONS AND DETAILS SRSG STRUCTURE	Bechtel		Jun-11		0	CBO ADDIT REQUEST	E452	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1910-000##	UNIT: ABOVEGROUND RACEWAY PLAN AUXILIARY BOILER AREA AT GRADE	Bechtel		Sep-11		0	CBO ADDIT REQUEST	E459	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1990-000##	UNIT: ABOVEGROUND RACEWAY SECTIONS AND DETAILS AUXILIARY BOILER AREA	Bechtel		Sep-11		0	CBO ADDIT REQUEST	E459	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2110-000##	UNIT 1: RACEWAY PLAN TURBINE AREA PLAN EL 100'-0" AND EL. 111'-8"	Bechtel		May-11		0	CBO ADDIT REQUEST	E150	May-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2120-000##	UNIT 1: RACEWAY PLAN TURBINE AREA PLAN EL 126'-0"	Bechtel		May-11		0		E150	May-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2130-000##	UNIT 1: RACEWAY PLAN TURBINE AREA PLAN 138'-3"	Bechtel		May-11		0		E150	May-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2190-000##	UNIT 1: RACEWAY SECTIONS AND DETAILS	Bechtel		May-11		0		E150	May-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2110-000##	UNIT 2/3: RACEWAY PLAN TURBINE AREA PLAN EL 100'-0" AND EL. 111'-8"	Bechtel		Dec-11		0	CBO ADDIT REQUEST	E250	Dec-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2120-000##	UNIT 2/3: RACEWAY PLAN TURBINE AREA PLAN EL 126'-0"	Bechtel		Dec-11		0	CBO ADDIT REQUEST	E250	Dec-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2130-000##	UNIT 2/3: RACEWAY PLAN TURBINE AREA PLAN 138'-3"	Bechtel		Dec-11		0	CBO ADDIT REQUEST	E250	Dec-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2190-000##	UNIT 2/3: RACEWAY SECTIONS AND DETAILS	Bechtel		Dec-11		0	CBO ADDIT REQUEST	E250	Dec-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-3001-000##	UNIT: ABOVEGROUND RACEWAY PLAN ELECTRICAL BLDG CABLE PIT	Bechtel		Jun-11		-81	CBO ADDIT REQUEST	E454	Apr-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-3110-000##	UNIT: ABOVEGROUND RACEWAY PLAN PSB BLDG	Bechtel		Jun-11		-60	CBO ADDIT REQUEST	E456	Apr-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-3101-00001	RACEWAY LAYOUT PLANT SERVICES BUILDING	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-3101-00002	RACEWAY LAYOUT PLANT SERVICES BUILDING	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-3110-00001	ELECTRICAL PENETRATION PLAN PLANT SERVICES BUILDING	Bechtel			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-3210-00001	UNDERGROUND RACEWAY PLAN POWER BLOCK CONSTRUCTION POWER 480V SWITCHBOARDS	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-3210-00002	UNDERGROUND RACEWAY PLAN POWER BLOCK CONSTRUCTION POWER 1000KVA TRANSFORMERS	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-3310-000##	UNIT: ABOVEGROUND RACEWAY PLAN TRANSFORMER YARD AREA	Bechtel		Oct-11		0	CBO ADDIT REQUEST	E458	Oct-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-7110-000##	UNIT: ABOVEGROUND RACEWAY PLAN WATER TREATMENT AT GRADE	Bechtel		Jun-11		0	CBO ADDIT REQUEST	E461	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-7190-000##	UNIT: ABOVEGROUND RACEWAY SECTIONS AND DETAILS WATER TREATMENT AREA	Bechtel		Jun-11		0	CBO ADDIT REQUEST	E461	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-7210-000##	UNIT: ABOVEGROUND RACEWAY PLAN ACC AREA AT GRADE	Bechtel		Jun-11		-58	CBO ADDIT REQUEST	E463	Apr-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-7220-000##	UNIT: ABOVEGROUND RACEWAY PLAN ACC UPPER ELEVATIONS	Bechtel		Jun-11		-58	CBO ADDIT REQUEST	E463	Apr-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-7290-000##	UNIT: ABOVEGROUND RACEWAY SECTIONS AND DETAILS ACC AREA	Bechtel		Jun-11		-58	CBO ADDIT REQUEST	E463	Apr-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-ER-9111-000##	COMMON: ABOVEGROUND RACEWAY PLAN HELIOSTAT BUILDING	Bechtel		Mar-11		0	CBO ADDIT REQUEST	A033	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-ER-9191-000##	COMMON: ABOVEGROUND RACEWAY SECTIONS AND DETAILS HELIOSTAT BUILDING	Bechtel		Mar-11		0	CBO ADDIT REQUEST	A033	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-8110-000##	Common: ABOVEGROUND RACEWAY RACEWAY PLAN ADMIN BLDG & CENTRAL CONTROL ROOM	Bechtel		Jun-11		-58	CBO ADDIT REQUEST	E060	Apr-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-8190-000##	Common: ABOVEGROUND RACEWAY RACEWAY SECTION AND DETAILS ADMIN BLDG & CENTRAL CONTROL ROOM	Bechtel		Jun-11		-58	CBO ADDIT REQUEST	E060	Apr-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-7610-000##	Common: ABOVEGROUND RACEWAY RACEWAY PLAN COMMON AREA WATER STORAGE FACILITIES	Bechtel		Sep-11		0	CBO ADDIT REQUEST	E062	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-ER-9010-000##	HELIOSTAT FIELD ABOVEGROUND RACEWAY SECTIONS AND DETAILS (CDPU, WEATHER STATION CAMERA)	Bechtel		Mar-11		0	CBO ADDIT REQUEST	E465	Mar-11		0	0	0	0	0	0	0	0
ELEC-1		Approval	Electrical	Drawing	25542-000-EQ-0000-00001	CATHODIC PROTECTION PLAN SECTIONS AND DETAILS	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EQ-0000-00002	POWER BLOCK AREA CATHODIC PROTECTION PLAN FOR UNDERGROUND CARBON STEEL PIPES	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EQJ-0000-00001	Cathodic Protection - Notes Symbols and Details	Bechtel		27-Aug-10 A	Y	0	CBO ADDIT REQUEST	E015	27-Aug-10 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-0010-00001	Unit-1: CATHODIC PROTECTION PLAN POWERBLOCK AREA	Bechtel		Mar-11		0	CBO ADDIT REQUEST	E110	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EQ-0010-00001	Unit-2: CATHODIC PROTECTION PLAN POWERBLOCK AREA	Bechtel		Aug-11		0	CBO ADDIT REQUEST	E210	Aug-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EQ-0010-00001	Unit-3: CATHODIC PROTECTION PLAN POWERBLOCK AREA	Bechtel		Jan-12		0	CBO ADDIT REQUEST	E310	Jan-12		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EQ-0000-00001	CATHODIC PROTECTION DETAILS	Bechtel		27-Aug-10 A	Y	0	CBO ADDIT REQUEST	E015	27-Aug-10 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EQ-0000-00001	CATHODIC PROTECTION ONE LINE DIAGRAM FUEL GAS PIPE - FG SYSTEM	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EQ-0000-00002	CATHODIC PROTECTION INSTALLATION DETAILS FUEL GAS PIPE - FG SYSTEM	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EQ-0000-00003	CATHODIC AC MITIGATION GRADIENT CONTROL WIRE FUEL GAS PIPE - FG SYSTEM	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-N3C-EQA1-00001	CATHODIC PROTECTION NATURAL GAS PIPING	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EQ-0010-00001	Common: CATHODIC PROTECTION NATURAL GAS PIPELINE	Bechtel		27-Aug-10 A	Y	#VALUE!	CBO ADDIT REQUEST	E016	27-Aug-10 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-9101-00001	Unit-1: CATHODIC PROTECTION PLAN UG PIPING HELIOSTAT FIELD AREA	Bechtel		27-Aug-10 A		#VALUE!	CBO ADDIT REQUEST	E016	27-Aug-10 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EQ-9101-00001	Unit-2: CATHODIC PROTECTION PLAN UG PIPING HELIOSTAT FIELD AREA	Bechtel		27-Aug-10 A		#VALUE!	CBO ADDIT REQUEST	E016	27-Aug-10 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EQ-9101-00001	Unit-3: CATHODIC PROTECTION PLAN UG PIPING HELIOSTAT FIELD AREA	Bechtel		27-Aug-10 A		#VALUE!	CBO ADDIT REQUEST	E016	27-Aug-10 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EGJ-0000-00001		Bechtel		03-Sep-10 A	Y	#VALUE!	CBO ADDIT REQUEST	E034	03-Sep-10 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-0010-00001	Unit-1: Power Block Grounding Plan	Bechtel		01-Feb-11 A	Y	#VALUE!		E100	01-Feb-11 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-0010-00002	POWER BLOCK LIGHTNING PROTECTION OVERVIEW	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-0011-00001	UNIT 1 GROUNDING SYSTEM PLAN HELIOSTAT FIELD	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Calculation	25542-001-EGC-EG-00002	UNIT 1 HELIOSTAT FIELD GROUNDING CALCULATION	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-EG-1901-00001	UNIT 1 GROUNDING PLAN AUXILIARY BOILER AREA PLAN AT EL 2879-0	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-2101-00002	GROUNDING PLAN STG EEM AREA PLAN	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-3501-00001	UNIT 1 GROUNDING PLAN STATION SERVICE TRANSFORMER AREA PLAN	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-3701-00002	UNIT 1 GROUNDING PLAN PSB ELECTRICAL BUILDING	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-009-EG-0010-00003	GROUNDING PLAN COMMON AREA ADMIN BUILDING AREA	Bechtel			Y													
ELEC-1	6/15/2012	Approval	Electrical	Drawing	25542-009-EG-0010-00004	GROUNDING PLAN COMMON AREA WELL AND WATER STORAGE AREA	Bechtel			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EG-0010-00005	COMMON AREA ADMIN BLDG AND WATER STORAGE AREA LIGHTNING PROTECTION OVERVIEW	Bechtel			Y													
ELEC-1		Approval	Electrical	Calculation	25542-000-EGC-EG-00001	LIGHTNING RISK ASSESSMENT CALCULATION	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-0010-00001	Unit-2: Power Block Grounding Plan	Bechtel		May-11		0		E200	May-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-0010-00001	Unit-3: Power Block Grounding Plan	Bechtel		Jun-11		0		E300	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-7101-00001	UNIT 1: GROUNDING PLAN WATER TREATMENT AREA	Bechtel		May-11		0		E101	May-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-7102-00001	UNIT 1: GROUNDING PLAN WATER TREATMENT AREA	Bechtel		May-11		0		E101	May-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-7201-00001	UNIT 1: GROUNDING PLAN ACC AREA	Bechtel		Mar-11		0		E102	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-7202-00001	UNIT 1: GROUNDING PLAN ACC AREA	Bechtel		Mar-11		0		E102	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-3301-00001	UNIT 1: GROUNDING PLAN SWITCHYARD AREA	Bechtel		Feb-11		0		E103	Feb-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-2101-00001	UNIT 1: GROUNDING PLAN STEAM TURBINE AREA	Bechtel		Jun-11		-79		E104	Apr-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-1001-00001	UNIT 1: GROUNDING PLAN SRSG TOWER AREA	Bechtel		24-Jan-11 A	Y	#VALUE!		E105	24-Jan-11 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-1002-00001	UNIT 1: GROUNDING PLAN SRSG TOWER AREA	Bechtel		24-Jan-11 A		#VALUE!		E105	24-Jan-11 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-1901-00001	UNIT 1: GROUNDING PLAN AUX BOILER AREA	Bechtel		Jun-11		0		E106	Jun-11		0	0	0	0	0	0	0	0
ELEC-1		Approval	Electrical	Drawing	25542-001-EG-2101-00001	UNIT 1 GROUNDING PLAN TURBINE AND LUBE OIL AREA PLAN AT EL 2879-0 AND 2890-8	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-3101-00001	UNIT 1: GROUNDING PLAN PLANT SERVICES BUILDING AREA	Bechtel		Feb-11		0		E107	Feb-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-3102-00001	UNIT 1: GROUNDING PLAN PLANT SERVICES BUILDING AREA	Bechtel		Feb-11		0		E107	Feb-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-3701-00001	UNIT 1 GROUNDING PLAN SWITCHYARD AREA PLAN EL 2879'-0"	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-3701-00002	UNIT 1 GROUNDING PLAN PLANT SERVIES ELECTRICAL BUILDING AT EL 2879'-0"	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-1902-00001	UNIT 1: GROUNDING PLAN NIGHTTIME PRESERVATION AREA BOILER	Bechtel		Aug-11		0		E108	Aug-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-7201-00001	UNIT 1 GROUNDING PLAN ACC AREA PLAN EL 2879-0				Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-7201-00002	UNIT 1 GROUNDING PLAN ACC AREA PLAN EL 2879-0				Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-7101-00001	GROUNDING PLAN WATER TREATMENT AREA PLAN AT EL 2879-0				Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-EG-7101-00001	UNIT 2 GROUNDING PLAN WATER TREATMENT AREA PLAN AT EL 3029-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-EG-7201-00001	UNIT 2 GROUNDING PLAN AIR COOLED CONDENSER AREA PLAN AT EL 3029-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-EG-7201-00002	UNIT 2 GROUNDING PLAN AIR COOLED CONDENSER AREA PLAN AT EL 3029-0	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-7101-00001	UNIT 2: GROUNDING PLAN WATER TREATMENT AREA	Bechtel		30-Oct-09 A		#VALUE!		E201	30-Oct-09 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-7102-00001	UNIT 2: GROUNDING PLAN WATER TREATMENT AREA	Bechtel		30-Oct-09 A		#VALUE!		E201	30-Oct-09 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-7201-00001	UNIT 2: GROUNDING PLAN ACC AREA	Bechtel		Aug-11		0		E202	Aug-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-7202-00001	UNIT 2: GROUNDING PLAN ACC AREA	Bechtel		Aug-11		0		E202	Aug-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-3301-00001	UNIT 2: GROUNDING PLAN SWITCHYARD AREA	Bechtel		Aug-11		0		E203	Aug-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-2101-00001	UNIT 2: GROUNDING PLAN STEAM TURBINE AREA	Bechtel		Aug-11		0		E204	Aug-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-1001-00001	UNIT 2: GROUNDING PLAN SRSG TOWER AREA	Bechtel		Jul-11		0		E205	Jul-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-1002-00001	UNIT 2: GROUNDING PLAN SRSG TOWER AREA	Bechtel		Jul-11		0		E205	Jul-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-1901-00001	UNIT 2: GROUNDING PLAN AUX BOILER AREA	Bechtel		Oct-11		0		E206	Oct-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-3101-00001	UNIT 2: GROUNDING PLAN PLANT SERVICES BUILDING AREA	Bechtel		Aug-11		0		E207	Aug-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-3102-00001	UNIT 2: GROUNDING PLAN PLANT SERVICES BUILDING AREA	Bechtel		Aug-11		0		E207	Aug-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-1902-00001	UNIT 2: GROUNDING PLAN NIGHTTIME PRESERVATION AREA BOILER	Bechtel		Aug-11		0		E208	Aug-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-7101-00001	UNIT 3: GROUNDING PLAN WATER TREATMENT AREA PLAN AT EL 3188-0	Bechtel		Aug-11		0		E301	Aug-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-7102-00001	UNIT 3: GROUNDING PLAN WATER TREATMENT AREA	Bechtel		Aug-11		0		E301	Aug-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-7201-00001	UNIT 3: GROUNDING PLAN ACC AREA	Bechtel		Oct-11	Y	0		E302	Oct-11		0	0	0	0	0	0	0	0
ELEC-1		Approval	Electrical	Drawing	25542-003-EG-7201-00002	UNIT 3 GROUNDING PLAN AIR COOLED CONDENSER AREA PLAN AT EL 3188-0	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-7202-00001	UNIT 3: GROUNDING PLAN ACC AREA	Bechtel		Oct-11		0		E302	Oct-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-3301-00001	UNIT 3: GROUNDING PLAN SWITCHYARD AREA	Bechtel		Aug-11		0		E303	Aug-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-2101-00001	UNIT 3: GROUNDING PLAN STEAM TURBINE AREA	Bechtel		Aug-11		0		E304	Aug-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-1001-00001	UNIT 3: GROUNDING PLAN SRSG TOWER AREA	Bechtel		Aug-11		0		E305	Aug-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-1002-00001	UNIT 3: GROUNDING PLAN SRSG TOWER AREA	Bechtel		Aug-11		0		E305	Aug-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-1901-00001	UNIT 3: GROUNDING PLAN AUX BOILER AREA	Bechtel		Oct-11		0		E306	Oct-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-3101-00001	UNIT 3: GROUNDING PLAN PLANT SERVICES BUILDING AREA	Bechtel		Aug-11		0		E307	Aug-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-3102-00001	UNIT 3: GROUNDING PLAN PLANT SERVICES BUILDING AREA	Bechtel		Aug-11		0		E307	Aug-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-1902-00001	UNIT 3: GROUNDING PLAN NIGHTTIME PRESERVATION AREA BOILER	Bechtel		Aug-11		0		E308	Aug-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-3101-00001	UNIT 1: Electrical Service Building Area Grounding Plan	Bechtel		Feb-11		0		E107	Feb-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-0010-00001	UNIT 2 GROUNDING PLAN MAIN PLANT GRID	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-EG-0011-00001	UNIT 2 GROUNDING SYSTEM PLAN HELIOSTAT	Bechtel			N													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
ELEC-1		Approval	Electrical	Calculation	25542-002-EGC-EG-00002	UNIT 2 HELIOSTAT FIELD GROUNDING CALCULATION	Bechtel			N													
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-1001-00001	UNIT 2 GROUNDING PLAN SRSG TOWER AREA EL 3029'-0"	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-EG-1901-00001	UNIT 2 GROUNDING PLAN AUXILIARY BOILER AREA PLAN AT EL 3029-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-EG-2101-00001	UNIT 2 GROUNDING PLAN TURBINE AND LUBE OIL AREA PLAN AT EL 3029-0 AND 3040-8	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-EG-2101-00002	UNIT 2 GROUNDING PLAN STG EEM AREA PLAN AT EL 3029-0	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-3101-00001	UNIT 2: Electrical Service Building Area Grounding Plan	Bechtel		Aug-11		0		E207	Aug-11		0	0	0	0	0	0	0	0
ELEC-1		Approval	Electrical	Drawing	25542-002-EG-3501-00001	UNIT 2 GROUNDING PLAN STATION SERVICE TRANSFORMER AREA PLAN AT EL 3029-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-EG-3701-00001	UNIT 2 GROUNDING PLAN SWITCHYARD AREA PLAN AT EL 3029-0	bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-002-EG-3701-00002	UNIT 2 GROUNDING PLAN PLANT SERVICES ELECTRICAL BUILDING PLAN	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-EG-0010-00001	UNIT 3 GROUNDING PLAN MAIN PLANT GRID	Bechtel			Y													
ELEC-1		Approval	Electrical	Calculation	25542-003-EGC-EG-00001	UNIT 3 POWER BLOCK GROUND GRID CALCULATION	Bechtel			Y													
ELEC-1		Approval	Electrical	Calculation	25542-003-EGC-EG-00002	UNIT 3 HELIOSTAT FIELD GROUNDING CALCULATION	Bechtel			N													
ELEC-1		Approval	Electrical	Drawing	25542-003-EG-2101-00001	UNIT 3 GROUNDING PLAN TURBINE AND LUBE OIL AREA PLAN AT EL 3188-0 AND 3199-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-003-EG-2101-00002	UNIT 3 GROUNDING PLAN STG EEM AREA PLAN AT EL 3188-0	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-3101-00001	UNIT 3: Electrical Service Building Area Grounding Plan	Bechtel		Aug-11		0		E307	Aug-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EG-3101-00001	UNIT: Electrical Service Building Area Grounding Plan	Bechtel		Jun-11		-60		E033	Apr-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	2542-009-EG-0010-00001	GROUND GRID COMMON AREA ADMIN BLDG AND WATER STORAGE AREA	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	2542-009-EG-0010-00002	GROUND GRID HELIOSTAT ASSEMBLY BUILDING AND CONSTRUCTION AREA	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	2542-009-EG-0010-00003	GROUNDING PLAN COMMON AREA ADMIN BUILDING AREA	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	2542-009-EG-0010-00004	GROUNDING PLAN COMMON AREA WELL AND WATER STORAGE AREA	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EG-8101-000##	Common: Admin Building Area and CCR Grounding Plan	Bechtel		Jun-11		-77		E030	Apr-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EG-9101-000##	Common: Heliostat Building Area Grounding Plan	Bechtel		19-Jan-11 A		#VALUE!		E031	19-Jan-11 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EG-7601-000##	Common: Common Area Grounding Plan	Bechtel		06-Jan-11 A		#VALUE!		E032	06-Jan-11 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EG-9010-00001	AREA GROUNDING PLAN HELIOSTAT ASSEMBLY BUILDING AND CONSTRUCTION AREA	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EG-9010-00002	AREA GROUNDING PLAN HELIOSTAT ASSEMBLY BUILDING AND CONSTRUCTION AREA	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EG-9010-00003	AREA GROUNDING PLAN HELIOSTAT ASSEMBLY BUILDING AND CONSTRUCTION AREA	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EG-0000-00001	TORTOISE FENCE GROUNDING DETAILS	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EG-0000-00002	COMMON AREA SECURITY FENCE GROUNDING DETAILS	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EG-0000-00003	TRAILER GROUNDING DETAIL	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EG-0011-00001	HELIOSTAT FIELD CPDU AND PDU GROUNDING DETAILS	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EG-1100-00001	LIGHTNING PROTECTION SRSG TOWER AT EL 100-0 TO EL 559-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EG-1100-00002	LIGHTNING PROTECTION SRSG TOWER AT EL 551-0	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EG-0010-000##	Unit: Lightning Protection Key Plan	Bechtel		Feb-11		0	CBO ADDIT REQUEST	E070	Feb-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EG-1160-000##	Unit: Lightning Protection Plan: Boiler Structure	Bechtel		Jul-11		0	CBO ADDIT REQUEST	E071	Jul-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EG-3110-000##	Unit: Lightning Protection Plan: PS Admin Building	Vendor		Mar-11		0	CBO ADDIT REQUEST	A023	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EG-2111-000##	Unit: Lightning Protection STG Enclosure	Bechtel		Jun-11		0		E072	Jun-11		0	0	0	0	0	0	0	0
ELEC-1		Approval	Electrical	Drawing	25542-000-EG-2111-00001	LIGHTING PROTECTION STEAM TURBINE ENCLOSURE	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EG-2111-00002	LIGHTNING PROTECTION STEAM TURBINE/GENERATOR ELECTRICAL EQUIPMENT MODULE	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EG-2111-00003	LIGHTNING PROTECTION MEDIUM VOLTAGE VFD ELECTRICAL EQUIPMENT MODULE	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EG-7111-00001	LIGHTNING PROTECTION WATER TREATMENT ELECTRICAL EQUIPMENT MODULE	Bechtel			Y													
VIS-4	NA	Approval	Electrical	Drawing	25542-000-ELJ-0000-00001	Unit: Lighting - Notes, Symbols and Details	Bechtel		19-Nov-10 A		#VALUE!		E403	19-Nov-10 A		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-0010-000##	UNIT: ROADWAY LIGHTING PLAN	Bechtel		Jun-11		-78		E400	Apr-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-0010-000##	UNIT: CONSTRUCTION LIGHTING PLAN	Bechtel		31-Aug-10 A		#VALUE!		E404	31-Aug-10 A		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1010-000##	UNIT: LIGHTING PLAN SRSG TOWER PLAN EL. 100'-0"	Bechtel		Jun-11		0		E401	Jun-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1020-000##	UNIT: LIGHTING PLAN SRSG TOWER PLAN EL. 120'-0"	Bechtel		Jun-11		0		E401	Jun-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1030-000##	UNIT: LIGHTING PLAN SRSG TOWER PLAN EL. 140'-0"	Bechtel		Jun-11		0		E401	Jun-11		0	0	0	0	0	0	0	0

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1040-000##	UNIT: LIGHTING PLAN SRSG TOWER PLAN EL. 180'-0"	Bechtel		Jun-11		0		E401	Jun-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1050-000##	UNIT: LIGHTING PLAN SRSG TOWER PLAN EL. 376'-0" AND EL. 415'-0"	Bechtel		Jun-11		0		E401	Jun-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1110-000##	UNIT: LIGHTING PLAN SRSG STRUCTURE ELEVATION - 1	Bechtel		Jun-11		0		E402	Jun-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1120-000##	UNIT: LIGHTING PLAN SRSG STRUCTURE ELEVATION - 2	Bechtel		Jun-11		0		E402	Jun-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1130-000##	UNIT: LIGHTING PLAN SRSG STRUCTURE ELEVATION - 3	Bechtel		Jun-11		0		E402	Jun-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1140-000##	UNIT: LIGHTING PLAN SRSG STRUCTURE ELEVATION - 4	Bechtel		Jun-11		0		E402	Jun-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1150-000##	UNIT: LIGHTING PLAN SRSG STRUCTURE ELEVATION - 5	Bechtel		Jun-11		0		E402	Jun-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1160-000##	UNIT: LIGHTING PLAN SRSG AVIATION WARNING	Bechtel		Jun-11		0		E405	Jun-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1090-000##	UNIT: LIGHTING PLAN TOWER STRUCTURE STAIRWAY	Bechtel		Jun-11		0		E401	Jun-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1910-000##	Unit: LIGHTING PLAN AUXILIARY BOILER AREA AT GRADE	Bechtel		May-11		0		E407	May-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1990-000##	Unit: LIGHTING PLAN AUXILIARY BOILER AREA ELEVATION & SECTIONS	Bechtel		May-11		0		E407	May-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-2110-000##	UNIT: LIGHTING TURBINE AREA PLAN EL 100'-0" AND EL. 111'-8"	Bechtel		May-11		0		E408	May-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-2120-000##	UNIT: LIGHTING TURBINE AREA PLAN EL 126'-0"	Bechtel		May-11		0		E408	May-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-2130-000##	UNIT: LIGHTING TURBINE AREA PLAN 138'-3"	Bechtel		May-11		0		E408	May-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-2190-000##	Unit: MISCELLANEOUS LIGHTING STEAM TURBINE AREA	Bechtel		May-11		0		E408	May-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-3001-000##	Unit: LIGHTING PLAN ELECTRICAL BLDG CABLE PIT	Bechtel		Jan-11		0		E409	Jan-11		0	0	0	0	0	0	0	1
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-3110-000##	Unit: LIGHTING PLAN ADMIN & ELECTRICAL BLDG	Vendor		Mar-11		0		A023	Mar-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-3310-000##	Unit: LIGHTING PLAN TRANSFORMER YARD AREA	Bechtel		Jun-11		0		E410	Jun-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-7110-000##	Unit: LIGHTING PLAN WATER TREATMENT AT GRADE	Bechtel		Jun-11		0		E411	Jun-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-7210-000##	Unit: LIGHTING PLAN ACC AREA AT GRADE	Bechtel		Mar-11		0		E412	Mar-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-7220-000##	Unit: LIGHTING PLAN ACC UPPER ELEVATIONS	Bechtel		Mar-11		0		E412	Mar-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-7290-000##	Unit: LIGHTING PLAN ACC STAIRWAY	Bechtel		Mar-11		0		E412	Mar-11		0	0	0	0	0	0	0	0
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1010-00001	LIGHTING PLAN SRSG STRUCTURE GRADE PLAN AT EL 2879-0 100-0	Bechtel			N													
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1020-00001	LIGHTING PLANSRSG STRUCTURE PLAN AT EL 2899-0 120-0	Bechtel			N													
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1030-00001	LIGHTING PLANSRSG STRUCTURE PLAN AT EL 2919-0 140-0	Bechtel			N													
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1040-00001	LIGHTING PLANSRSG STRUCTURE PLAN AT EL 2959-0 180-0	Bechtel			N													
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1050-00001	LIGHTING PLANSRSG STRUCTURE PLAN AT EL 2999-0 (220-0), 3038-0 (259-0), 3077-0 (289-0), 3116-0 (337-0)	Bechtel			N													
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1060-00001	LIGHTING PLANSRSG STRUCTURE PLAN AT EL 3155-0 (376-0), 3174-6 (395-6), 3194-0 (415-0, 3206-0 (427-0)	Bechtel			N													
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1070-00001	LIGHTING PLAN SRSG TOWER PLAN EL 3218-0 (439), EL 3230-3 (451-3), EL 3239-7 (460-7), EL 3251-3 (472-3)	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1080-00001	LIGHTING PLAN SRSG TOWER PLAN EL3270-6 (491-6), EL 3279-10 (500-10), EL 3303-9 (524-9), EL 3315-5 (536-5)	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1090-00001	LIGHTING ARRANGEMENT SRSG STRUCTURE STAIRCASE - FROM EL 2879-0 (100-0) TO 3206-0 (427-0)	Bechtel			N													
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1100-00001	OBSTRUCTION LIGHTING SRSG TOWER EL 100-0 TO EL 559-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1100-00002	OBSTRUCTION LIGHTING SRSG TOWER PLANS EL 220-0, EL 337-0, EL 427-0 AND EL 551-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1100-00003	OBSTRUCTION LIGHTING SRSG TOWER, PARTIAL PLAN, EL 395-6 AND DETAILS	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1110-00001	LIGHTING PLAN SRSG TOWER PLAN EL 3330-0 (551-0)	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1910-00001	LIGHTING PLAN AUXILIARY BOILER AREA PLAN AT EL 2879-0 (100-0)	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-3101-00001	LIGHTING PLAN PLANT SERVICES BUILDING CABLE PIT	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-3510-00001	LIGHTING PLAN STATION SERVICE TRANSFORMER AREA PLAN AT EL 2879-0	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-3710-00001	LIGHTING PLAN SWITCHYARD AND PSB AREA AT GRADE	BB			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-7110-00001	LIGHTING PLAN WATER TREATMENT AREA PLAN AT GRADE	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EL-7210-00001	LIGHTING PLAN AIR COOLED CONDENSER AREA PLAN AT GRADE	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EL-7210-00002	LIGHTING PLAN AIR COOLED CONDENSER AREA PLAN AT GRADE	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EL-7220-00001	LIGHTING PLAN AIR COOLED CONDENSER AREA PLAN AT UPPER DECK	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-9010-00001	LIGHTING PLAN DRAIN TANK AREA PLAN AT EL 2879-0	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EL-0010-00001	POWER BLOCK AREA CONSTRUCTION ROADWAY LIGHTING PLAN	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EL-0010-00002	POWERBLOCK AREA ROADWAY LIGHTING PLAN	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EL-0010-00001	CONSTRUCTION ROADWAY LIGHTING KEY PLAN	Bechtel			Y													

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EL-0010-00002	CONSTRUCTION FACILITIES TEMPORARY LIGHTING PLAN COMMON AREA	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EL-0010-00003	ADMIN BUILDING AREA CONSTRUCTION ROADWAY LIGHTING PLAN	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EL-0010-00005	ADMIN BUILDING AREA ROADWAY LIGHTING PLAN	Bechtel			Y													
VIS-4	NA	Approval	Electrical	Drawing	25542-009-EL-0010-000##	Common: LIGHTING SECTIONS AND DETAILS COMMON AREA FACILITIES (Guard Hs, Gate)	Bechtel		May-11	Y	0		E041	May-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-009-EL-0010-000##	Common: COMMON AREA ROADWAY LIGHTING PLAN	Bechtel		08-Sep-10 A	Y	#VALUE!		E042	08-Sep-10 A		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-009-EL-0010-000##	Common: COMMON AREA CONSTRUCTION LIGHTING PLAN	Bechtel		31-Aug-10 A	Y	#VALUE!		E040	31-Aug-10 A		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-009-V1A-AKBS-000##	Common: LIGHTING RACEWAY PLAN ADMIN BLDG & CENTRAL CONTROL ROOM	Vendor		Mar-11		0		A023	Mar-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-009-EL-9111-000##	Common: LIGHTING PLAN HELIOSTAT BUILDING	Bechtel		Jan-11		0		E043	Jan-11		0	0	0	0	0	0	0	1
VIS-4	NA	Approval	Electrical	Drawing	25542-009-EL-9111-000##	Common: LIGHTING RACEWAY PLAN HELIOSTAT BUILDING (PARKING LOT, TRANSFORMER)	Bechtel		Jan-11		0		E043	Jan-11		0	0	0	0	0	0	0	1
VIS-4	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-00004	Unit: LIGHTING PLAN SRSG ELECTRICAL EQUIPMENT MODULE	Vendor		May-11		0	CBO ADDIT REQUEST	E440	May-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-00002	Unit: LIGHTING PLAN STEAM TURBINE ELECTRICAL EQUIPMENT MODULE	Vendor		May-11		0	CBO ADDIT REQUEST	E441	May-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-00001	Unit: LIGHTING PLAN WATER TREATMENT ELECTRICAL EQUIPMENT MODULE	Vendor		May-11		0	CBO ADDIT REQUEST	E441	May-11		0	0	0	0	0	0	0	0
VIS-4	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-00003	Unit: LIGHTING PLAN ACC ELECTRICAL EQUIPMENT MODULE	Vendor		May-11		0	CBO ADDIT REQUEST	E441	May-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1010-000##	UNIT 1: HEAT TRACE PLAN SRSG TOWER PLAN EL. 100'-0"	Bechtel		Nov-11		0	CBO ADDIT REQUEST	E121	Nov-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-1010-000##	UNIT 2/3: UNIT: HEAT TRACE PLAN SRSG TOWER PLAN EL. 100'-0"	Bechtel		Mar-12		0	CBO ADDIT REQUEST	E221	Mar-12		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1020-000##	UNIT: UNIT: HEAT TRACE PLAN SRSG TOWER PLAN EL. 120'-0"	Bechtel		Nov-11		0	CBO ADDIT REQUEST	E121	Nov-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-1020-000##	UNIT 2/3: UNIT: HEAT TRACE PLAN SRSG TOWER PLAN EL. 120'-0"	Bechtel		Mar-12		0	CBO ADDIT REQUEST	E221	Mar-12		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1030-000##	UNIT: UNIT: HEAT TRACE PLAN SRSG TOWER PLAN EL. 140'-0"	Bechtel		Nov-11		0	CBO ADDIT REQUEST	E121	Nov-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-1030-000##	UNIT 2/3: UNIT: HEAT TRACE PLAN SRSG TOWER PLAN EL. 140'-0"	Bechtel		Mar-12		0	CBO ADDIT REQUEST	E221	Mar-12		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1040-000##	UNIT: UNIT: HEAT TRACE PLAN SRSG TOWER PLAN EL. 180'-0"	Bechtel		Nov-11		0	CBO ADDIT REQUEST	E121	Nov-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1050-000##	UNIT: UNIT: HEAT TRACE PLAN SRSG TOWER PLAN EL. 376'-0" AND EL. 415'-0"	Bechtel		Mar-12		0	CBO ADDIT REQUEST	E221	Mar-12		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1090-000##	UNIT: MISCELLANEOUS HEAT TRACING BOILER STRUCTURE AREA	Bechtel		Mar-12		0	CBO ADDIT REQUEST	E424	Mar-12		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1110-000##	UNIT: HEAT TRACING PLAN SRSG STRUCTURE ELEVATION - 1	Vendor		Mar-12		0	CBO ADDIT REQUEST	E424	Mar-12		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1120-000##	UNIT: HEAT TRACING PLAN SRSG STRUCTURE ELEVATION - 2	Vendor		Mar-12		0	CBO ADDIT REQUEST	E424	Mar-12		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1130-000##	UNIT: HEAT TRACING PLAN SRSG STRUCTURE ELEVATION - 3	Vendor		Mar-12		0	CBO ADDIT REQUEST	E424	Mar-12		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1140-000##	UNIT: HEAT TRACING PLAN SRSG STRUCTURE ELEVATION - 4	Vendor		Mar-12		0	CBO ADDIT REQUEST	E424	Mar-12		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1150-000##	UNIT: HEAT TRACING PLAN SRSG STRUCTURE ELEVATION - 5	Vendor		Mar-12		0	CBO ADDIT REQUEST	E424	Mar-12		0	0	0	0	0	0	0	0
ELEC-1		Approval	Electrical	Drawing	25542-000-EH-1910-000##	UNIT: HEAT TRACING PLAN AUXILIARY BOILER AREA AT GRADE	Bechtel		Apr-12		0	CBO ADDIT REQUEST	E427	Apr-12		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1990-000##	UNIT: HEAT TRACING PLAN AUXILIARY BOILER AREA ELEVATION & SECTIONS	Bechtel		Apr-12		0	CBO ADDIT REQUEST	E427	Apr-12		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-2110-000##	UNIT 1: HEAT TRACING PLAN TURBINE AREA PLAN EL 100'-0" AND EL. 111'-8"	Bechtel		Sep-11		0	CBO ADDIT REQUEST	E124	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EH-2120-000##	UNIT 1: HEAT TRACING PLAN TURBINE AREA PLAN EL 126'-0"	Bechtel		Sep-11		0	CBO ADDIT REQUEST	E124	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EH-2130-000##	UNIT 1: HEAT TRACING PLAN TURBINE AREA PLAN 138'-3"	Bechtel		Sep-11		0	CBO ADDIT REQUEST	E124	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EH-2190-000##	UNIT 1: HEAT TRACING SECTIONS AND DETAILS	Bechtel		Sep-11		0	CBO ADDIT REQUEST	E124	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-2110-000##	UNIT 2/3: HEAT TRACING PLAN TURBINE AREA PLAN EL 100'-0" AND EL. 113'-8"	Bechtel		Nov-11		0	CBO ADDIT REQUEST	E224	Nov-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-2120-000##	UNIT 2/3: HEAT TRACING PLAN TURBINE AREA PLAN EL 126'-0"	Bechtel		Nov-11		0	CBO ADDIT REQUEST	E224	Nov-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-2130-000##	UNIT 2/3: HEAT TRACING PLAN TURBINE AREA PLAN 138'-3"	Bechtel		Nov-11		0	CBO ADDIT REQUEST	E224	Nov-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-2190-000##	UNIT 2/3: HEAT TRACING SECTIONS AND DETAILS	Bechtel		Nov-11		0	CBO ADDIT REQUEST	E224	Nov-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-7110-000##	UNIT: HEAT TRACING PLAN WATER TREATMENT AT GRADE	Bechtel		Apr-12		0	CBO ADDIT REQUEST	E430	Apr-12		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-7190-000##	UNIT: HEAT TRACING PLAN WATER TREATMENT ELEVATIONS & SECTIONS	Bechtel		Apr-12		0	CBO ADDIT REQUEST	E430	Apr-12		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-7210-000##	UNIT: HEAT TRACING PLAN ACC AREA AT GRADE	Bechtel		Apr-12		0	CBO ADDIT REQUEST	E433	Apr-12		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-7220-000##	UNIT: HEAT TRACING PLAN ACC UPPER ELEVATIONS	Bechtel		Apr-12		0	CBO ADDIT REQUEST	E433	Apr-12		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-7290-000##	UNIT: HEAT TRACING PLAN ACC ELEVATIONS & SECTIONS	Bechtel		Apr-12		0	CBO ADDIT REQUEST	E433	Apr-12		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EH-7610-000##	Common: HEAT TRACE PLAN COMMON AREA WATER STORAGE FACILITIES	Bechtel		Oct-11		0	CBO ADDIT REQUEST	E051	Oct-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-EH00-00001	Unit: Water Treatment Area Tracer Schedule	Bechtel		Sep-11		0	CBO ADDIT REQUEST	E431	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-EH00-00001	Unit 2/3: STG Area Tracer Schedule	Bechtel		Oct-11		0	CBO ADDIT REQUEST	E223	Oct-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-EH00-00002	Unit: STG Area Tracer Schedule	Bechtel		Sep-11		0	CBO ADDIT REQUEST	E123	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-EH00-00003	Unit 2/3: Tower Area Tracer Schedule	Bechtel		Feb-12		0	CBO ADDIT REQUEST	E220	Feb-12		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-EH00-00003	Unit: Tower Area Tracer Schedule	Bechtel		Oct-11		0	CBO ADDIT REQUEST	E120	Oct-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-EH00-00004	Unit: SRSG Area Tracer Schedule	Bechtel		Oct-11		0	CBO ADDIT REQUEST	E120	Oct-11		0	0	0	0	0	0	0	0

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-EH00-00005	Unit: ACC Area Tracer Schedule	Bechtel		Sep-11		0	CBO ADDIT REQUEST	E434	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-EH00-00006	Unit: Aux Boiler Area Tracer Schedule	Bechtel		Oct-11		0	CBO ADDIT REQUEST	E426	Oct-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EH-EH01-00001	Common Area Tracer Schedule	Bechtel		Jun-11		0	CBO ADDIT REQUEST	E050	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E3-1910-00001	Area Classification Plan Auxiliary Boiler and Fuel Gas Heater Areas	Bechtel		Sep-11		0		E492	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E3-1990-00001	Area Classification Sections and Details Auxiliary Boiler and Fuel Gas Heater Areas	Bechtel		Sep-11		0		E492	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - Water Treatment Area	Bechtel		Jun-11		0	CBO ADDIT REQUEST	E411	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - STG Area	Bechtel		May-11		0	CBO ADDIT REQUEST	E408	May-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EC-EL00-000##	Unit: 2/3 208-120V AC Lighting Panel Schedule - STG Area	Bechtel		May-11		0		E408	May-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EC-EL00-000##	Common: 208-120V AC Lighting Panel Schedule - Heliostat Building Area	Bechtel		Jan-11		0		E043	Jan-11		0	0	0	0	0	0	0	1
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - PSB Building Area	Bechtel		Jan-11		0	CBO ADDIT REQUEST	E409	Jan-11		0	0	0	0	0	0	0	1
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - Tower Area	Bechtel		Jun-11		0	CBO ADDIT REQUEST	E401	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - SRSG Area	Bechtel		Jun-11		0	CBO ADDIT REQUEST	E401	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - ACC Area	Bechtel		Mar-11		0	CBO ADDIT REQUEST	E412	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - Aux Boiler Area	Bechtel		May-11		0	CBO ADDIT REQUEST	E407	May-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - Road Lighting	Bechtel		Jun-11		-78	CBO ADDIT REQUEST	E400	Apr-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EH00-000##	Unit: Water Treatment Area Heat Trace Panel Schedule	Bechtel		Sep-11		0	CBO ADDIT REQUEST	E431	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EC-EH00-000##	Unit 1: STG Area Heat Trace Panel Schedule	Bechtel		Sep-11		0	CBO ADDIT REQUEST	E125	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EC-EH00-000##	Unit 2/3: STG Area Heat Trace Panel Schedule	Bechtel		Nov-11		0	CBO ADDIT REQUEST	E225	Nov-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EC-EH00-000##	Unit: Tower Area Heat Trace Panel Schedule	Bechtel		Oct-11		0	CBO ADDIT REQUEST	E122	Oct-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EC-EH00-000##	Unit 2/3: Tower Area Heat Trace Panel Schedule	Bechtel		Mar-12		0	CBO ADDIT REQUEST	E222	Mar-12		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EH00-000##	Unit: SRSG Area Heat Trace Panel Schedule	Bechtel		Oct-11		0	CBO ADDIT REQUEST	E122	Oct-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EH00-000##	Unit: ACC Area Heat Trace Panel Schedule	Bechtel		Sep-11		0	CBO ADDIT REQUEST	E434	Sep-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EH00-000##	Unit: Aux Boiler Area Heat Trace Panel Schedule	Bechtel		Oct-11		0	CBO ADDIT REQUEST	E428	Oct-11		0	0	0	0	0	0	0	0
ELEC-1		Approval	Electrical	Drawing	25542-001-EC-EH00-00008	208/120V AC HEAT TRACE PANEL BOARD SCHEDULE UNIT 1 WT AREA 1-EH-EP-711	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-EC-EH00-00010	208/120V AC HEAT TRACE PANEL BOARD SCHEDULE ACC AREA 1-EH-EP-721	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-EL00-00001	208/120V AC LIGHTING PANELBOARD SCHEDULE SRSG STRUCTURE 1-EL-EP-101	Bechtel			N													
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-EL00-00002	208/120V AC LIGHTING PANELBOARD SCHEDULE SRSG STRUCTURE 1-EL-EP-102	Bechtel			N													
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-EL00-00003	208/120V ACLIGHTING PANELBOARD SCHEDULE SRSG STRUCTURE 1-EL-EP-103	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-EL00-00004	208/120V ACLIGHTING PANELBOARD SCHEDULE SRSG STRUCTURE 1-EL-EP-104	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-EL00-00005	208/120V AC LIGHTING PANELBOARD SCHEDULE AUXILIARY BOILER AREA 1-EL-EP-191	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-00021	480-208 120VAC LIGHTING PANELBOARD SCHEDULE	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-EL00-00031	208-120 VAC LIGHTING PANELBOARD SCHEDULE	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-009-EC-EA-00012	COMMON AREA - MDB7 480VAC DISTRIBUTION BOARD SCHEDULE	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-009-EC-EL00-00001	208/120V AC LIGHTING PANELBOARD SCHEDULE COMMON AREA LP-7A	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EZ-3510-00001	115KV SWITCHYARD GA	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EZ-3590-00001	115KV SWITCHYARD SECTIONS AND DETAILS	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-000-EZ-3590-00002	115KV SWITCHYARD ELECTRICAL HARDWARE DETAILS	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-EH-7110-00001	UNIT 1 ELECTRICAL HEAT TRACING PLAN WATER TREATMENT AREA	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-EH-7210-00001	ELECTRICAL HEAT TRACING PLAN UNIT 1 ACC AREA EL 2879-0 AND ABOVE	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-EH-EH00-00008	HEAT TRACER SCHEDULE UNIT 1 WT AREA	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-001-EH-EH00-00010	HEAT TRACER SCHEDULE ACC AREA UNIT 1	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-009-EH-0010-00001	ELECTRICAL HEAT TRACING PLAN COMMON AREA WELL AND WATER STORAGE AREA	Bechtel			Y													
ELEC-1		Approval	Electrical	Drawing	25542-009-EH-EH00-00001	208/120V AC HEATTRACE PANEL BOARD SCHEDULE COMMON AREA WELL AND WATER STORAGE AREA	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EZ-3690-00001	33KV TRANSMISSION LINE 33KV AUTO RECLOSER POLE NO 3	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EZ-3690-00002	33KV TRANSMISSION LINE 33KV AUTO RECLOSER POLES NO 1,2,4 & 5	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EZ-3690-00003	33KV HARDWARE DETAILS	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EZ-3690-00004	33KV HARDWARE DETAILS	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EC-EH00-000##	Common: Water Storage Area Heat Trace Panel Schedule	Bechtel		Jan-12		0	CBO ADDIT REQUEST	E052	Jan-12		0	0	0	0	0	0	0	0
ELEC-1		Approval	Electrical	Drawing	25542-009-EC-EH00-00001	208/120V AC HEAT TRACE PANELBOARD SCHEDULE COMMON AREA WELL AND WATER STORAGE AREA 9-EH-EP-001	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-E3C-ES-000##	Unit: Load Flow / Short Circuit and Motor Starting and voltage drop Calculation,	Bechtel		26-Oct-10 A	N	#VALUE!		E415	26-Oct-10 A		0	0	0	0	0	0	0	0

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
ELEC-1	NA	Approval	Electrical	Calculation	25542-009-E3C-ES-000##	33kV System Load Flow / Short Circuit and Motor Starting and voltage drop Calculation,	Bechtel		01-Nov-10 A	N	#VALUE!		E018	01-Nov-10 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Calculation	25542-001-EAC-EW-00001	UNIT 1 SOLAR FIELD UNDERGROUND CABLE SIZING CALCULATION - NORMAL AND UPS POWER	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Calculation	25542-001-EGC-EG-00001	Unit 1 Grounding Calculation	Bechtel		01-Feb-11 A	Y	#VALUE!		E115	01-Feb-11 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Calculation	25542-002-EGC-EG-00001	Unit 2 Grounding Calculation	Bechtel		Mar-11	Y	0		E215	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Calculation	25542-003-EGC-EG-00001	Unit 3 Grounding Calculation	Bechtel		May-11	Y	0		E315	May-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Calculation	25542-009-EGC-EG-00001	Common Area Grounding Calculation - ADMINISTRATION BUILDING AND WATER STORAGE AREA GROUND GRID CALCULATION	Bechtel		19-Jan-11 A	Y	#VALUE!		E017	19-Jan-11 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Calculation	25542-009-EGC-EG-00002	HELIOSTAT ASSEMBLY BUILDING AREA GROUND GRID CALCULATION	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-EGC-EG-00002	Unit and Common: Lightning Protection Calculation	Bechtel		Jun-11		-72	CBO ADDIT REQUEST	E074	Apr-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-E0C-EQ-00001	Unit 1: Cathodic Protection Calculation	Bechtel		Mar-11		0	CBO ADDIT REQUEST	E010	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-E0C-EQ-00001	Unit 2: Cathodic Protection Calculation	Bechtel		Aug-11		0	CBO ADDIT REQUEST	E011	Aug-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-E0C-EQ-00001	Unit 3: Cathodic Protection Calculation	Bechtel		Jan-12		0	CBO ADDIT REQUEST	E012	Jan-12		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-E0C-EQ-00001	Natural Gas Pipeline Cathodic Protection Calculation	Bechtel		27-Aug-10 A	Y	#VALUE!	CBO ADDIT REQUEST	E013	27-Aug-10 A		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Calculation	25542-000-E0C-EW-00002	Unit: Ductbank Ampacity & Underground cable sizing calculation	Bechtel		Mar-11		0		E491	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Calculation	25542-009-E0C-EW-00001	Common: Ductbank Ampacity & Underground cable sizing calculation	Bechtel		Mar-11		0		E065	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Calculation	25542-000-E0C-EW-00001	A/G Cable Sizing Calculation	Bechtel		20-Oct-10 A	Y	#VALUE!		E020	20-Oct-10 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Calculation	25542-001-E0C-EW-00001	Unit 1/2/3 : CPDU Heliostat field incomer cable sizing and voltage drop calculation	Bechtel		Mar-11	Y	0		E493	Mar-11		0	0	0	0	0	0	0	0
ELEC-1		Approval	Electrical	Calculation	25542-000-E0C-EW-00002	POWER BLOCK AND COMMON AREA UNDERGROUND CABLE SIZING CALCULATION	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-EQC-EQ-00001	CATHODIC PROTECTION CALCULATION FOR BURIED CARBON STEEL PIPES FOR UNIT 1, 2, AND 3 POWER BLOCK AREA	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-ELJ-0000-00001	NOTES, SYMBOLS AND DETAILS FOR INSTALLATION OF LIGHTING SYSTEM	Bechtel			Y													
ELEC-1		Approval	Electrical	Calculation	25542-000-ELC-EL-00003	LIGHTING CALCULATION FOR STATION SERVICE TRANSFORMER AREA PLAN AT EL 2878-0	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-00004	ACC AREA LIGHTING CALCULATION GRADE AND UPPER DECK	Bechtel			Y													
ELEC-1		Approval	Electrical	Calculation	25542-000-ELC-EL-00005	WATER TREATMENT AREA LIGHTING CALCULATION	Bechtel			Y													
ELEC-1		Approval	Electrical	Calculation	25542-000-ELC-EL-00007	LIGHTING CALC FOR SRSG AREA GRADE AND STRUCTURE	Bechtel			N													
ELEC-1		Approval	Electrical	Calculation	25542-000-ELC-EL-00008	LIGHTING CALCULATION FOR SRSG TOWER	Bechtel			Y													
ELEC-1		Approval	Electrical	Calculation	25542-000-ELC-EL-00009	LIGHTING CALCULATION FOR DRAIN TANK AREA AT GRADE AND AT DRAIN PIT	Bechtel			Y													
ELEC-1		Approval	Electrical	Calculation	25542-000-ELC-EL-00011	LIGHTING CALCULATIONS AUXILIARY BOILER AREA	Bechtel			Y													
ELEC-1		Approval	Electrical	Calculation	25542-000-ELC-EL-00012	UNIT 0 CABLE PIT LIGHTING CALCULATION	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation Construction Lighting Common Area	Bechtel		31-Aug-10 A	Y	#VALUE!		E040	31-Aug-10 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation Construction Lighting Power Block	Bechtel		31-Aug-10 A	Y	#VALUE!		E404	31-Aug-10 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation ACC Area	Bechtel		Mar-11		0		E412	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation XFMR Area	Bechtel		Jun-11		0		E410	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation Water Treatment Area	Bechtel		Jun-11		0		E411	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation STG Area	Bechtel		May-11		0		E408	May-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation PSB Building Area	Bechtel		Jan-11		0		E409	Jan-11		0	0	0	0	0	0	0	1
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation Tower Area	Bechtel		Jun-11		0		E401	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation SRSG Area	Bechtel		Jun-11		0		E402	Jun-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation Aux Boiler Area	Bechtel		May-11		0		E407	May-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation Unit Roadway Lighting	Bechtel		Jun-11		-78		E400	Apr-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Lighting Calculation Common Area Roadway Lighting Plan	Bechtel		08-Sep-10 A	Y	#VALUE!		E042	08-Sep-10 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Lighting Calculation Heliostat Building Area	Vendor		Jan-11	Y	0		E043	Jan-11		0	0	0	0	0	0	0	1
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit and Common: Lighting Energy Calculations (for CBO)	Bechtel		May-11		0		E041	May-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-00006	SWITCHYARD AND PSB AREA LIGHTING CALCULATION	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Calculation	25542-001-ELC-EL-00001	POWER BLOCK AREA CONSTRUCTION ROADWAY LIGHTING CALCULATION	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Calculation	25542-009-ELC-EL-00001	ADMIN BUILDING AREA CONSTRUCTION ROADWAY LIGHTING CALCULATION	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Calculation	25542-009-ELC-EL-00002	HELIOSTAT BUILDING AND CONSTRUCTION TRAILER AREA ROADWAY LIGHTING CALCULATION	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-EMC-EM00-000##	Unit: MV Switchgear and LV MCC incomer protective relay setting and arc flash calculation	Bechtel		05-Oct-09 A		0		E497	05-Oct-09 A		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Calculation	25542-009-EMC-EM00-000##	Common: Common Area LV Switchgear incomer protective relay setting and arc flash calculation	Bechtel		Nov-11		0		E495	Nov-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-EMC-EM00-000##	Unit: GSU, UAT, SST protective relay setting calculation	Bechtel		Nov-11		0		E494	Nov-11		0	0	0	0	25542-000-GMX-GEG-00002	0	0	0

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
ELEC-1		Approval	Electrical	Calculation	25542-000-EMC-EM00-00001	4.16KV SWITCHGEAR NON-MOTOR FEEDER PROTECTIVE RELAY SETTINGS AND 4.16KV SWITCHGEAR ARC FLASH CALCULATION	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-EMC-EM00-00002	33kV Switchgear and automatic recloser protective relay setting calculation	Bechtel		03-Jan-11 A	Y	#VALUE!		E496	03-Jan-11 A		0	0	0	0	0	0	0	0
ELEC-1		Approval	Electrical	Calculation	25542-000-EMC-EM00-00003	POWER BLOCK 480V MCC INCOMER PROTECTIVE RELAY SETTING AND ARC FLASH CALCULATION	Bechtel			Y													
ELEC-1		Approval	Electrical	Calculation	25542-000-EMC-ES00-00001	STATION SERVICE TRANSFORMER RELAY SETTINGS CALCULATION	Bechtel			Y													
ELEC-1		Approval	Electrical	Calculation	25542-000-EMC-EY-00001	GSU, UAT AND UNIT DIFFERENTIAL PROTECTION RELAY SETTINGS CALCULATION	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Specification	25542-000-3PS-EBB3-00001	TECHNICAL SPEC FOR ISOLATED PHASE BUS AND ACCESSORIES	Bechtel			Y													
ELEC-1		Approval	Electrical	Specification	25542-000-3PS-ECM1-00001	TECHNICAL SPEC FOR 480V MCC	Bechtel			Y													
ELEC-1		Approval	Electrical	Specification	25542-000-3PS-EH00-00001	TECHNICAL SPEC FOR ELECTRICAL HEAT TRACING	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Specification	25542-000-3PS-EKL3-00001	ELECTRICAL EQUIPMENT MODULES	Bechtel			Y													
ELEC-1		Approval	Electrical	Specification	25542-000-3PS-EMP8-00001	TECHNICAL SPEC FOR PROTECTION RELAY PANELS	Bechtel			Y													
ELEC-1		Approval	Electrical	Specification	25542-000-3PS-ESM1-00001	TECHNICAL SPEC FOR 4.16KV MEDIUM VOLTAGE METAL-CLAD SWITCHGEAR AND METAL ENCLOSED MOTOR CONTROLLERS	Bechtel			Y													
ELEC-1	NA	Approval	Electrical	Specification	25542-000-3PS-ESM1-00002	33KV PAD MOUNTED SWITCHGEAR	Bechtel			Y													
ELEC-1		Approval	Electrical	Specification	25542-000-3PS-ETP1-00002	TECHNICAL SPEC FOR STATION SERVICE TRANSFORMERS	Bechtel			Y													
ELEC-1		Approval	Electrical	Specification	25542-000-3PS-ETP2-00002	TECHNICAL SPEC FOR 4.16KV/480V OUTDOOR OIL FILLED DISTRIBUTION TRANSFORMER FOR MCC	Bechtel			Y													
ELEC-1		Approval	Electrical	Specification	25542-000-3PS-EU00-00001	TECHNICAL SPEC FOR DC EQUIPMENT AND AC UNINTERRUPTABLE POWER SUPPLY SYSTEMS	Bechtel			Y													
ELEC-1		Approval	Electrical	Specification	25542-000-3PS-EWE1-00001	TECHNICAL SPEC FOR LOW VOLTAGE POWER AND CONTROL CABLE, INSTRUMENTATION CABLE, THERMOCOUPLE EXTENSION WIRE, SPECIALTY CABLE AND FIBER OPTIC CABLE	Bechtel			Y													
ELEC-1		Approval	Electrical	Specification	25542-000-3PS-EWG1-00002	TECHNICAL SPEC FOR 5KV MEDIUM VOLTAGE POWER CABLE	Bechtel			Y													
ELEC-1	G	Approval	Electrical	Specification	25542-000-3PS-SY10-00001	DESIGN, FABRICATION AND SUPPLY OF TUNED MASS DAMPER	Bechtel			Y													
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00016	PAD BOND DUILDING AND HELIOSTAT ASSEMBLY BUILDING - PANEL SCHEDULES	Vendor			Y													
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00017	PAD BOND BUILDING AND HELIOSTAT ASSEMBLY BUILDING - PANEL SCHEDULES	Vendor			Y													
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00037	LEGEND	Vendor			Y													
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00038	ELECTRICAL PLANS PAD BONDING BUILDINGS	Vendor			Y													
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00039	ELECTRICAL PLANS HELIOSTAT ASSEMBLY BUILDING - AREA A	Vendor			Y													
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00040	ELECTRICAL PLANS HELIOSTAT ASSEMBLY BUILDING - AREA B	Vendor			Y													
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00081	CABLING - WIRE DATA SHEETS	Vendor			Y													
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00082	CABLING - WIRE DATA SHEETS	Vendor			Y													
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00083	CABLING - WIRE DATA SHEETS	Vendor			Y													
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00084	ELECTRIC PANEL BOARDS DATA SHEETS	Vendor			Y													
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00085	COOPER LIGHTING	Vendor			Y													
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00086	COOPER LIGHTING	Vendor			Y													
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00087	COOPER LIGHTING	Vendor			Y													
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00095	LIGHTING CALCULATIONS - PAD BUILDINGS 1 AND 2	Vendor			Y													
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00096	LIGHTING CALCULATIONS - HELIOSTAT ASSEMBLY BUILDING - AREA A	Vendor			Y													
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00097	LIGHTING CALCULATIONS - HELIOSTAT ASSEMBLY BUILDING - AREA B	Vendor			Y													
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00098	ONE-LINE DIAGRAM AND DETAILS	Vendor			Y													
ELEC-1	NA	REFERENCE	Electrical		25542-000-V1B-AK00-00171	ELECTRICAL DETAILS	Vendor			Y													
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00172	ELECTRICAL DETAILS	Vendor			Y													
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00173	ELECTRICAL RACEWAY SUPPORT DETAILS	Vendor			Y													
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00216	LIGHTING PROTECTION PLAN - PAD BOND BUILDINGS 1 AND 2	Vendor			Y													
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00217	LIGHTING PROTECTION PLAN - HELIOSTAT BUILDING - AREA A	Vendor			Y													
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00218	LIGHTING PROTECTION PLAN - HELIOSTAT BUILDING - AREA B	Vendor			Y													
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00219	LIGHTING PROTECTION DETAILS FOR THE PAD BONDING BUILDINGS AND HELIOSTAT ASSEMBLY BUILDING	Vendor			Y													
ELEC-1	NA	Approval	Electrical	Document	25542-000-V1A-EKL1-000##	CERTIFICATE OF COMPLIANCE - 480V UNIT SUBSTATIONS (BLACK BOX)	Bechtel/Vendor		May-11		0		E440	May-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Document	25542-000-V1A-ESL1-000##	CERTIFICATE OF COMPLIANCE - 4.16KV SWITCHGEAR (BLACK BOX)	Bechtel/Vendor		Jul-11		0		E481	Jul-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Document	25542-000-V1A-ETP0-000##	CERTIFICATE OF COMPLIANCE - GENERATOR STEPUP TRANSFORMERS (BLACK BOX)	Bechtel/Vendor		Nov-11		0		E494	Nov-11		0	0	0	0	0	0	0	0
ELEC-1	G	Approval	Electrical	Document	25542-000-V1A-ETP1-000##	CERTIFICATE OF COMPLIANCE - UNIT AUXILIARY (BLACK BOX)	Bechtel/Vendor		Nov-11		0		E494	Nov-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Document	25542-000-V1A-ECM1-000##	CERTIFICATE OF COMPLIANCE - 480V MCC'S (BLACK BOX)	Bechtel/Vendor		Jun-11		-81		E454	Apr-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Document	25542-000-V1A-EDB0-000##	CERTIFICATE OF COMPLIANCE - 120/125V DC/UPS EQUIPMENT (BLACK BOX)	Bechtel/Vendor		Nov-11		0		E445	Nov-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-000##	CPDU SINGLE LINE DIAGRAM	Owner		Mar-11		0		E493	Mar-11		0	0	0	0	0	0	0	0

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved	Schedule Slips	Additional documents requested by CBO (beyond COCs)	P6 Link			Jun-10	Jul-10	Aug-10	Sep-10	Oct-10	Nov-10	Dec-10	Jan-11
ELEC-1	NA	Approval	Electrical	Caclulation	25542-000-V1A-MXHS-000##	HELIOSTAT FIELD CABLE VOLTAGE DROP CALCULATION	Owner		Mar-11		0		E493	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-000##	HELIOSTAT CABLE ASSEMBLY (including code analysis)	Owner		Mar-11		0		E493	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-000##	HELIOSTAT CABLE INSTALLATION DETAILS	Owner		Mar-11		0		E493	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-000##	HELIOSTAT CPDU GROUNDING	Owner		Mar-11		0		E493	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-000##	CAMERA PANEL SINGLE LINE	Owner		Mar-11		0		E493	Mar-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-00##	WEATHER STATION SINGLE LINE	Owner		Mar-11		0		E493	Mar-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-MXHS-000##	HELIOSTAT STRUCTURAL / PHYSICAL ASSEMBLY DESIGN DRAWINGS	Owner	May be submitted with pylon design	May-11		#VALUE!		A031	01-Feb-11 A		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Caclulation	25542-000-V1A-MXHS-000##	HELIOSTAT STRUCTURAL / PHYSICAL ASSEMBLY DESIGN CALCULATIONS	Owner	May be submitted with pylon design	May-11		#VALUE!		A031	01-Feb-11 A		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-MXHS-000##	PYLON STRUCURAL DRAWINGS AND INSTALLATION SPECIFICATIONS	Owner	Separate submittal to the BLM and CPM is required per condition S&W-	May-11		0			May-11		0	0	0	0	0	0	0	0
STRUC-1	NA	Approval	Civil	Caclulation	25542-000-V1A-MXHS-000##	PYLON STRUCTURAL/GEOTECHNICAL CALCULATIONS	Owner	Separate submittal to the BLM and CPM is required per condition S&W-	May-11		0			May-11		0	0	0	0	0	0	0	0
ELEC-1	NA	Approval	Electrical	Drawing		HELIOSTAT FIELD TRANFORMER PAD GROUNDING	Bechtel		Oct-10		0			Oct-10		6/30/2010	7/31/2010	8/31/2010	9/30/2010	10/31/2010	11/30/2010	12/31/2010	1/31/2011
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-AK00S-000##	HELIOSTAT ASSEMBLY BUILDING SUPPORT FACILITIES (office & restroom trailers, etc.)	Bechtel		Nov-10	N	0			Nov-10									
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-AK00S-000##	HELIOSTAT ASSEMBLY BUILDING STRUCTURAL HOIST/CRANE SUPPORTS	Owner		Nov-10		0			Nov-10		0	0	3	0	0	10	5	9
MECH-2	NA	Approval	Mechanical	Document	25542-000-V1A-AK00S-000##	HELIOSTAT ASSEMBLY BUILDING AIR COMPRESSOR CERTIFICATIONS	Owner		Nov-10		0			Nov-10									

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
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Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11

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Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11

Ivanpah Solar Electric Generating Facility

Master Document List

Conditions of Certification GEN-2 and TSE-1

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11

Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
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Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
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Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
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Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
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Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11

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Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
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Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11

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Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
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Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
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Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
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Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
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Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
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Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
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Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
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Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
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0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	1	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	0	0	0	1	0
0	0	0	0	0	0	0	0	0	1	0
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0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
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0	0	0	0	1	0	0	0	0	0	0
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0	0	0	0	1	0	0	0	0	0	0
0	0	1	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	1	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0
0	0	1	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
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0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
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0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	1	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	0
0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
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0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	1	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	1	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	1

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
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0	1	0	0	0	0	0	0	0	0	0
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0	1	0	0	0	0	0	0	0	0	0
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0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	1	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0	0	1
0	0	0	0	0	0	0	0	0	0	1
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	0	0	0	0	1	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	0	0	1	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
1	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	1	0	0	0
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0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	1	0
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0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	1	0	0
0	0	0	0	0	0	0	0	1	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	0	1	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	0	0	0	1	0	0	0
0	0	0	0	1	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0
0	1	0	0	0	0	0	0	0	0	0
0	0	0	1	0	0	0	0	0	0	0
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0	0	0	0	0	0	0	0	0	1	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
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0	0	0	1	0	0	0	0	0	0	0
0	0	0	0	0	1	0	0	0	0	0
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0	0	0	0	1	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	1	0
0	1	0	0	0	0	0	0	0	0	0

Feb-11	Mar-11	Apr-11	May-11	Jun-11	Jul-11	Aug-11	Sep-11	Oct-11	Nov-11	Dec-11
0	1	0	0	0	0	0	0	0	0	0
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0	0	0	1	0	0	0	0	0	0	0
2/28/2011	3/31/2011	4/30/2011	5/31/2011	6/30/2011	7/31/2011	8/31/2011	9/30/2011	10/31/2011	11/30/2011	12/31/2011
13	148	6	113	220	33	23	29	13	19	10

Exhibit 11

CBO Payment Documentation
Conditions of Certification
GEN-3

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Condition of Certification GEN-3 Summary

Bureau Veritas had two invoices processed and paid by NRG Construction LLC during the Reporting Period.

Inv 1146899	**$ 31,495.36**	**$ 10,078.52**	**$ 10,708.42**	**$ 10,708.42**
Inv 1147094	**$ 237,521.00**	**$ 76,006.72**	**$ 80,757.14**	**$ 80,757.14**
TOTALS	**$269,016.36**	**$ 86,085.24**	**$ 91,465.56**	**$91,465.56**

Exhibit 12

Key Events List
Conditions of Certification
COMP-6

KEY EVENTS LIST

Last Updated June 1, 2012

PROJECT/POWER PLANT: Ivanpah SEGS DOCKET #: 07-AFC-5C

BLM'S AUTHORIZED OFFICER:

TOM HURSHMAN

COMPLIANCE PROJECT MANAGER: JOSEPH DOUGLAS

EVENT DESCRIPTION	DATE
Certification Date	09/22/2010
Obtain Site Control: ROW Grants Obtained	10/07/2010
Online Date	07/01/2013
POWER PLANT SITE ACTIVITIES	
Start Site Mobilization	10/08/2010
Start Ground Disturbance	10/08/2010
Start Grading	11/11/2010
Start Construction (Heliostat Bldg)	03/02/2011
Begin Pouring Major Foundation Concrete (SRSG Foundation)	04/27/2011
Begin Installation of Major Equipment (SRSG Load Module 1)	11/22/2011
Completion of Installation of Major Equipment (Turnover SRSG)	08/13/2012
First Roll of Steam Turbine	11/19/2012
Obtain Building Occupation Permit (Admin bldg)	03/31/2012
Start Commercial Operation	07/01/2013
Complete All Construction	04/30/2013
GENERATION TIE LINE ACTIVITIES	
Start Generation Tie Line Construction	Under construction
Synchronization with Grid and Interconnection	TBD
Complete Generation Tie Line Construction	TBD
FUEL SUPPLY LINE ACTIVITIES	
Start Gas Pipeline Construction and Interconnection	Under Construction
Complete Gas Pipeline Construction	TBD
WATER SUPPLY LINE ACTIVITIES	
Start Water Supply Line Construction (Water Wells)	11/22/10
Complete Water Supply Line Construction (Tie-in UG Water Distribution)	03/12/12

Exhibit 13

Agency Approvals
Conditions of Certification
COMP-6

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Needles Field Office
1303 South U.S. Highway 95
Needles, CA 92363
www.ca.blm.gov/needles

May 7, 2012

In Reply Refer To:
2800(P)
CACA-049502 Amend #3
(CAD090-26)

HAND DELIVERED

DECISION

Doug Davis
Solar Partners I, II, and VIII, LLC
HCR1 Box 280
Nipton, CA 92364

Right-of-Way Grant Amendment #3 CACA-049502 Issued
Rent and Monitoring Fee Determined

the installation of additional tortoise exclusion fencing, two tortoise guards, of which one tortoise guard is located on private property and is subject to environmental review but not authorization, on Yates Well Road from the Primm Valley Golf Club to Interstate 15, and three tortoise guards on Colosseum Road. The existing right-of-way (ROW) of 24 feet will be widened to 55 and 70 feet in width along Silverton and Yates Well Road. The ROW will be 70 feet wide by 2,278 feet in length starting at I-15 and running east/west, 55 feet wide by 1,692 feet in length running north/south, 70 feet wide by 1,682 feet in length running northwest/southeast to the southwest corner of the Primm Valley Golf Club, approximately 1.1 miles in length. The new area will include 5.386 acres of the total 8.500 acres, more or less.

The two tortoise guards will be located at the intersection of Yates Well Road and the ATT fiber optic line ROW where Silverton Road meets Densmore Drive at the southwest corner of the Primm Valley Golf Club property, which is private property. The three guards will be added to the improved section of Colosseum Road. One guard will be to the west of the golf course well on Colosseum Road, the second along Colosseum Road east of the well and the third along Colosseum Road after it turns southeast to meet Yates Well Road. The ROW was approved by the Bureau of Land Management (BLM) on May 7, 2012.

The monitoring fee for this ROW is determined to be a Category 6, which is covered within the terms and conditions of your existing cost recovery agreement project number 51010000.FX0000 LVRWB09B2400. The cost recovery account contains sufficient funds to cover monitoring grant activities until a final construction plan is submitted for the ROW. Rent for the amount of $307.99 has been received.

This decision may be appealed to the Interior Board of Land Appeals, Office of the Secretary, in accordance with the regulations contained in 43 CFR, Part 4 and the enclosed Form 1842-1. If an appeal is taken, your notice of appeal must be filed in this office (at the above address) within 30 days from receipt of this decision. The appellant has the burden of showing that the decision appealed from is in error.

If you wish to file a petition (request) pursuant to regulation 43 CFR 2801.10 or 43 CFR 2881.10 for a stay (suspension) of the effectiveness of this decision during the time that your appeal is being reviewed by the Board, the petition for a stay must accompany your notice of appeal. A petition for a stay is required to show sufficient justification based on the standards listed below. Copies of the notice of appeal and petition for a stay must also be submitted to each party named in this decision and to the Interior Board of Land Appeals and to the appropriate Office of the Solicitor (see 43 CFR 4.413) at the same time the original documents are filed with this office. If you request a stay, you have the burden of proof to demonstrate that a stay should be granted.

Standards for Obtaining a Stay

Except as otherwise provided by law or other pertinent regulation, a petition for a stay of a decision pending appeal shall show sufficient justification based on the following standards:

(1) The relative harm to the parties if the stay is granted or denied,

(2) The likelihood of the appellant's success on the merits,

(3) The likelihood of immediate and irreparable harm if the stay is not granted, and

(4) Whether the public interest favors granting the stay.

If you have any questions, please contact me, at (760) 326-7000.

Raymond C. Lee
Field Manager

Enclosures
1. Right-of-Way Grant Amendment CACA-049502 Amend #3
2. Form 1842-1

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Needles Field Office
1303 South U.S. Highway 95
Needles, CA 92363
www.ca.blm.gov/needles

May 2, 2012

In Reply Refer To:
2800(P)
CACA-049502 Amendment 3
(CAD090-26)

CERTIFIED MAIL NO. 7010 2780 0003 2622 8682
RETURN RECEIPT REQUESTED

Doug Davis
Solar Partners I, II, and VIII, LLC
HCR1 Box 280
Nipton, CA 92364

Dear Mr. Davis:

Enclosed are two copies of unsigned amendment to right-of-way (ROW) grant CACA-049502 that amends your Construction Logistics Area ROW grant for the installation of additional tortoise exclusion fencing, two tortoise guards, of which one tortoise guard is located on private property and is subject to environmental review but not authorization, on Yates Well Road from the Primm Valley Golf Club to Interstate 15, and three tortoise guards on Colosseum Road. The existing right-of-way (ROW) of 24 feet will be widened to 55 and 70 feet in width along Silverton and Yates Well Road. The ROW will be 70 feet wide by 2,278 feet in length starting at I-15 and running east/west, 55 feet wide by 1,692 feet in length running north/south, 70 feet wide by 1,682 feet in length running northwest/southeast to the southwest corner of the Primm Valley Golf Club, approximately 1.1 miles in length. The new area will include 5.386 acres of the total 8.500 acres, more or less, see Figures 1-3.

The two tortoise guards will be located at the intersection of Yates Well Road and the ATT fiber optic line ROW where Silverton Road meets Densmore Drive at the southwest corner of the Primm Valley Golf Club property, which is private property. The three guards will be added to the improved section of Colosseum Road. One guard will be to the west of the golf course well on Colosseum Road, the second along Colosseum Road east of the well and the third along Colosseum Road after it turns southeast to meet Yates Well Road. See Figure 2 for the approximate location of the proposed tortoise guards.

The existing tortoise exclusion fence on the northeast side of Colosseum Road will tie into the south side of Silverton Road to another proposed tortoise guard, which is on private property. The fence will be located along I-15 per the terms of the Biological Opinion dated June 10, 2011.

The desert tortoise exclusion fence will tie into the existing fence on the southwest side of Colosseum Road and extend along the southwestern, western, and southern edges of Yates Well Road to the I-15 south bound on-ramp, see Figure 2. This tortoise exclusion fencing will tie into the fencing along I-15 in association with the ISEGS project.

Please review the document and if it meets with your approval, sign and date both copies, and return to the address shown above. Upon our receipt of the signed documents and the fees discussed below, we will issue the ROW grant, absent any other unresolved issues.

Rent for the additional use of public lands must be paid in advance and prior to issuance of the ROW grant. Rent for this right-of-way is based on a schedule that is adjusted annually based on the Implicit Price Deflator (IPD), an inflation index. Since the rent for your ROW grant is estimated to be greater than $500 per year, you may pay rent annually or at multi-year intervals of your choice. You may also pay for the entire term of the grant. Your annual rent for the shared facilities associated with this project will only consist of the base rent that must be paid upon issuance of the authorization. There is no MW capacity fee associated with this shared facility authorization.

Base Rental: [(project acres) X (CY 2012 base rent fee per acre)]

5.4 X $97.78 = $528.01 annual base rent X (0.5833) = $307.99 for partial year 2012.

Provided you remit payment by May 15, 2012, your partial rent is $307.99 from June 2012 to December 2012.

Or

$ 5,060.08 for the entire 10-year period from June 1, 2012 through December 31, 2021

A construction performance bond for CACA-049502 has been posted and no further bond will be required for this ROW amendment.

The following measures will be implemented to compensate for the loss of 2 acres of Category III desert tortoise habitat. The compensatory mitigation for habitat loss was established in the 2002 Northern and Eastern Mojave Desert (NEMO) plan amendment. The project site is located within an area identified by the NEMO plan amendment as Category III desert tortoise habitat. Category III desert tortoise habitat is defined as "areas where maintenance of existing populations and minimization of unnatural impacts to species, rather than recovery of populations, are the goals." Compensation in Category III habitat is set at a rate of one acre for each acre disturbed. Per paragraph 9 of the Conditions of Approval, the total amount due for tortoise compensation is **$1,357.00.**

Please return **BOTH** signed copies of the grant, rental payment and tortoise compensation as discussed above by May 15, 2012. If these requirements are not met, your amended application may be denied.

If you have any questions contact Jose M. Najar, Realty Specialist at (760)326-7006.

Sincerely,

for Raymond C. Lee
Field Manager

Enclosures:

1. Two Unsigned Right-of-Way Grants, CACA-049502 Amendment 3 with Maps
2. Decision Record with Maps
3. 2806-2885 Rights-of-Way Linear Rent Schedule
4. Form 1842-1

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
NEEDLES FIELD OFFICE

DECISION RECORD

Solar Partners I, LLC; Solar Partners II, LLC; and Solar Partners VIII, LLC,
Ivanpah Solar Electric Generating System Desert Tortoise Interconnect Fence

In accordance with 43 United States Code 1701, 1733, 1740, 1763 and 1764, it is my decision to approve (Solar Partners I, LLC; Solar Partners II, LLC; and Solar Partners VIII, LLC) (Solar Partners) proposal to conduct (Ivanpah Solar Electric Generating System Desert Tortoise Interconnect Fence), as reviewed in Environmental Assessment DOI-BLM-CA-D090-2012-0018-EA (Case File CACA- 049502, Amendment 3) and described below. Conditioned through mitigation measures, I find that this action will not result in significant impacts on the human environment pursuant to Title 40 Code of Federal Regulations 1508.27 (a) and (b) (1) through (10) and that an Environmental Impact Statement is not required. I further find this action in conformance with applicable land use plans and that it will not cause unnecessary or undue degradation. Measures mitigating project impacts are formulated into the attached Conditions of Approval, incorporated by reference as the decision of the Bureau of Land Management regarding this action. A copy of this Decision Record and attendant Conditions of Approval shall be followed by and in the possession of the on site operator during all undertakings approved herein.

Specifically, the approval action consists of the installation of additional tortoise exclusion fencing, two tortoise guards, of which one tortoise guard is located on private property and is subject to environmental review but not authorization, on Yates Well Road from the Primm Valley Golf Club to Interstate 15, and three tortoise guards on Colosseum Road. The existing right-of-way (ROW) of 24 feet will be widened to 55 and 70 feet in width along Silverton and Yates Well Road. The ROW will be 70 feet wide by 2,278 feet in length starting at I-15 and running east/west, 55 feet wide by 1,692 feet in length running north/south, 70 feet wide by 1,682 feet in length running northwest/southeast to the southwest corner of the Primm Valley Golf Club, approximately 1.1 miles in length. The new area will include 5.386 acres of the total 8.500 acres, more or less, see Figures 1-3.

The two tortoise guards will be located at the intersection of Yates Well Road and the ATT fiber optic line ROW and where Silverton Road meets Densmore Drive at the southwest corner of the Primm Valley Golf Club property, which is private property. The three guards will be added to the improved section of Colosseum Road. One guard will be to the west of the golf course well on Colosseum Road, the second along Colosseum Road east of the well and the third along Colosseum Road after it turns southeast to meet Yates Well Road. See Figure 2 for the approximate location of the proposed tortoise guards. The existing tortoise exclusion fence on the northeast side of Colosseum Road will tie into the south side of the Silverton Road to another

proposed tortoise guard, which is on private property. The fence will be located along I-15 per the terms of the Biological Opinion dated June 10, 2011.

Description

As shown in Figure 2, the desert tortoise exclusion fence will tie into the existing fence on the southwest side of Colosseum Road and extend along the southwestern, western, and southern edges of Yates Well Road to the I-15 south bound on-ramp. This tortoise exclusion fencing will tie into the fencing along I-15 in association with the ISEGS project. Ground disturbance resulting from the tortoise exclusion fence is expected to be approximately 1.5 acres, which includes a 12-foot buffer of disturbance.

Three guards will be constructed to allow movement of desert tortoises under Colosseum Road. One guard will be to the west of the golf course well on Colosseum Road, the second along Colosseum Road east of the well and the third along Colosseum Road after it turns southeast to meet Yates Well Road.

A tortoise guard will be installed across the intersection of Yates Well Road and the ATT fiber optic line right of way (ROW) and will enable vehicles to transition from Yates Well Road onto the ATT fiber optic line ROW dirt road while keeping tortoises off of Yates Well Road. The existing tortoise exclusion fence on the northeast side of Colosseum Road will tie into the south side of this tortoise guard. To estimate the construction disturbance, each tortoise guard is surrounded by a 50-foot buffer, resulting in a total of approximately 0.23 acres of ground disturbance.

Most of the proposed work will not require water, but water that will be needed will be supplied by a water truck or a water tank that will be carried in a pickup truck. There will be no appreciable discharge of water from proposed activities; some water may spill or soak into the soil in the work area, but it is unlikely that water will flow out of the work area for any substantial distance.

A solid waste abatement program that is already in effect throughout the ISEGS project site will also be implemented during the proposed work activities. It will include containing all project-generated trash and food items in closed containers and removing them daily to reduce the attractiveness to wildlife.

Biological monitoring will be performed during the proposed activities when working outside cleared and fenced areas. This will minimize impacts to the desert tortoise and other special-status vegetation and wildlife species that may occur within the proposed action work area. It will also minimize the potential to spread invasive non-native plant species. The exact locations of proposed activities will be determined in consultation with a biologist who has checked the locations in the field to ensure they minimize biological impacts. In addition, a qualified biological monitor will be onsite during the proposed construction activities to monitor them for compliance with federal, state, and local agency requirements. If the biological monitor identifies a special-status plant or invasive non-native plant species (invasive weed) in the proposed work area, the biological monitor will notify the Designated Biologist assigned to the ISEGS project, who will determine the appropriate course of action. The biological monitor will have the authority to stop work, if necessary.

After the exclusionary fence is constructed, protocol-level clearance surveys will be conducted in spring 2012. Surveys will be conducted using qualified personnel and following USFWS temperature guidelines. It is proposed that any tortoises found during these clearance surveys be placed within contiguous habitat to the west of proposed action.

To avoid the introduction of non-native invasive weeds to the project area, before entering the proposed work area, all construction and personal vehicles will be clean and free of weed seeds. The vehicles will be inspected prior to entering the work area to ensure they are free of mud, dirt, and vegetation. Dirty vehicles will be turned away and will be washed before they will be allowed to enter the worksite.

The project disturbance area will be limited to the minimum required to perform the work, and to limit ingress and egress to the work area to the defined travel route. These actions will also reduce the potential for causing a weed infestation.

Construction

The construction activities will consist of the removal of the asphalt road and overburden where applicable; installation of three, 24-inch diameter corrugated steel tortoise guards along Colosseum Road; and replacing the soil, road base and patching the road. Two additional tortoise guards will be installed: one at the southwest corner of the golf course perimeter road (just north of the intersection of Silverton Road and Densmore Drive) and one where Yates Well Road intersects the ATT fiber optic line ROW. A general arrangement of a tortoise guard is provided as Figure 3. Approximately 1.1 miles of desert tortoise exclusionary fencing will also be constructed along Yates Well Road and will tie into the existing fence on the southwest side of Colosseum Road.

The proposed activities will occur over a 3-month period, although work in the field will occur during approximately 21 days (3 weeks) of that 3-month period. The various activities will be performed with staggered start dates, with the potential of having some activities occurring concurrently. Proposed activities will be performed primarily during daytime hours on Mondays through Thursdays. Occasional weekend work may be required. A total of six to seven construction personnel will be onsite during the construction, consisting of one site supervisor, three equipment operators, and two to three laborers.

As shown in Figure 2, access to the proposed work area will be via I-15, to the Yates Well Road exit, west and then north on Yates Well Road to its connection with Colosseum Road. All of these roads are paved.

Typical construction equipment for this proposed action will include the following: front-end loader, backhoe, bulldozer, excavator, compactor, and pickup trucks.

Wildlife

Mitigation for the potential impacts to special-status wildlife species will include measures to address potential impacts to the Desert Tortoise, Burrowing Owl, Golden Eagle, and nesting migratory and resident birds. These are discussed below.

Desert Tortoise

To minimize adverse effects to the desert tortoise, the following protective measures will be during construction, operation, maintenance, and decommissioning activities.

- Solar Partners will employ authorized biologists, approved by USFWS, and desert tortoise monitors to ensure compliance with protective measures for the desert tortoise. Use of authorized biologists and desert tortoise monitors will be in accordance with the most up-to-date USFWS guidance and will be required for monitoring of any construction, operation, or maintenance activities that may result in take of the desert tortoise. The current guidance is entitled Desert Tortoise – Authorized Biologist and Monitor Responsibilities and Qualifications (Service 2008a).

- Solar Partners will provide the credentials of all individuals seeking approval as authorized biologists to the BLM. The BLM will review these and provide the credentials of appropriate individuals to USFWS for approval at least 30 days prior to the time they will need to be in the field.

- Solar Partners will designate a field contact representative who will oversee compliance with protective measures during construction, operation, maintenance, and decommissioning activities that may result in injury or mortality of desert tortoises. If the field contact representative, authorized biologist, or desert tortoise monitor identifies a violation of the desert tortoise protective measures, they will halt work until the violation is corrected.

- Individuals approved to capture and handle desert tortoises (i.e., authorized biologists and supervised desert tortoise monitors) will do so in compliance with the most up-to-date guidance from the USFWS as contained in the *Desert Tortoise Field Manual* (USFWS 2009a).

- Solar Partners will develop and implement an environmental awareness program for all workers (construction, operation, maintenance, and decommissioning) that will address the following: a) types of construction activities that may affect the desert tortoise, b) the required desert tortoise protective measures, c) desert tortoise life history and threats, d) legal protections and penalties, and e) reporting requirements.

- Authorized biologists will perform clearance surveys of unfenced work areas immediately prior to the onset of construction, operation, or maintenance activities.

- Solar Partners will employ an appropriate number of authorized biologists and desert tortoise monitors to monitor construction, operation, maintenance, and decommissioning activities that occur in any unfenced work areas. Authorized biologists or desert tortoise monitors will flag all desert tortoise burrows for avoidance in areas adjacent to construction work areas.

- Solar Partners will confine all construction activities, project vehicles, and equipment within the delineated boundaries of construction areas that authorized biologists or designated desert tortoise monitors have identified and cleared of desert tortoises. Solar Partners will confine all work areas to the smallest practical area, considering topography, placement of facilities, location of burrows, public health and safety, and other limiting factors. Solar Partners will use previously disturbed areas to the extent feasible.

- Solar Partners will prohibit project personnel from driving off-road or performing ground disturbing activities outside of designated areas during construction, operation, maintenance, or decommissioning except to deal with emergencies.

- With the exception of security personnel, Solar Partners will prohibit firearms on the project site.

- Project personnel who are working outside fenced areas will check under vehicles or equipment before moving them. If project personnel encounter a desert tortoise, they will contact an authorized biologist. The desert tortoise will be allowed to move a safe distance away prior to moving the vehicle. Alternatively, an authorized biologist or desert tortoise monitor (under the direct supervision of an authorized biologist) may move the desert tortoise to a safe location to allow for movement of the vehicle.

- An authorized biologist or desert tortoise monitor will inspect all excavations that are not within desert tortoise exclusion fencing on a regular basis (several times per day) and immediately prior to filling of the excavation. If project personnel discover a desert tortoise in an open trench, an authorized biologist or desert tortoise monitor will move it to a safe location. Solar Partners will cover or temporarily fence excavations that are outside of the permanently fenced areas at the end of each day to prevent entrapment of desert tortoises during non-work hours.

- When outside of the fenced project areas, project personnel will not move construction pipes greater than 3 inches in diameter if they are stored less than 8 inches above the ground until they have inspected the pipes to determine the presence of desert tortoises. If tortoises are present, an authorized biologist or desert tortoise monitor will move it to a safe location. As an alternative, Solar Partners may cap all such structures before storing them outside of fenced area.

Burrowing Owl

The objective of the following measure will be to avoid and minimize impacts to burrowing owls at the proposed work areas and to preserve habitat that will support viable populations.

No disturbance will occur within 50 meters (approximately 160 feet) of occupied burrows during the non-breeding season of September 1 through January 31 or within 75 meters (approximately 250 feet) during the breeding season of February 1 through August 31. A minimum of 6.5 acres of foraging habitat will be preserved contiguous with occupied burrow sites for each pair of breeding burrowing owls (with or without dependent young) or single unpaired resident bird.

Occupied burrows will not be disturbed during the nesting season, from February 1 through August 31, unless the authorized biologist verifies that the birds have not begun egg-laying and incubation or that the juveniles from those burrows are foraging independently and capable of independent survival at an earlier date.

Nesting Migratory and Resident Birds

- The project biologist will perform a pre-activity survey, concurrent with the desert tortoise clearance survey, for nesting birds in the action area, including areas within 250 feet of the work areas. If proposed activities are to occur during the nesting season between February 1 and August 31, all sites to be disturbed will be surveyed for ground-

nesting and shrub-nesting birds prior to the start of such activities. If an active nest of a species protected pursuant to the MBTA or BGEPA is found, proposed activity will be limited within 250 feet of the nest, which will be monitored by the project biologist to ensure the nest is not affected. Proposed activities and timing may be modified to avoid impacts to nesting birds.

Cultural Resources

Designated Cultural Resources Specialist (CRS)

A designated CRS will be available during proposed construction work to inspect and evaluate any finds of archaeological resources that might occur. If there is a discovery of archaeological remains during proposed construction work, the CRS, in conjunction with the onsite project manager, will immediately stop all work within the immediate vicinity of the find until it can be evaluated and contact the appropriate BLM archeologist. The CRS will inspect the find and evaluate its potential significance, in consultation with BLM staff.

The CRS will meet the minimum qualifications for Principal Investigator on federal projects pursuant to the Secretary of the Interior's Standards and Guidelines for Archaeology and Historic Preservation.

Construction Worker Sensitivity Training

A worker sensitivity training program will be conducted to ensure implementation of procedures in the event that cultural resources are discovered during proposed construction activities. This training will be provided to each onsite worker as part of his environmental, health, and safety training. The training will include photographs of various types of historic and prehistoric artifacts and should describe the specific steps to be taken in the event of an unanticipated discovery of cultural material, including human remains. It will explain the importance of, and legal basis for, the protection of archaeological resources.

Inadvertent Discovery of Human Burials

All human remains discovered are to be treated with respect and dignity. Upon discovery of human remains, all work in the area must cease immediately, nothing is to be disturbed and the area must be secured. The San Bernardino County Coroner's Office will be contacted immediately along with the appropriate BLM land manager and archeologist. The Coroner has 2 working days to examine the remains after notification.

If the remains are located on federal lands, federal land managers, federal law enforcement and the federal archaeologist must be informed as well, due to complementary jurisdiction issues. It is very important that the suspected remains, and the area around them, are undisturbed and the proper authorities called to the scene as soon as possible, as it could be a crime scene. The Coroner will determine if the remains are archaeological/historic or of modern origin and if there are any criminal or jurisdictional questions.

Modern Remains
If the Coroner's Office determines the remains are of modern origin, the appropriate law enforcement officials will be called by the Coroner. Work will not resume until law enforcement has released the area.

Archaeological/Historic Remains
If the remains are determined to be archaeological/historic in origin, the requirements change depending on whether the discovery site is located on federally or non-federally owned/managed lands.

Remains discovered on federally owned/managed lands
After the Coroner has determined the remains are archaeological or historic, BLM has completed the California requirements that must be followed regarding "bodies." These materials are by definition archaeological resources, and the appropriate federal laws apply. The local Field Office Archaeologist must be called. The archaeologist will initiate the proper procedures under ARPA and/or NAGPRA to determine the disposition of the materials. If the remains are determined to be Native American, the steps as outlined in NAGPRA, 43 CFR 10.6 (Inadvertent discoveries) must be followed.

Remains discovered on non-Federally owned/managed lands
California state law has additional requirements that apply to non-federal lands. After the Coroner has determined the remains on non-federally owned/managed lands are archaeological/historic, the Coroner will make recommendations concerning the treatment and disposition of the remains to the person responsible for the excavation, or to his or her authorized representative. If the Coroner believes the remains to be those of a Native American he/she shall contact the California Native American Heritage Commission (NAHC) by telephone within 24 hours. The NAHC will immediately notify the person it believes to be the most likely descendant of the remains. The most likely descendant has 48 hours to make recommendations to the land owner for treatment or disposition of the human remains. If the descendant does not make recommendations
within 48 hours, the land owner shall reinter the remains in an area of the property secure from further disturbance. If the land owner does not accept the descendant's recommendations, the owner or the descendant may request mediation by NAHC.

Health and Safety

To protect the safety and health of workers during the proposed desert tortoise habitat enhancement activities, a health and safety program will be implemented to minimize hazards and comply with applicable federal and state regulations. The health and safety program will include, but not be limited to, addressing the following:

- Correct operation, maintenance, and inspection of vehicles and equipment
- Operation of construction equipment by authorized or licensed personnel
- The need for and use of personal protective equipment
- The need for and use of hearing-protective devices (as necessary)
- Proper lifting and material handling procedures

- Biological hazards (wild/poisonous animals, insects, and plants)
- Fire response training and equipment
- First aid/CPR/ADE training and equipment
- Methods of communication (including the use of cell phones and/or satellite phones, if necessary)
- Measures to avoid heat and cold stress
- Dust hazards and control measure
- Proposed action will be conducted in accordance with all applicable laws, ordinances, regulations, and standards.

Operation and Maintenance

Once the tortoise guards have been constructed, they will require only minor maintenance because they will be constructed of durable materials such as steel and concrete, and they will be installed permanently in or under the road bed. The principle maintenance activity that will be needed is routine inspection and cleaning of the facilities, especially following large storm events. The guards will be inspected periodically and cleared of any debris or invasive vegetation that may block access to them by the tortoises. Fencing adjacent to the guards will be maintained as well, so that the tortoises cannot bypass the tortoise guard feature and enter the roadway. These maintenance activities will be performed during the normal fence inspections required following major storm events.

The diameter of the tortoise guards (16 inches) will provide more than adequate space for the tortoises to move through the guards and will enable the tortoises to see light at the other end, thereby encouraging them to cross at those locations.

Decommissioning and Restoration

Upon decommissioning of the power plant, a review will be made of the need to remove the tortoise guards based on which roads will remain post decommissioning. The determination will be made in consultation with the USFWS, BLM and the CEC's Compliance Project Manager. If the determination is made that they are to be removed, they will be revegetated and restored as set forth in the Closure, Revegetation, and Rehabilitation Plan for ISEGS.

Appeals

This decision constitutes the final decision by the Bureau of Land Management in this matter. This decision may be appealed to the Interior Board of Land Appeals, Office of the Secretary, in accordance with the regulations contained in Title 43 Code of Federal Regulations (CFR) Part 4 and the enclosed Form 1842-1. If an appeal is taken, a notice of appeal must be filed in the Needles Field Office, Bureau of Land Management, U.S. Department of the Interior, 1303 South U.S. Highway 95, Needles, California 92363, within 30 days from receipt of this decision. The appellant has the burden of showing that the decision appealed from is in error.

Pursuant to 43 CFR 2801.10(b) this decision shall remain effective pending appeal unless the Secretary of the Interior rules otherwise. If the appellant wishes to file a petition pursuant to regulation 43 CFR 2804.1 for a stay of the effectiveness of this decision during the time that the appeal is being reviewed by the Board, the petition for a stay must accompany the notice

of appeal. A petition for a stay is required to show sufficient justification based on the standards listed below. Copies of the notice of appeal and petition for a stay must also be submitted to each party named in this decision and to the Interior Board of Land Appeals and to the appropriate Office of the Solicitor (see 43 CFR 4.413) at the same time the original documents are filed with this office. If a stay is requested, the appellant has the burden of proof to demonstrate that a stay should be granted.
Standards for Obtaining a Stay

Except as otherwise provided by law or other pertinent regulation, a petition for a stay of a decision pending appeal shall show sufficient justification based on the following standards:

(1) The relative harm to the parties if the stay is granted or denied;
(2) The likelihood of the appellant's success on the merits;
(3) The likelihood of immediate and irreparable harm if the stay is not granted; and
(4) Whether the public interest favors granting the stay.

Approved by:

Field Manager, Needles Field Office

5-2-12
Date

CONDITIONS OF APPROVAL AND ADVISORY:

PROJECT: Solar Partners I, LLC; Solar Partners II, LLC; and Solar Partners VIII, LLC, Ivanpah Solar Electric Generating System Desert Tortoise Interconnect Fence

CONTROL NUMBER: DOI-BLM-CA-D090-2012-0018-EA

Conditions of Approval

1. The grantee shall designate a field contract representative (FCR) who will be responsible for overseeing compliance with protective conditions and for coordinating compliance with the Bureau of Land Management (BLM). The FCR must be onsite during all (project, event) activities. The FCR shall have the authority to halt all (project, event) activities that are in violation of the conditions. The FCR shall have a copy of the decision record and conditions of approval (when work is being conducted on the site, during event related activities). The FCR may be a crew chief or field supervisor, a project manager, or any other employee of the grantee.

2. The grantee will comply with all conditions contained in this right-of-way grant amendment unless otherwise approved in writing by the Authorized Officer. Non-compliance with these conditions by the grantee or any of his agents may at the option of the Authorized Officer result in the cancellation or suspension of the right-of-way grant amendment or adverse action against the grantee.

3. The grantee shall comply with applicable federal and state laws and regulations issued thereunder, existing or hereafter enacted or promulgated, affecting in any manner construction, operation, maintenance or termination of the right-of-way grant amendment.

4. The grantee shall confine all activities within the area specifically defined in the right-of-way.

5. When all development and rehabilitation have been completed, a joint compliance check of the (right-of-way, permit area, project area) will be made. The grantee and the Authorized Officer shall hold a joint inspection of the grant amendment to determine if compliance with the terms and conditions of this grant amendment have been completed. The grantee shall perform at their own expense any required modifications or additional reclamation work needed to comply with the terms of this grant amendment as conclusively determined by the Authorized Officer.

6. The operator will immediately bring to the attention of the Authorized Officer any archaeological resources encountered during operations and maintain the integrity of such resources pending subsequent investigation.

7. Solar Partners will provide the credentials of all individuals seeking approval as authorized biologists to the BLM at least 45 days in advance of the date they will be needed in the field

8. Prior to mobilization on the site, all equipment will be inspected to be sure it is operating correctly and free of leaks. Equipment will be inspected daily to ensure that there are no discharges. Equipment maintenance activities should not be conducted on the site. Appropriate spill containment material will be kept on site. All fuels and other

materials used will be contained within the equipment or stored in appropriate containers. All materials will be removed from the site upon completion of construction activities.

If spillage of fuel, oil, antifreeze or other fluids occurs in association with vehicle breakdowns or accidents, all costs associated with this cleanup will be borne by the Grantee.

Releases of any material not authorized will be reported immediately to the Federal Interagency Communications Center (FICC) at (909) 383-5652. An initial Report will be faxed to the authorized officer within 24 hours of the incident's discovery (760) 326-7099. Incidents which occur during non-office hours must be faxed to the FICC concurrently at (909) 383-5587. A comprehensive follow-up report must be received by the authorized officer within 14 calendar days of the incident's discovery.

9. Construction sites shall be maintained in a sanitary condition at all times; waste materials at those sites shall be removed from the area and disposed of promptly at an appropriate waste disposal facility following the close of the day. 'Waste' means all discarded matter including, but not limited to, human waste, trash, garbage, refuse, oil drums, petroleum products, ashes, and equipment. The Grantee will implement a litter control and policing program which covers all roads and sites associated with the right-of-way and will include the use of covered, raven-proof trash receptacles easily accessible to the participants and properly emptied when receptacles are full. Litter shall be controlled to minimize wind-blown trash across the desert floor.

The following measures will be implemented to compensate for the loss of 2 acres of Category III desert tortoise habitat.

The compensatory mitigation for habitat loss was established in the 2002 Northern and Eastern Mojave Desert (NEMO) plan amendment. The project site is located within an area identified by the NEMO plan amendment as Category III desert tortoise habitat. Category III desert tortoise habitat is defined as "areas where maintenance of existing populations and minimization of unnatural impacts to species, rather than recovery of populations, are the goals." Compensation in Category III habitat is set at a rate of one acre for each acre disturbed. Compensation is to be in the form of land acquisition of habitat that is of equal or greater quality than the existing habitat or in the form of habitat enhancement projects. Monetary compensation can be provided to the agencies, in lieu of land acquisition or habitat enhancement projects. These funds are to then be used by the agency to conduct land acquisition or to be used for perform other desert tortoise management actions. In addition to habitat acquisition, desert tortoise management actions may include habitat enhancement, population enhancement, education, research, studies and monitoring. The 1991 report entitled "Compensation for the Desert Tortoise," prepared by the Desert Tortoise Compensation Team and approved by the Desert Tortoise Management Oversight Group, defines a standard process to be used by state and federal agencies to determine monetary desert tortoise compensation requirements. The 1992 BLM Instruction Memorandum (No. CDD 93-13) "Statewide Tortoise Policy and Compensation" provides guidance on BLM implementation of the tortoise policy and associated compensation formulas. In accordance with this Instruction Memorandum, Solar Partners may choose to provide the BLM with monetary compensation at the appropriate rate for 2 acres of Category III desert tortoise habitat disturbance. The

following formula will be applied, should Solar Partners decide to provide the BLM with monetary compensation.

Compensation acres =	2 acres
Compensation land value at $500.00/acre =	$ 1,000.00
Acquisition fee at 15% =	$ 150.00
Subtotal =	$ 1,150.00
Overhead/handling surcharge at 18% =	$ 207.00
TOTAL COMPENSATION FEE =	$ 1,357.00

The Compensation for the Desert Tortoise will be submitted the BLM, Needles Field Office within 30 days receipt of the Decision Record.

10. The grantee will comply with the provisions of the June 10, 2011, U.S. Fish and Wildlife Service Biological Opinion on BrightSource Energy's Ivanpah Solar Electric Generating System Project, San Bernardino County, California [CACA-48668, 49502, 49503, 49504] (8-8-10-F-24R).

Advisory

1. Actions other than those explicitly approved by the Bureau of Land Management which result in impacts upon archaeological resources, shall be subject to the judicial proceedings of the Archaeological Resources Protection Act of 1979, as amended, and the Federal Land Policy and Management Act of 1976. As property of the United States, no person may, without authorization, excavate, remove, damage, or otherwise alter or deface any historic or prehistoric site, artifact, or object of antiquity located on public lands.

2. The desert tortoise was listed as an endangered species by the U.S. Fish and Wildlife Service through an emergency action in August, 1989, and is now listed as a threatened species effective April 2, 1990. It receives the same protection with its threatened status as it had as an endangered species. Handling or harassment of tortoises is prohibited as a result of its endangered/threatened status. Such activities not only jeopardize the tortoise's well being, but can result in significant fines ($100,000 and/or 6 months imprisonment).

3. Wild horses and burros are protected by Federal law. It is illegal to harass, capture, injure, or kill wild horses or burros.

FORM 2800-14
(August 1985)

Issuing Office
Needles Field Office

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
RIGHT-OF-WAY LEASE/GRANT

SERIAL NUMBER CACA-049502 Amendment 3

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1. As authorized by the Record of Decision for the Ivanpah Solar Electric Generating System Construction Logistics Area, dated October 7, 2010, a right-of-way lease/grant amendment is hereby issued pursuant to Title V of the Federal Land Policy and Management Act of October 21, 1976 (90 Stat. 2776; 43 U.S.C. 1761) and the Bureau of Land Management right-of-way regulations (43 CFR Part 2800).

2. Nature of Interest:

   a. By this instrument, each of the following, as tenants in common (collectively the "holder" or "SP Entities"):

      Solar Partners I, LLC
      Solar Partners II, LLC
      Solar Partners VIII, LLC
      HCR1 Box 280
      Nipton, CA 92364

   receives a collective and undivided right to use and occupy the following described public lands to construct, operate, maintain, and decommission the Construction Logistics Area and ancillary facilities related to the Ivanpah Solar Electric Generating System project as described in the approved Plan of Development (POD):

   LEGAL DESCRIPTION

   Below is the legal description for the lands affected by the right-of-way grant/lease amendment.

   T. 16 N., R. 14 E., SBM
   sec. 1, lots 1 and 2 of the NW¼, N½SW¼, and NW¼NW¼SE¼;
   sec. 2, lot 2 of NE¼.

   b. The right-of-way (ROW) granted in this amendment is for the installation of additional tortoise exclusion fencing, two tortoise guards, of which one tortoise guard is located on private property and is subject to environmental review but not authorization, on Yates Well Road from the Primm Valley Golf Club to Interstate 15, and three tortoise guards on Colosseum Road. The existing right-of-way (ROW) of 24 feet will be widened to 55 and 70 feet in width along

Silverton and Yates Well Road. The ROW will be 70 feet wide by 2,278 feet in length starting at I-15 running east/west, 55 feet wide by 1,692 feet in length running north/south, 70 feet wide by 1,682 feet in length running northwest/southeast to the southwest corner of the Primm Valley Golf Club, approximately 1.1 miles in length. The new area will include 5.386 acres of the total 8.500 acres, more or less, see Figures 1-3.

The two tortoise guards will be located at the intersection of Yates Well Road and the ATT fiber optic line ROW where Silverton Road meets Densmore Drive at the southwest corner of the Primm Valley Golf Club property, which is private property. The three guards will be added to the improved section of Colosseum Road. One guard will be to the west of the golf course well on Colosseum Road, the second along Colosseum Road east of the well and the third along Colosseum Road after it turns southeast to meet Yates Well Road. See Figure 2 for the approximate location of the proposed tortoise guards.

The existing tortoise exclusion fence on the northeast side of Colosseum Road will tie into the south side of the Silverton Road to another proposed tortoise guard, which is on private property. The fence will be located along I-15 per the terms of the Biological Opinion dated June 10, 2011.

The desert tortoise exclusion fence will tie into the existing fence on the southwest side of Colosseum Road and extend along the southwestern, western, and southern edges of Yates Well Road to the I-15 south bound on-ramp, see Figure 2. This tortoise exclusion fencing will tie into the fencing along I-15 in association with the ISEGS project.

c. This instrument shall expire on 12/31/2021, unless, prior thereto, it is relinquished, abandoned, or terminated pursuant to the terms and conditions of this instrument or of any applicable Federal law or regulation.

d. This instrument may be renewed by the Authorized Officer. The holder is required to submit an application for renewal at least 120 calendar days prior to the expiration date of this instrument. The Authorized Officer will review the application for renewal to ensure the holder is complying with the terms, conditions, and stipulations of this instrument and applicable laws and regulations. If renewed, the right-of-way shall be subject to the regulations existing at the time of renewal and any other terms and conditions that the Authorized Officer deems necessary to protect the public interest.

e. Notwithstanding the renewal, expiration, relinquishment, abandonment, or termination of this instrument, the provisions of this instrument, to the extent applicable, shall continue in effect and shall be binding on the holder, its successors, or assigns, until they have fully satisfied the obligations and/or liabilities accruing herein before or on account of the renewal, expiration, relinquishment, abandonment, or termination of this authorization.

f. The Authorized Officer retains the right of access to the lands included within the right-of-way at any time and may enter any facility on the right-of-way in accordance with 43 CFR 2805.15(a). The holder shall pay monitoring fees in accordance with 43 CFR 2805.16 for the reasonable costs incurred in the inspection and monitoring of construction, operation, maintenance, and decommissioning of the right-of-way.

g. This instrument is issued subject to valid existing rights in accordance with 43 CFR 2805.14 including but not limited to rights-of-way CACA-21604 and CACA-20105.

3. Rental:

a. For and in consideration of the rights granted, the holder agrees to pay the Bureau of Land Management the fair market value of the right-of-way, which includes a base rent without a megawatt capacity fee, as determined by the Authorized Officer unless specifically exempted from such payment by law or regulation. Provided, however, that the rental may be adjusted by the Authorized Officer, whenever necessary, to reflect changes in fair market value as determined by the application of sound business management principles, and so far as practicable and feasible, in accordance with comparable commercial practices. The rental provisions of this authorization may also be modified consistent with the provisions of any regulatory changes or pursuant to the provisions of any new or revised statutory authorities.

b. The rental includes an annual base rent for the acreage of the public land included in the authorization. The base rent is due and payable upon the date of issuance of this instrument and will be paid on an annual basis consistent with the regulations. The base rent will be adjusted each year based on the Implicit Price Deflator-Gross Domestic Product (IPD-GDP) index.

4. Terms and Conditions:

a. This instrument is issued subject to the holder's compliance with all applicable laws and regulations and, in particular, with the regulations contained in Title 43 Code of Federal Regulations Part 2800, including the terms and conditions required by 43 CFR 2805.12. Failure of the holder to comply with applicable law or regulations or any terms, conditions, or stipulations of this instrument shall constitute grounds for suspension or termination thereof. The Authorized Officer may change the terms and conditions of this instrument as a result of changes in legislation, regulations, or as otherwise necessary to protect public health or safety or the environment in accordance with 43 CFR 2805.15(e).

b. The right-of-way Stipulations contained in the grant dated October 7, 2010, and the conditions in the June 10, 2011, Biological Opinion are incorporated into and made a part of this instrument as fully and effectively as if they were set forth herein in their entirety.

c. The holder shall perform all operations in a good and workmanlike manner, consistent with the approved Plan of Development, so as to ensure protection of the environment and the health and safety of the public. The Authorized Officer may order an immediate temporary suspension of operations, orally or in writing, in accordance with 43 CFR 2807.16 to protect public health or safety or the environment if the Authorized Officer determines that the holder has violated one or more of the terms, conditions, or stipulations of this instrument. An immediate temporary suspension order is effective until the holder receives a written Notice to Proceed from the Authorized Officer.

d. The holder will not initiate any construction or other surface disturbing activities on the right-of-way without prior written authorization of the Authorized Officer. Such authorization will be a written Notice to Proceed (Form 2800-15) issued by the Authorized Officer or his/her delegated representative. Each Notice to Proceed will authorize construction or use and occupancy only as therein expressly stated and only for the particular location or use and occupancy therein described, i.e., a construction phase or site location. The Authorized Officer will issue a Notice to Proceed subject to such terms and conditions as deemed necessary when the design, construction, use, occupancy, and operation proposals are in conformity with the terms and conditions of this instrument.

e. Upon termination by the Authorized Officer or expiration of this instrument, all improvements shall be removed from the public lands within 180 calendar days or otherwise disposed of as provided for in the approved Plan of Development, or as directed by the Authorized Officer.

f. This instrument shall, at a minimum, be reviewed by the Authorized Officer at the end of the 10th year and at regular intervals thereafter not to exceed 10 years. Provided, however, that this instrument may be reviewed at any time deemed necessary by the Authorized Officer in accordance with the regulations.

g. This instrument may be assigned consistent with the regulations, but all assignments are subject to approval by the Authorized Officer. In addition, the qualifications of all assignees must comply with the requirements of the regulations. A partial assignment of this instrument shall not be approved if such action would hinder the Authorized Officer's management of the authorization or the associated public lands.

h. Upon the request of the Authorized Officer, the holder shall provide access to environmental, technical, and financial records, reports, and other information related to construction, operation, maintenance, and decommissioning of the right-of-way. Any information marked confidential or proprietary will be kept confidential to the extent allowed by law. Failure of the holder to cooperate with such request, provide data, or grant access to such records, reports, and information may, at the discretion of the Authorized Officer, result in suspension or termination of the right-of-way lease/grant in accordance with the regulations.

IN WITNESS WHEREOF, The undersigned agree to the terms and conditions of this right-of-way.

SOLAR PARTNERS I, LLC
By:

Senior Compliance Manager
(Title)

BUREAU OF LAND MANAGEMENT

(Signature of Authorized Officer)

Field Manager
(Title)

5/7/12
(Date)

May 7, 2012
(Effective Date of Right-of-Way Lease/Grant)

SOLAR PARTNERS II, LLC

By:

Senior Compliance Manager
(Title)

5/7/12
(Date)

BUREAU OF LAND MANAGEMENT

(Signature of Authorized Officer)

Field Manager
(Title)

May 7, 2012
(Effective Date of Right-of-Way Lease/Grant)

SOLAR PARTNERS VIII, LLC

By:

Senior Compliance Manager
(Title)

5/7/12
(Date)

BUREAU OF LAND MANAGEMENT

(Signature of Authorized Officer)

Field Manager
(Title)

May 7, 2012
(Effective Date of Right-of-Way Lease/Grant)

Attachments
Figures 1-3

2806-2885 - RIGHTS-OF-WAY MANAGEMENT
Determining CY 2012 1/ Rent Under the Linear Rental Schedule
All Linear Right-of-Way Facilities

USE FOR CALENDAR YEAR 2012 ONLY 2/

Serial No. CACA-049502 Amendment
Date of Determination 03/30/2012
Employee J. Najar

Determine the CY 2012 (12 months) rent for the ROW by multiplying the number of acres (round **up** to next tenth of an acre at county level) in each appropriate zone by the rental rate for that zone. All rental calculations are rounded to the nearest cent as follows: $97.164 is equal to $97.16; $97.165 is equal to $97.17.

Zone 1	_____	acres X $	8.15 = $	_____
Zone 2	_____	acres X $	16.30 = $	_____
Zone 3	_____	acres X $	32.59 = $	_____
Zone 4	_____	acres X $	48.89 = $	_____
Zone 5	_____	acres X $	65.19 = $	_____
Zone 6	5.4	acres X $	97.78 = $	528.01
Zone 7	_____	acres X $	162.96 = $	_____
Zone 8	_____	acres X $	325.93 = $	_____
Zone 9	_____	acres X $	651.85 = $	_____
Zone 10	_____	acres X $	977.78 = $	_____
Zone 11	_____	acres X $	1629.64 = $	_____
Zone 12	_____	acres X $	3259.27 = $	_____

12 month total	$	528.01
Times part year factor 3/	X	0.5833
Total for part year	$	307.99

1/Refer to 43 CFR 2806.24 for required rental payment periods.
2/ See attached rent billing business rules.
3/ Part year factors are:

12 months 1.0000	9 months 0.7500	6 months 0.5000	3 months 0.2500
11 months 0.9167	8 months 0.6667	5 months 0.4167	2 months 0.1667
10 months 0.8333	7 months 0.5833	4 months 0.3333	1 month 0.0833

Business Rules for Calculating Initial Rent (Courtesy Statements) and Subsequent Rent (Account Receivable Bills)

Calculation and Billing of "Initial" Rent

The initial rent can be billed by creating a Courtesy Statement (CS) in LRAM or CBS. Rent bills for new grants are "courtesy" statements because the applicant is not obligated to pay rent unless he/she accepts the terms/conditions of the grant offer. If created in LRAM, the system calculates the rent for grants issued between January 1 and September 30 time-period, **and** LRAM has now been programmed to use the upcoming year's rental rates to create a CS for grants issued between October 1 and December 31 time-period. CSs can now be created in LRAM year-round. If created in CBS, the rent must be manually calculated.

Business Rule 1 – Round acres up to nearest tenth of an acre: Acres are rounded **up** to the next tenth of an acre on a county (or geographical area) basis.

Business Rule 2 – Default billing periods: For billing purposes, BLM will assume that the holder prefers the minimum allowable rental payment period provided by the new regulations in this section (either annual or 10-year), unless the holder notifies BLM in writing at least 3 months prior to the due date (by October 1, if the due date is January 1) of their desire to be billed for a greater period.

Business Rule 3 – When a new grant is issued between January 1 and September 30, and the initial billing period is 10 years (the annual rent for an individual* is $100 or less; or the annual rent for a non-individual** is $500 or less), manually calculate the first year's rent by multiplying the rent per acre for the appropriate county zone from the current rent schedule by the number of acres (as rounded **up** to the nearest tenth of an acre) in the right-of-way area that fall in each zone and multiplying the result by the part year factor. Calculate the rent for the remaining years in the rent payment period by multiplying the rent per acre for the appropriate county zone from the current rent schedule by the number of acres (as rounded **up** to the nearest tenth of an acre) in the right-of-way area that fall in each zone and multiplying the result by the number of full years remaining in the rent payment period. For grants 10 years and longer, the first partial year is considered year one of the 10-year rent payment period, i.e., the first payment period is nine years plus X months. Subsequent payment periods are for a full 10 years.

Business Rule 4 – When a new grant is issued between October 1 and December 31, and the initial billing period is 10 years (the annual rent for an individual* is $100 or less; or the annual rent for a non-individual** is $500 or less), manually calculate the first year's rent by multiplying the rent per acre for the appropriate county zone from the current rent schedule by the number of acres (as rounded **up** to the nearest tenth of an acre) in the right-of-way area that fall in each zone and multiplying the result by the part year factor. Calculate the rent for the remaining years in the rent payment period by multiplying the rent per acre for the appropriate county zone from the next year's rent schedule by the number of acres (as rounded **up** to the nearest tenth of an acre) in the right-of-way area that fall in each zone and multiplying the result by the number of full years remaining in the rent payment period. For grants 10 years and longer, the first partial year is considered year one of the 10-year rent payment period, i.e., the first payment period is nine years plus X months. Subsequent payment periods are for a full 10 years.

Business Rule 5 – When a new grant is issued between January 1 and September 30, and the grant qualifies for annual billing (the annual rent for an individual* is more than $100; or the annual rent for a non-individual** is more than $500), manually calculate the initial rent by multiplying the rent per acre for the appropriate county zone from the current rent schedule by the number of acres (as rounded **up** to the nearest tenth of an acre) in the right-of-way area that fall in each zone and multiplying the result by the part year factor. Billing is for only the first partial year.

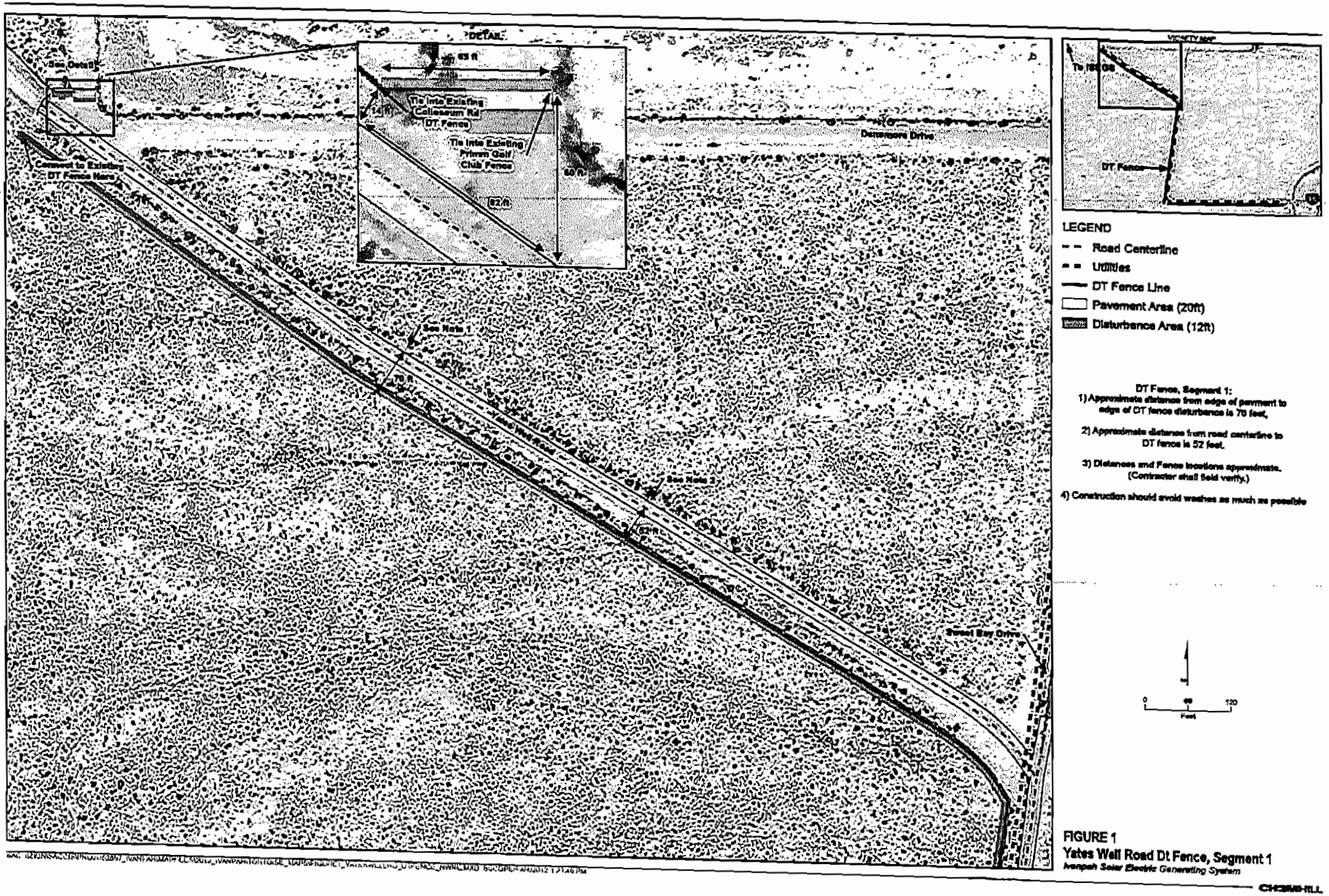
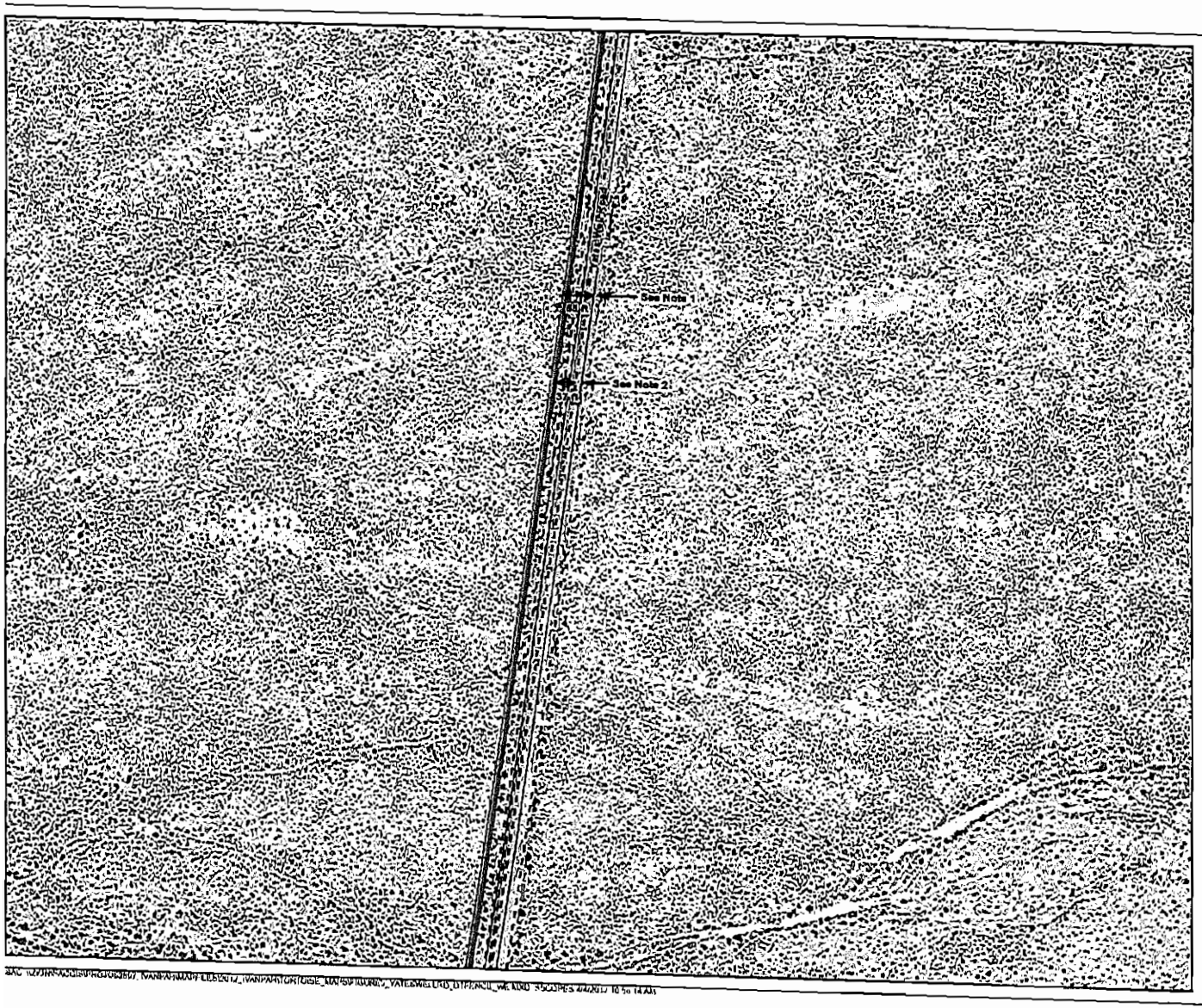
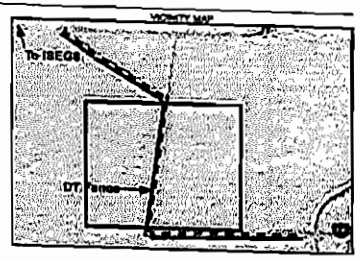


FIGURE 1
Yates Well Road Dt Fence, Segment 1
Avenpah Solar Electric Generating System

CH2MHILL





LEGEND

- Road Centerline
- Utilities
- DT Fence Line
- Pavement Area (20ft)
- DT Fence Disturbance Area (12ft)

DT Fence, Segment 2:

1) Approximate distance from edge of pavement to edge of DT fence disturbance is 55 feet.

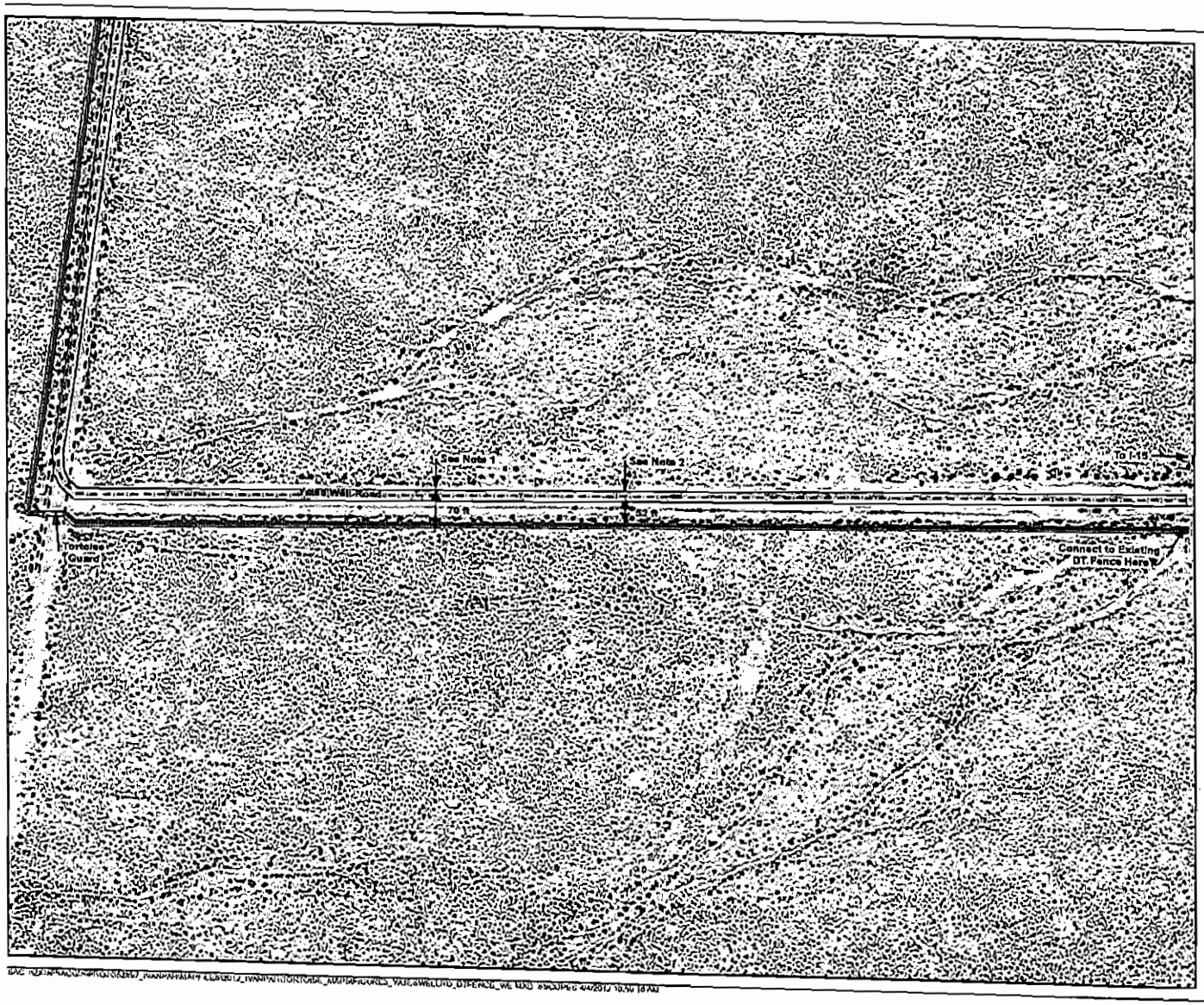
2) Approximate distance from road centerline to DT fence is 37 feet.

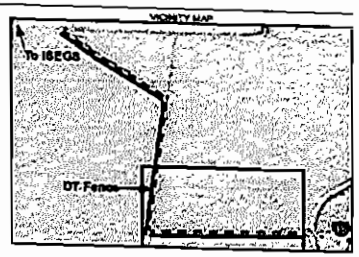
3) Distances and Fence locations approximate. (Contractor shall field verify.)

4) Construction should avoid washes as much as possible

FIGURE 2
Yates Well Road Dt Fence, Segment 2
Ivanpah Solar Electric Generating System

CH2MHILL





LEGEND

- Road Centerline
- Utilities
- DT Fence Line
- Pavement Area (20ft)
- DT Fence Disturbance Area (12ft)
- Desert Tortoise Guard

DT Fence, Segment 3:

1) Approximate distance from edge of pavement to edge of DT fence disturbance is 70 feet.

2) Approximate distance from road centerline to DT fence is 52 feet.

3) Distances and Fence locations approximate. (Contractor shall field verify.)

4) Construction should avoid washes as much as possible

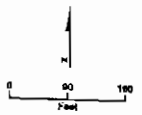


FIGURE 3
Yates Well Road Dt Fence, Segment 3
Ivanpah Solar Electric Generating System

CH2MHILL

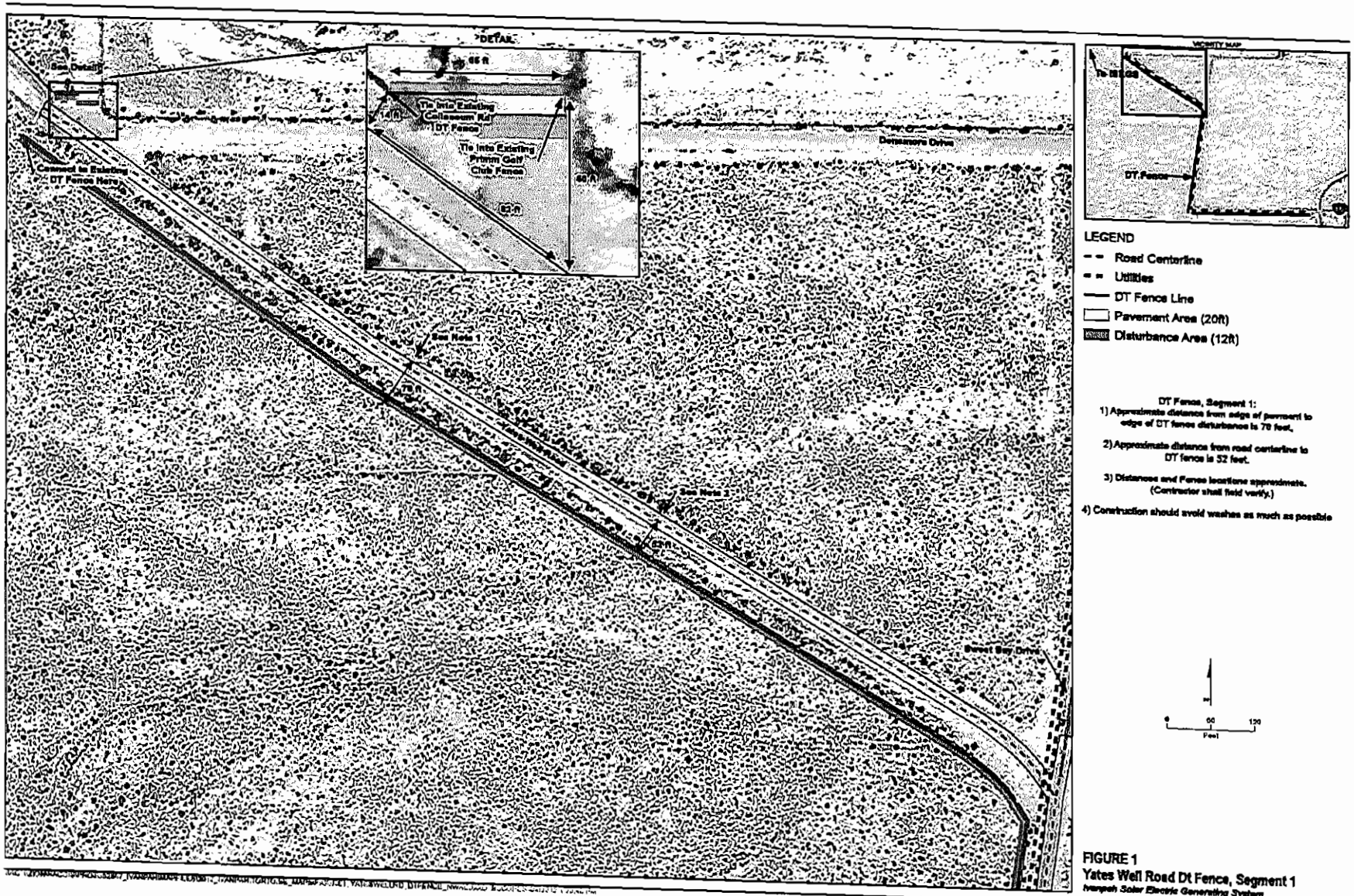
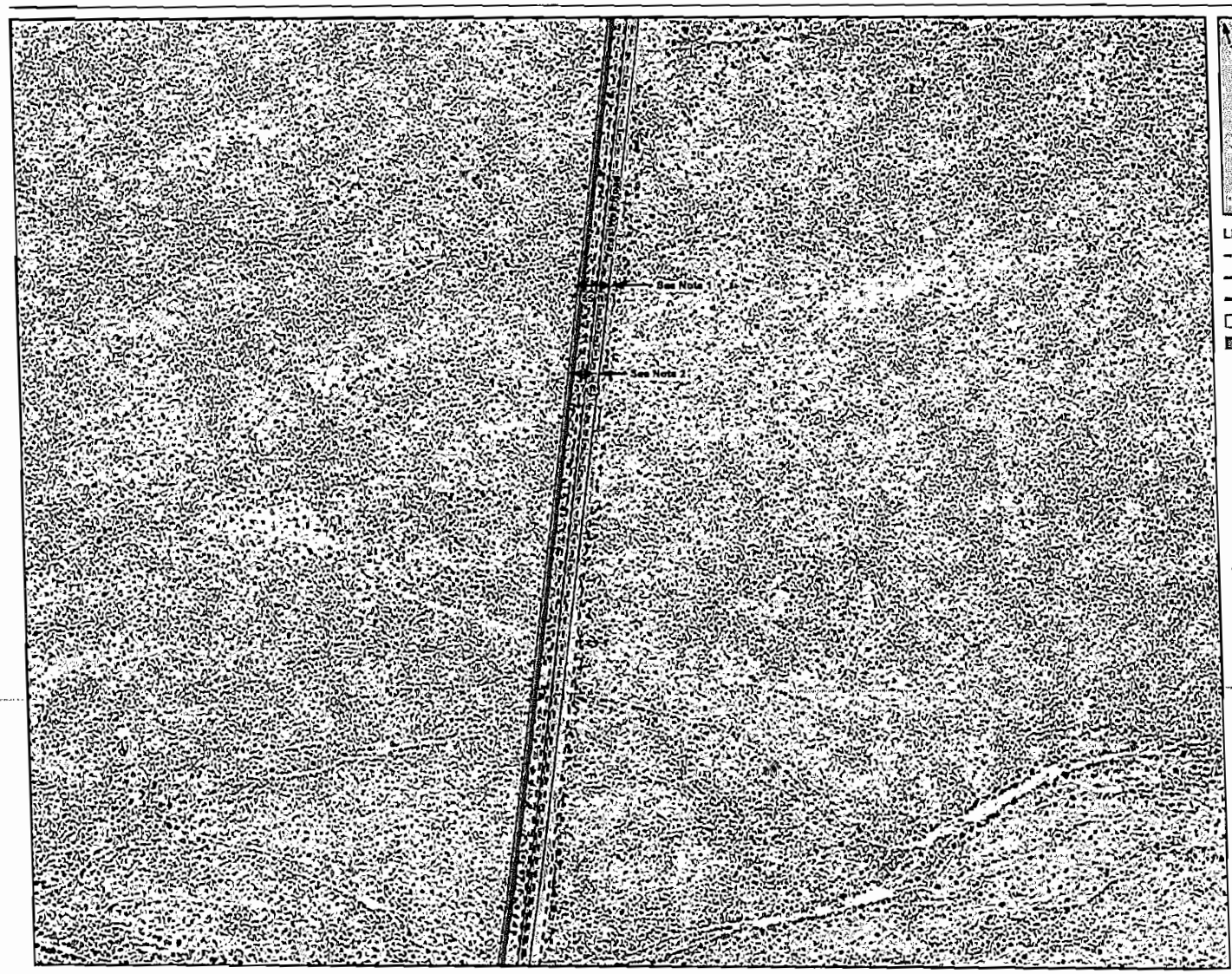
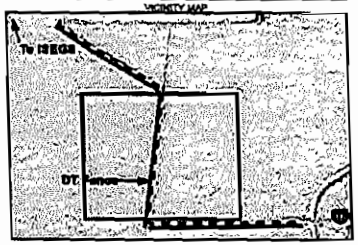


FIGURE 1
Yates Well Road Dt Fence, Segment 1
Ivanpah Solar Electric Generating System

CH2MHILL





LEGEND

- Road Centerline
- Utilities
- DT Fence Line
- Pavement Area (20ft)
- DT Fence Disturbance Area (12ft)

DT Fence, Segment 2:

1) Approximate distance from edge of pavment to edge of DT fence disturbance is 55 feet,

2) Approximate distance from road centerline to DT fence is 37 feet.

3) Distances and Fence locations approximate, (Contractor shall field verify.)

4) Construction should avoid washes as much as possible

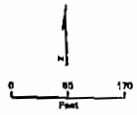
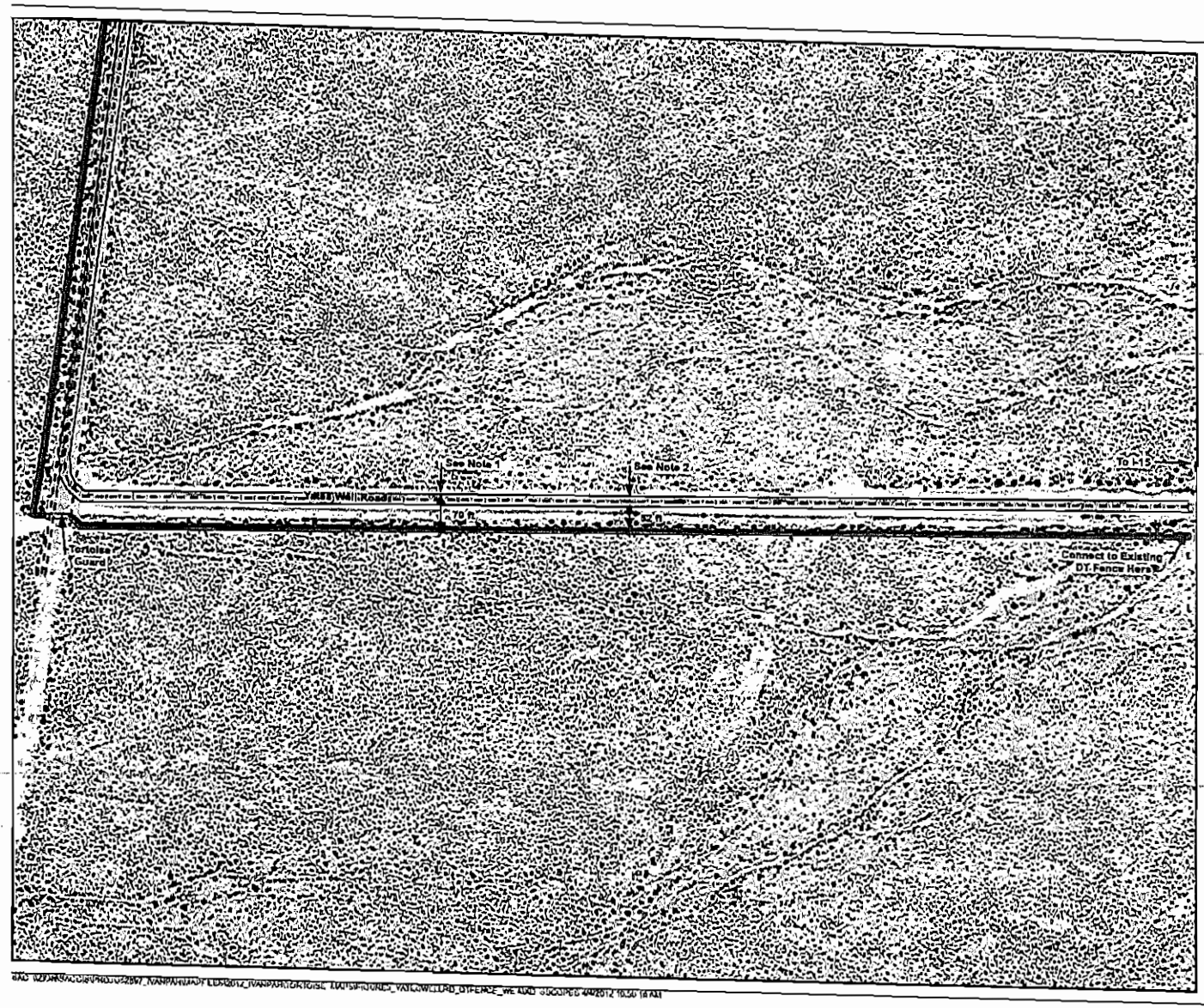
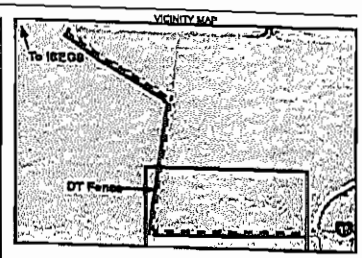


FIGURE 2
Yates Well Road Dt Fence, Segment 2
Ivanpah Solar Electric Generating System

CH2MHILL



VICINITY MAP



LEGEND

- Road Centerline
- Utilities
- DT Fence Line
- Pavement Area (20ft)
- DT Fence Disturbance Area (12ft)
- Desert Tortoise Guard

DT Fence, Segment 3:

1) Approximate distance from edge of pavment to edge of DT fence disturbance is 70 feet.

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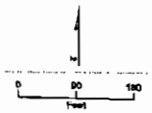

FIGURE 3

Yates Well Road Dt Fence, Segment 3

Ivanpah Solar Electric Generating System

CH2MHILL

Business Rule 6 – When a new grant is issued between October 1 and December 31, and the grant qualifies for annual billing (the annual rent for an individual* is more than $100; or the annual rent for a non-individual** is more than $500), manually calculate the first year's rent by multiplying the rent per acre for the appropriate county zone from the current rent schedule by the number of acres (as rounded **up** to the nearest tenth of an acre) in the right-of-way area that fall in each zone and multiplying the result by the part year factor. However, since the new grant is issued in the 4th quarter, it is inefficient to only bill for a maximum of two months. Therefore, include both the partial year and the full subsequent year in the initial rental bill due on grant issuance. Calculate the rent for the subsequent year by multiplying the rent per acre for the appropriate county zone from the next year's rent schedule by the number of acres (as rounded **up** to the nearest tenth of an acre) in the right-of-way area that fall in each zone. Billing is for the first partial year plus the next full year.

Accounts Receivable Bills

Calculation of "accounts receivable" bills (rent bills for existing grants are considered "accounts receivable" bills because the holder is obligated to pay rent as a term/condition of the grant. Account receivable bills must be calculated in LRAM. Since all grants should terminate on December 31 of the final year of the term, billing periods should be either annually, at 10-year intervals, or the term of the grant (not to exceed 30 years, if the term is perpetual). No other billing periods are available under the final regulations.

Business Rule 7 – Annual bills. Whenever the annual rent using the current year's rental rates exceeds $100 (for an individual*) or exceeds $500 (for a non-individual**), then that grant qualifies for annual billing. These limits are based on individual grants, not multiple grants in bill groups or in consolidated bills.

Business Rule 8 – 10 year bills or bills for remaining years in term. Whenever the annual rent using the current year's rental rates equals $100 or less (for an individual*) or equals $500 or less (for a non-individual**), then that grant qualifies for 10-year interval (or the remaining term) billing.

Business Rule 9 – Existing and new perpetual grants. Rent (and rent payment periods) for perpetual grants are determined the same as rent for grants with a specified number of years, except the maximum rental payment period cannot exceed 30 years (unless the land encumbered by the perpetual grant is being transferred out of Federal ownership and the holder requests a one-time payment as provided by §§2806.25, 2806.26 and 2885.22(a)). Payment of the maximum rent for a perpetual grant for a 30 year period is not a one-time rent payment for that grant. New rent is due for that perpetual grant in year 31 if the holder had initially or subsequently paid the maximum 30 year rent payment term.

---

* *The final rule does not define the term "individual" but the preamble states that an "individual" does not include any business entity, e.g., partnerships, corporations, associations, or any similar business arrangements. Includes husband and wife.*

** *Includes private corporations, public corporations, partnerships, or other unincorporated entities.*

Form 1842-1
(September 2006)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

INFORMATION ON TAKING APPEALS TO THE INTERIOR BOARD OF LAND APPEALS

DO NOT APPEAL UNLESS
1. This decision is adverse to you,
AND
2. You believe it is incorrect

IF YOU APPEAL, THE FOLLOWING PROCEDURES MUST BE FOLLOWED

1. NOTICE OF APPEAL.....

A person who wishes to appeal to the Interior Board of Land Appeals must file in the office of the officer who made the decision (not the Interior Board of Land Appeals) a notice that he wishes to appeal. A person served with the decision being appealed must transmit the *Notice of Appeal* in time for it to be filed in the office where it is required to be filed within 30 days after the date of service. If a decision is published in the FEDERAL REGISTER, a person not served with the decision must transmit a *Notice of Appeal* in time for it to be filed within 30 days after the date of publication (43 CFR 4.411 and 4.413).

2. WHERE TO FILE

NOTICE OF APPEAL.....
Needles Field Office, Attn: Field Manager
1303 South U.S. Highway 95
Needles, CA 92363

WITH COPY TO SOLICITOR...
U.S. Department of the Interior
Pacific Southwest Region, Attn: Regional Solicitor
2800 Cottage Way, Room E-1712
Sacramento, CA 95825-1890

3. STATEMENT OF REASONS

Within 30 days after filing the *Notice of Appeal*, file a complete statement of the reasons why you are appealing. This must be filed with the United States Department of the Interior, Office of Hearings and Appeals, Interior Board of Land Appeals, 801 N. Quincy Street, MS 300-QC, Arlington, Virginia 22203. If you fully stated your reasons for appealing when filing the *Notice of Appeal*, no additional statement is necessary (43 CFR 4.412 and 4.413).

WITH COPY TO SOLICITOR.....
U.S. Department of the Interior
Pacific Southwest Region, Attn: Regional Solicitor
2800 Cottage Way, Room E-1712
Sacramento, CA 95825-1890

4. ADVERSE PARTIES.....

Within 15 days after each document is filed, each adverse party named in the decision and the Regional Solicitor or Field Solicitor having jurisdiction over the State in which the appeal arose must be served with a copy of: (a) the *Notice of Appeal*, (b) the Statement of Reasons, and (c) any other documents filed (43 CFR 4.413).

5. PROOF OF SERVICE.....

Within 15 days after any document is served on an adverse party, file proof of that service with the United States Department of the Interior, Office of Hearings and Appeals, Interior Board of Land Appeals, 801 N. Quincy Street, MS 300-QC, Arlington, Virginia 22203. This may consist of a certified or registered mail "Return Receipt Card" signed by the adverse party (43 CFR 4.401(c)).

6. REQUEST FOR STAY.....

Except where program-specific regulations place this decision in full force and effect or provide for an automatic stay, the decision becomes effective upon the expiration of the time allowed for filing an appeal unless a petition for a stay is timely filed together with a *Notice of Appeal* (43 CFR 4.21). If you wish to file a petition for a stay of the effectiveness of this decision during the time that your appeal is being reviewed by the Interior Board of Land Appeals, the petition for a stay must accompany your *Notice of Appeal* (43 CFR 4.21 or 43 CFR 2801.10 or 43 CFR 2881.10). A petition for a stay is required to show sufficient justification based on the standards listed below. Copies of the *Notice of Appeal* and Petition for a Stay must also be submitted to each party named in this decision and to the Interior Board of Land Appeals and to the appropriate Office of the Solicitor (43 CFR 4.413) at the same time the original documents are filed with this office. If you request a stay, you have the burden of proof to demonstrate that a stay should be granted.

Standards for Obtaining a Stay. Except as otherwise provided by law or other pertinent regulations, a petition for a stay of a decision pending appeal shall show sufficient justification based on the following standards: (1) the relative harm to the parties if the stay is granted or denied, (2) the likelihood of the appellant's success on the merits, (3) the likelihood of immediate and irreparable harm if the stay is not granted, and (4) whether the public interest favors granting the stay.

Unless these procedures are followed, your appeal will be subject to dismissal (43 CFR 4.402). Be certain that **all** communications are identified by serial number of the case being appealed.

NOTE: A document is not filed until it is actually received in the proper office (43 CFR 4.401(a)). See 43 CFR Part 4, Subpart B for general rules relating to procedures and practice involving appeals.

(Continued on page 2)

43 CFR SUBPART 1821--GENERAL INFORMATION

Sec. 1821.10 Where are BLM offices located? (a) In addition to the Headquarters Office in Washington, D.C. and seven national level support and service centers, BLM operates 12 State Offices each having several subsidiary offices called Field Offices. The addresses of the State Offices can be found in the most recent edition of 43 CFR 1821.10. The State Office geographical areas of jurisdiction are as follows:

STATE OFFICES AND AREAS OF JURISDICTION:

Alaska State Office ---------- Alaska
Arizona State Office --------- Arizona
California State Office ------- California
Colorado State Office ------- Colorado
Eastern States Office --------- Arkansas, Iowa, Louisiana, Minnesota, Missouri and, all States east of the Mississippi River
Idaho State Office ---------- Idaho
Montana State Office --------- Montana, North Dakota and South Dakota
Nevada State Office ---------- Nevada
New Mexico State Office ---- New Mexico, Kansas, Oklahoma and Texas
Oregon State Office ---------- Oregon and Washington
Utah State Office ---------- Utah
Wyoming State Office -------- Wyoming and Nebraska

(b) A list of the names, addresses, and geographical areas of jurisdiction of all Field Offices of the Bureau of Land Management can be obtained at the above addresses or any office of the Bureau of Land Management, including the Washington Office, Bureau of Land Management, 1849 C Street, NW, Washington, DC 20240.

Exhibit 14

CIVIL-1 CBO Approval
Conditions of Certification
CIVIL -1

Rudy, Holly

From: susan.coddington-allen@us.bureauveritas.com
Sent: Monday, May 21, 2012 11:34 AM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas; Klinger, Judith L; Ivanpah CBO; Brol, Michael; Smith, Shayne
Cc: steve.hermsmeyer@us.bureauveritas.com; barbara.tomajic@us.bureauveritas.com; gloria.cochran@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com; keith.long@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-01419 - CBO Submittal Package – CIVIL-1-7.01X5 - General Information - PC1 - Approved
Attachments: 2D733802.jpg

Follow Up Flag: Follow up
Flag Status: Completed

Hello,

The Ivanpah submittal, CIVIL-1-7.01X5 - General Information - PC1, has been reviewed and approved. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,

Susan Coddington-Allen
CBO Project Coordinator– Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle #150
Sacramento, CA 95834
P: 916.514.4510
F: 916.617.2068
susan.coddington-allen@us.bureauveritas.com
www.us.Bureauveritas.com/energyusa
ISO 9001:2000 Certified

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Exhibit 15

MECH-1 & MECH-3 CBO APPROVALS
CONDITIONS OF CERTIFICATION
MECH-1 7 MECH-3

Rudy, Holly

From: susan.coddington-allen@us.bureauveritas.com
Sent: Monday, May 21, 2012 2:52 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas; Klinger, Judith L; Ivanpah CBO; Brol, Michael; Smith, Shayne
Cc: steve.hermsmeyer@us.bureauveritas.com; barbara.tomajic@us.bureauveritas.com; gloria.cochran@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com; keith.long@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-01420 - CBO Submittal Package – MECH-1-1.40 - Unit 1, 2 and 3 General Arrangements - PC1 - Reference Only
Attachments: 2E724935.jpg

Follow Up Flag: Follow up
Flag Status: Completed

Hello,

The Ivanpah submittal, MECH-1-1.40 - Unit 1, 2 and 3 General Arrangements - PC1, has been reviewed and deemed Reference Only. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,

Susan Coddington-Allen
CBO Project Coordinator– Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle #150
Sacramento, CA 95834
P: 916.514.4510
F: 916.617.2068
susan.coddington-allen@us.bureauveritas.com
www.us.Bureauveritas.com/energyusa
ISO 9001:2000 Certified

Exhibit 16

STRUC-1 CBO APPROVALS
CONDITIONS OF CERTIFICATION
STRUC-1

Rudy, Holly

From: susan.coddington-allen@us.bureauveritas.com
Sent: Wednesday, May 23, 2012 3:14 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas; Klinger, Judith L; Ivanpah CBO; Brol, Michael; Smith, Shayne
Cc: steve.hermsmeyer@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; barbara.tomajic@us.bureauveritas.com; gloria.cochran@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com; keith.long@us.bureauveritas.com
Subject: Ivanpah – STRUC-1-10.08X1 - Arch Submittal for the Plant Services Bldg - PC2 - Approved
Attachments: 2A626635.jpg

Follow Up Flag: Follow up
Flag Status: Completed

Hello,

The Ivanpah submittal, STRUC-1-10.08X1 - Arch Submittal for the Plant Services Bldg - PC2, has been reviewed and approved. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,

Susan Coddington-Allen
CBO Project Coordinator– Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle #150
Sacramento, CA 95834
P: 916.514.4510
F: 916.617.2068
susan.coddington-allen@us.bureauveritas.com
www.us.Bureauveritas.com/energyusa
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Exhibit 17

ELEC-1 CBO APPROVALS
CONDITIONS OF CERTIFICATION
ELEC-1

Ivanpah Solar Electric Generation Facility

Major Electrical Equipment Energization (ELEC-1)

Unit	Equipment	Energization Date
1	Station Service Transformer (SST) 1-ES-ET-001	April 30, 2012
1	4.16 KV Essential Services Switchgear 1-ES-ES-3111A	April 30, 2012
1	4.16 KV Switchgear 1-ES-ES-3111B	April 30, 2012
1	4.16 KV Vacuum circuit breaker incomer from SST, 1-ES-ES-3111A-06	April 30, 2012
1	4.16 KV Vacuum circuit breaker tie breaker, 1-ES-ES-3111B-07	April 30, 2012
1	33 KV Pad Mounted Switchgear & Cables	April 30, 2012
1	Permanent Plant DC system	April 30, 2012
1	480 V Motor Control Center	April 30, 2012

Rudy, Holly

From: susan.coddington-allen@us.bureauveritas.com
Sent: Wednesday, May 23, 2012 11:31 AM
To: Rudy, Holly
Cc: barbara.tomajic@us.bureauveritas.com; gloria.cochran@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: Ivanpah – ELEC-1-10.46X1 - 115kv Switchyard Underground Raceway Plan - PC1 - Approved
Attachments: 2F728797.jpg

Follow Up Flag: Follow up
Flag Status: Flagged

Hello,

The Ivanpah submittal, ELEC-1-10.46X1 - 115kv Switchyard Underground Raceway Plan - PC1 was been reviewed and approved on March 6, 2012. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,

Susan Coddington-Allen
CBO Project Coordinator– Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle #150
Sacramento, CA 95834
P: 916.514.4510
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Rudy, Holly

From: susan.coddington-allen@us.bureauveritas.com
Sent: Wednesday, May 23, 2012 11:33 AM
To: Rudy, Holly
Cc: barbara.tomajic@us.bureauveritas.com; gloria.cochran@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: Ivanpah – SELEC-1-10.48X1 - Solar Field Standard Trenching Details - PC1 - Approved
Attachments: 2D235608.jpg

Follow Up Flag: Follow up
Flag Status: Flagged

Hello,

The Ivanpah submittal, ELEC-1-10.48X1 - Solar Field Standard Trenching Details - PC1, was reviewed and approved on March 19, 2012. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,

Susan Coddington-Allen
CBO Project Coordinator– Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle #150
Sacramento, CA 95834
P: 916.514.4510
F: 916.617.2068
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Rudy, Holly

From: susan.coddington-allen@us.bureauveritas.com
Sent: Tuesday, May 22, 2012 6:01 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas; Klinger, Judith L; Ivanpah CBO; Brol, Michael; Smith, Shayne
Cc: steve.hermsmeyer@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; barbara.tomajic@us.bureauveritas.com; gloria.cochran@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com; keith.long@us.bureauveritas.com
Subject: Ivanpah – ELEC-1-14.02X1 - Electrical Submittal for the Plant Services Building - PC1 - Approved
Attachments: 1E162948.jpg

Follow Up Flag: Follow up
Flag Status: Completed

Hello,

The Ivanpah submittal, ELEC-1-14.02X1 - Electrical Submittal for the Plant Services Building - PC1, has been reviewed and approved. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,

Susan Coddington-Allen
CBO Project Coordinator– Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle #150
Sacramento, CA 95834
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Rudy, Holly

From: susan.coddington-allen@us.bureauveritas.com
Sent: Tuesday, May 22, 2012 7:55 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas; Klinger, Judith L; Ivanpah CBO; Brol, Michael; Smith, Shayne
Cc: steve.hermsmeyer@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; barbara.tomajic@us.bureauveritas.com; gloria.cochran@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com; keith.long@us.bureauveritas.com
Subject: Ivanpah –ELEC-1-14.03X1 - Electrical Submittal for Admin Bldg - PC1 - Approved
Attachments: 13450873.jpg

Follow Up Flag: Follow up
Flag Status: Flagged

Hello,

The Ivanpah submittal, ELEC-1-14.03X1 - Electrical Submittal for Admin Bldg - PC1, has been reviewed and approved. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,

Susan Coddington-Allen
CBO Project Coordinator– Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle #150
Sacramento, CA 95834
P: 916.514.4510
F: 916.617.2068
susan.coddington-allen@us.bureauveritas.com
www.us.Bureauveritas.com/energyusa
ISO 9001:2000 Certified

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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Thursday, May 03, 2012 5:27 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas; Klinger, Judith L; Ivanpah CBO; Brol, Michael; Smith, Shayne
Cc: terry.vosler@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com; shamica.zenn@us.bureauveritas.com; barbara.tomajic@us.bureauveritas.com; gloria.cochran@us.bureauveritas.com; susan.coddington-allen@us.bureauveritas.com; keith.long@us.bureauveritas.com; steve.hermsmeyer@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-01269 - CBO Submittal Package – ELEC-1-1.10 - Unit 1 Electrical Phasing Diagram - PC1 - Approved
Attachments: 1F583799.jpg

Follow Up Flag: Follow up
Flag Status: Completed

Hello,

The Ivanpah submittal " ELEC-1-1.10 - Unit 1 Electrical Phasing Diagram - PC1 ," has been reviewed and approved. The documents are located on BVnet under the respective title. Feel free to contact me with any questions.

Thank you.

Christy Pinney
Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle, Suite 150
Sacramento, CA 95834
P: 916.617.2028
F: 916.617.2068
D: 916.514.4532
christy.pinney@us.bureauveritas.com
www.us.bureauveritas.com

ISO 9001:2000 Certified

Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Thursday, May 03, 2012 11:47 AM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas; Klinger, Judith L; Ivanpah CBO; Brol, Michael; Smith, Shayne
Cc: terry.vosler@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com; shamica.zenn@us.bureauveritas.com; barbara.tomajic@us.bureauveritas.com; gloria.cochran@us.bureauveritas.com; susan.coddington-allen@us.bureauveritas.com; keith.long@us.bureauveritas.com; steve.hermsmeyer@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-01266 - CBO Submittal Package – ELEC-1-3.28 - Grounding Plan Switchyard Area Unit 3 - PC1 - Approved
Attachments: 1D229560.jpg

Follow Up Flag: Follow up
Flag Status: Completed

Hello,

The Ivanpah submittal " ELEC-1-3.28 - Grounding Plan Switchyard Area Unit 3 - PC1 ," has been reviewed and approved. The documents are located on BVnet under the respective title. Feel free to contact me with any questions.

Thank you.

Christy Pinney
Power & Utilities
Bureau Veritas North America, Inc.
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Sacramento, CA 95834
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F: 916.617.2068
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christy.pinney@us.bureauveritas.com
www.us.bureauveritas.com

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Exhibit 19

TSE-5 CBO APPROVALS
CONDITIONS OF CERTIFICATION
TSE-5

Rudy, Holly

From: susan.coddington-allen@us.bureauveritas.com
Sent: Wednesday, May 23, 2012 3:17 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas; Klinger, Judith L; Ivanpah CBO; Brol, Michael; Smith, Shayne
Cc: steve.hermsmeyer@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; barbara.tomajic@us.bureauveritas.com; gloria.cochran@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: Ivanpah – TSE-5-6.02X1 - Plant 115kV Switchyard Electrical Design - PC2 - Approved
Attachments: 29654973.jpg

Follow Up Flag: Follow up
Flag Status: Flagged

Hello,

The Ivanpah submittal, TSE-5-6.02X1 - Plant 115kV Switchyard Electrical Design - PC2, has been reviewed and approved. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,

Susan Coddington-Allen
CBO Project Coordinator– Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle #150
Sacramento, CA 95834
P: 916.514.4510
F: 916.617.2068
susan.coddington-allen@us.bureauveritas.com
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Exhibit 18

GEN-5 & GEN-6 CBO APPROVALS
CONDITIONS OF CERTIFICATION
GEN-5 & GEN-6

Rudy, Holly

From: susan.coddington-allen@us.bureauveritas.com
Sent: Tuesday, May 22, 2012 12:10 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas; Klinger, Judith L; Ivanpah CBO; Brol, Michael; Smith, Shayne
Cc: steve.hermsmeyer@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; barbara.tomajic@us.bureauveritas.com; gloria.cochran@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com; keith.long@us.bureauveritas.com
Subject: Ivanpah – GEN-6-1.20 - Special Inspector Concrete Construction (Section 1704.4) Hickey II - PC2 - Approved
Attachments: 30080092.jpg

Follow Up Flag: Follow up
Flag Status: Completed

Hello,

The Ivanpah submittal, GEN-6-1.20 - Special Inspector Concrete Construction (Section 1704.4) Hickey II - PC2, has been reviewed and approved. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,

Susan Coddington-Allen
CBO Project Coordinator– Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle #150
Sacramento, CA 95834
P: 916.514.4510
F: 916.617.2068
susan.coddington-allen@us.bureauveritas.com
www.us.Bureauveritas.com/energyusa
ISO 9001:2000 Certified

Rudy, Holly

From: susan.coddington-allen@us.bureauveritas.com
Sent: Wednesday, May 23, 2012 11:36 AM
To: Rudy, Holly
Cc: barbara.tomajic@us.bureauveritas.com; gloria.cochran@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: Ivanpah – GEN-5-1.47 - Resp Elec Engr - Permanent Tower Elevator - PC1 - Approved
Attachments: 2C931880.jpg

Follow Up Flag: Follow up
Flag Status: Flagged

Hello,

The Ivanpah submittal, GEN-5-1.47 - Resp Elec Engr - Permanent Tower Elevator - PC1, was reviewed and approved on March 12, 2012. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,

Susan Coddington-Allen
CBO Project Coordinator– Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle #150
Sacramento, CA 95834
P: 916.514.4510
F: 916.617.2068
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Exhibit 19

TSE-5 CBO APPROVALS
CONDITIONS OF CERTIFICATION
TSE-5

Rudy, Holly

From: susan.coddington-allen@us.bureauveritas.com
Sent: Wednesday, May 23, 2012 3:17 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas; Klinger, Judith L; Ivanpah CBO; Brol, Michael; Smith, Shayne
Cc: steve.hermsmeyer@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; barbara.tomajic@us.bureauveritas.com; gloria.cochran@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: Ivanpah – TSE-5-6.02X1 - Plant 115kV Switchyard Electrical Design - PC2 - Approved
Attachments: 29654973.jpg

Follow Up Flag: Follow up
Flag Status: Flagged

Hello,

The Ivanpah submittal, TSE-5-6.02X1 - Plant 115kV Switchyard Electrical Design - PC2, has been reviewed and approved. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,

Susan Coddington-Allen
CBO Project Coordinator– Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle #150
Sacramento, CA 95834
P: 916.514.4510
F: 916.617.2068
susan.coddington-allen@us.bureauveritas.com
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Exhibit 20

Monthly Construction Safety Summary
Condition of Certification Worker Safety - 3

Condition of Certification Worker Safety- 3
May 2012 Construction Safety Summary

- Safety Statistics

	Bechtel			Subcontractor			Total		
	First-Aid	Recordable (excl LT)	Lost Time	First-Aid	Recordable (excl LT)	Lost Time	First-Aid	Recordable (excl LT)	Lost Time
Current Month	35	2	0	0	1	0	35	3	0
Year to Date	82	7	0	0	1	0	82	8	0
Inception To Date	194	16	1	6	4	0	200	20	1

- Safety Performance Data
  - Experience Modification Rate 2011: 0.72
  - Month Recordable Incident Rate (RIR): 1.54
  - Inception to date Recordable Incident Rate (RIR): 1.66
  - RIR Severity Rate: 58.17
  - Days away from work rate (DAWR): 0.08
  - DAWR Severity Rate: 0.50
  - Near-miss count: 134

  Through the end of May, the project has achieved over 2 million manhours without a lost time incident.

- Summary of OSHA Recordable and/or Lost Time Incidents:
  - May 05, 2012 – A Bechtel Boilermaker was working at Unit 2 in the boiler section and had his leg pinched between a pipe that swung in to him and the pipe that he was standing beside. The employee sustained a contusion which resulted in restricted work duties and prescription medication.
  - May 17, 2012 – A subcontractor employee of Elemental Energy was unloading 20' pieces of 5" pvc pipe from a truck with two coworkers. When the pipe shifted from the headache rack of the truck it fell resulting in the employee's index finger being pinched between the pvc pipe and the bed of the truck. The employee sustained a tuft fracture and required sutures.
  - May 31, 2012 – A Bechtel Laborer was placing concrete at Unit 2. The employee was in a kneeling position attempting to fill a plastic bucket from the concrete bucket. The concrete bucket swung and contacted the employee in the hardhat. The employee received prescription medication and work restrictions.

- Work Completed
  - Project Environmental Safety and Health (ES&H) orientation and Work Environmental Awareness Program (WEAP) training was conducted on five occasions during the month of May for a total of 386 personnel.

- Fall protection, scaffold user, confined space, and aerial lift training was conducted for newly hired Bechtel Craft and subcontractor personnel as required.
- First aid, CPR, AED training conducted
- Hexavalent Chromium Awareness training conducted
- Conducted bi-weekly Zero Accident Team meetings and walk downs
- Conducted People Based Safety Meetings and observation team members performed observations
- Conducted annual refresher WEAP and ES&H orientation on a weekly basis
- Conducted Safety Engagement Workshops
- Conducted Supervisor Safety Training
- Provided guidance to craft safety stewards
- Provided fire watch training to craft personnel
- Conducted Emergency Drill at Unit 2
- Bulletin boards posted at each unit for posting ES&H information.
- Provided awareness training to Unit 1 craft for Start-Up tagging system. Posted information at each unit for awareness.
- Identified additional emergency response team members.
- Provided First-Aid/CPR/AED training to electrical workers.

- Work In Progress
  - Continue Safety Engagement Workshops
  - Plan for emergency drill to be conducted in June
  - Continue Supervisor Safety Interview Process
- Work to be Started Next Period
  - Provide training for the use of rescue equipment in the tower for night shift personnel.
  - Post new ES&H banners throughout job site.
  - Provide additional training for application of tool tether attachment points.

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 02, 2012/1630	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On May 02, 2012 around 1450, Lorie Palkow was conducting a walk down of the administration building when she noticed a spot of oil on the ground. The oil was most likely from a Fullmer vehicle parking in the area or a lift operating in the area, therefore, Fullmer took responsibility for the spill. The impacted soil was removed and placed in a 55 gallon drum for disposal.

Location Of Incident: Common West Administration Building	**Date/Time of Release**: May 02, 2012/1450
Personnel/ Subcontractor Involved: Fullmer	**Date/Time Release Stopped:** May 02, 2012/ Immediately
Containment: Soil impacted with oil was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Unknown oil **Total Amount Released (units):** Less than 16 ounces
Date/Time Construction Environmental Lead Notified: May 02, 2012/1450 **Person Contacted:** NA **Notes**: Spill was discovered by Lorie Palkow	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil impacted with oil was removed and placed in a 55 gallon drum for disposal.

Measures to Prevent Recurrence: Exact cause is unknown; however, subcontractors should be inspecting their work areas and reporting such issues when discovered.

Oil Spot

Area After Clean Up

FILTER RECYCLING
SERVICES INC

www.filterrecycling.com

P.O. Box 449
Colton, CA 92324-0449
Toll Free: 1-800-698.4377
Phone: 909.873.4141 · Fax: 909.873.4142
"PRESERVING OUR NATURAL RESOURCES"

DATE 5·18·12	INVOICE NUMBER 158581
CUSTOMER NUMBER	

CUSTOMER NAME	PHONE NO.	BILL TO Fullmer Construction	PHONE NO.
ADDRESS		BILLING ADDRESS 1725 Grove	
CITY / STATE / ZIP		CITY / STATE / ZIP Ontario, CA	

SALES REP.	SITE CONTACT	C.O.D.	ON ACCOUNT	PURCHASE ORDER NO.	BILLING CONTACT	REQUESTED BY
JB		X				

QUANTITY	MATERIAL DESCRIPTION	MANIFEST NO.	UNIT PRICE	TOTAL PRICE
2 sm BA	Fullmer - Dirt & Oil	NH 158581	$35/ea	$ 70
A 15% Environmental / Energy & Securities charge applies to all invoice totals.				10.50

FACILITY NAME	**Filter Recycling Services, Inc.**	DRIVER START TIME: X 1015
ADDRESS	**180 West Monte Avenue**	TIME LEFT YARD:
	Bloomington, CA 92316	JOB START TIME:
EPA ID NUMBER	**CAD982444481**	JOB END TIME:
DRIVER'S SIGNATURE X		DRIVER END TIME: X 16.35

It is the generator's responsibility to correctly identify chemical composition.
If material is rejected by disposal site, generator agrees to pay all testing, disposal & transportation charges.
Invoice is subject to a 1.5% interest rate on past due amount.
Your signature below acknowledges that you have read the state required notifications on the back of this document.

		SUB TOTAL	
RECEIVED BY:	PRINT NAME	**TOTAL ➡**	

The Profile Approval # and/or a copy of this profile must accompany each shipment

When completed, please Fax to (909) 421-7103	Profile Acceptance #
Filter Recycling Services, Inc.	Date: 5-18-12
P.O. Box 449 - Colton, California 92324	Authorized By:

A. Generator Information	○ *Household*	○ *CESQG*	*Check if applicable*	*B. FRS Sales Representative:*
Generator Name: Fullmer Construction		Mailing/Manifest Address:		Name:
Site Address: 100302 Yates Well Rd		1725 GROVE		Phone:
City, State, Zip: MIPTON CA 92364		ONTARIO CA 91762		*C. Broker Information:*
U.S. E.P.A. ID #:		S.I.C. Code: 5214		Name:
Technical Contact: TODD BROWN		Title: SAFETY MANAGER		Address:
Phone Number: 909 680 5547		Fax Number: 909 947 6427		Contact:
Name of Waste: Dirt / oil				Phone:
Process Generating the Waste: Leak onto Ground				Fax:

ATTACH ANY MSDS and ANALYTICAL THAT HAS BEEN PERFORMED

D. Characteristics

Color	*Odor*	*Physical State @ 70**	*Layers*
	● None	○ Liquid	○ Multi-layered
BTU/LB	○ Mild	○ Semi-Solid	○ Bi-layered
	○ Strong	● Solid	● Single Layered

Flash Point		*Density*		*Free Liquids*
○ < 70° F	○ 140 – 200° F	Lbs/Gal		● No
○ 70-100° F	● No Flash	Lbs/Ft		~~Yes~~ TB
○ 101-139° F	Exact	API Gravity		%

E. Metals ● None ○ TTLC mg/kg ○ STLC mg/l ○ TCLP mg/l

Arsenic		Selenium		Nickel	
Barium		Silver		Thallium	
Benzene		Asbestos		Vanadium	
Cadmium		Beryllium		Zinc	
Chromium		Cobalt		Cyanides	
Lead		Copper		Pesticides	
Mercury		Molybdenum			

pH Range

○ ≤ 2.
○ 2.1 - 4
○ 4.1 - 10
○ 10.1 - 12.4
○ ≥ 12.5
○ Exact

F. Physical/Chemical Composition

Dirt	95-97	%
Hydraulic Oil	5-3	%
		%
		%
		%
		%
TOTAL (should = 100%)		%

G. Shipping Information

Proper Shipping Name: Non Hazardous Waste Solid

Hazard Class | UN/NA #: | PG:

State Code: | EPA Code:

RCRA Hazardous Yes ○ No ○ | CERCLA Yes ○ No ○

○ This waste is exempt from RCRA regulations, UST Remediation, per 40 CFR 261.4(b)(10)

○ This waste is excluded from RCRA regulations, Commercial Chemical Product, per 40 CFR 261.2(c)(2)(ii)

Volume: ○ One-Time

○ *Bulk Liquids*	○ *Bulk Solids*	○ *Drum(s)*	Drums	Boxes/ Sacks	○ Monthly
Method of Shipment		2	Gallons	Yards	○ Annually

H. Special Handling Information:

Generator or signatory below, of this waste, certifies that the information above is true and accurate and that the determination of this waste stream was derived by state certified analysis and/or generator knowledge. If the physical or chemical composition of the waste changes, the generator will notify Filter Recycling Services Inc. prior to shipment. The generator and signatory below are solely responsible for all cost(s) associated with the proper disposal of any material delivered to Filter Recycling Services, Inc.

Signature:	*Printed Name:* Todd Brown	*Title:* SAFETY MANAGER	*Date:* 5/18/2012

Revised 11/09/2011

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number	2. Page 1 of 1	3. Emergency Response Phone 1-800-424-9300	4. Waste Tracking Number NH 158581

GENERATOR

5. Generator's Name and Mailing Address: Fullmer Construction
1725 Grove
Ontario, CA 91765
Generator's Phone: 909-680-9547

Generator's Site Address (if different than mailing address)
100302 1/9 tes Well Rd
Nipton, CA 92364

6. Transporter 1 Company Name: Fullmer Construction — U.S. EPA ID Number:

7. Transporter 2 Company Name — U.S. EPA ID Number:

8. Designated Facility Name and Site Address — U.S. EPA ID Number
Filter Recycling Services, Inc.
180 W. Monte Ave, Bloomington, CA 92316
Facility's Phone: 909-421-2012
CAD982444481

	9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.	
1.	Non Hazardous Waste Solid (Dirt/ Oil)	2	BA	5 [illegible]	P	
2.						
3.						
4.						

13. Special Handling Instructions and Additional Information: Wear appropriate personal protective equipment — Bill To:
Invoice# 158581
9b1) Dirt/ Oil Profile#
9b2) Profile#
9b3) Profile#
9b4) Profile#
Emergency Response CHEMTREC 1-800-424-9300 CCN#000332
2 SM BA

14. **GENERATOR'S/OFFEROR'S CERTIFICATION:** I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: OBO FULLMER/TODD BROWN — Signature — Month 05 Day 18 Year 12

INT'L

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

TRANSPORTER

16. Transporter Acknowledgment of Receipt of Materials

Transporter 1 Printed/Typed Name: FULLMER — Signature — Month 05 Day 18 Year 12

Transporter 2 Printed/Typed Name — Signature — Month Day Year

DESIGNATED FACILITY

17. Discrepancy

17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number
Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a

Printed/Typed Name: Steven Masters — Signature — Month 5 Day 18 Year 12

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 07, 2012/0945	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On May 04, 2012 around 0615, Cody Mowdy was notified that a light plant near the guard shack had experienced an oil leak. The impacted soil was removed and placed in a 55 gallon drum for disposal.

Location Of Incident: Near Guard Shack	**Date/Time of Release**: May 04, 2012/0615
Personnel/ Subcontractor Involved: Securitas	**Date/Time Release Stopped:** May 04, 2012/ Immediately
Containment: Soil impacted with oil was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Unknown oil **Total Amount Released (units):** Less than 0.5 gallons
Date/Time Construction Environmental Lead Notified: May 04, 2012/0615 **Person Contacted:** Cody Mowdy **Notes**:	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil impacted with oil was removed and placed in a 55 gallon drum for disposal.

Measures to Prevent Recurrence: Routine maintenance is the best preventative measure.

Oil Spill

Area After Clean Up

NON-HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAR000215400

Manifest Document No. 93301

2. Page 1 of 1

3. Generator's Name and Mailing Address
BECHTEL POWER CORP IVANPAH SOLOR ELECTRIC
PO BOX 19247
JEAN, NV 89019

4. Generator's Phone 415-768-8708

5. Transporter 1 Company Name: Starlite Reclamation Environmental Service

6. US EPA ID Number: CAR000148296

A. State Transporter's ID

B. Transporter 1 Phone ~~909-434-0480~~

7. Transporter 2 Company Name: INDUSTRIAL WASTE UTILIZATION

8. US EPA ID Number: CAD980585293

C. State Transporter's ID ~~909-984-9984~~

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
AA SYDCOL, LLC
1925 S. FACTOR AVE.
YUMA, AZ 85365

10. US EPA ID Number: AZR000501510

E. State Facility's ID

F. Facility's Phone 928-783-3676

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON-HAZARDOUS WASTE, SOLIDS	12	DM	6000	P
b. NON-HAZARDOUS WASTE, SOLIDS	1	DM	400	P
c. NON-RCRA HAZARDOUS WASTE, SOLIDS	5	DM	2000	P
d.				

G. Additional Descriptions for Materials Listed Above

A.) SOIL, OIL; Profile #S18420-SL1
B.) SOIL, ANTI-FREEZE; Profile #S18421-SL1
C.) SOIL W/ RUSTY WATER; Profile #S20361-SL1

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
100302 Yates Well Rd.
Nipton CA 92364

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date (Month / Day / Year)
Lorie Pallow	Lorie Pallow	5 / 10 / 12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)
Melissa Marks	[illegible]	5 / 10 / 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date (Month / Day / Year)

NON-HAZARDOUS WASTE

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 07, 2012/1300	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow
Incident Description: On May 07, 2012 around 0900, Lorie Palkow was notified that a Genie Lift working in Unit III had experienced a hydraulic leak. The equipment had experienced an O-ring failure. The impacted soil was removed and placed in a 55 gallon drum for disposal.	
Location Of Incident: Unit III Power Block	**Date/Time of Release**: May 07, 2012/0900
Personnel/ Subcontractor Involved: Bechtel	**Date/Time Release Stopped:** May 07, 2012/ Immediately
Containment: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Hydraulic Oil Product Number 273279 **Total Amount Released (units):** Less than 3 gallons
Date/Time Construction Environmental Lead Notified: May 07, 2012/0900 **Person Contacted:** Lorie Palkow **Notes**:	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.
Description of Corrective Action Taken: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.	
Measures to Prevent Recurrence: Routine maintenance is the best preventative measure.	

Hydraulic Spill

Hydraulic Spill

Hydraulic Spill

Area After Clean Up

Area After Clean Up

Area After Clean Up

Material Safety Data Sheet

[image]

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Chevron Rando HD ISO 68

Product Use: Hydraulic Oil

Product Number(s): 273279

Company Identification

Chevron Products Company

a division of Chevron U.S.A. Inc.

6001 Bollinger Canyon Rd.

San Ramon, CA 94583

United States of America

www.chevronlubricants.com

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

Product Information

email : lubemsds@chevron.com

Product Information: (800) LUBE TEK

MSDS Requests: (800) 414-6737

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT

Highly refined mineral oil (C15 - C50)	Mixture	90 - 100 %weight

SECTION 3 HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

Ingestion: Not expected to be harmful if swallowed.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

SECTION 5 FIRE FIGHTING MEASURES

Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. open flame, pilot lights, sparks, or electric arcs).

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

FLAMMABLE PROPERTIES:

Flashpoint: (Cleveland Open Cup) 150 °C (302 °F) (Min)

Autoignition: No Data Available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: DO NOT USE IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible

Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Yellow

Physical State: Liquid

Odor: Petroleum odor

pH: Not Applicable

Vapor Pressure: <0.01 mmHg @ 37.8 °C (100 °F)

Vapor Density (Air = 1): >1

Boiling Point: >315.6°C (600°F)

Solubility: Soluble in hydrocarbons; insoluble in water

Freezing Point: Not Applicable

Melting Point: Not Applicable

Specific Gravity: 0.86 - 0.87 @ 15.6°C (60.1°F) / 15.6°C (60.1°F)

Density: 0.86 kg/l - 0.9 kg/l @ 15°C (59°F)

Viscosity: 22 cSt - 61.2 cSt @ 40°C (104°F) (Min)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: No product toxicology data available.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

This material is not expected to be harmful to aquatic organisms. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

Additional Information:NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO TI OR IATA DGR

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES: 1. Immediate (Acute) Health Effects: NO

2. Delayed (Chronic) Health Effects: NO

3. Fire Hazard: NO

4. Sudden Release of Pressure Hazard: NO

5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1
01-2A=IARC Group 2A
01-2B=IARC Group 2B
02=NTP Carcinogen
03=EPCRA 313
04=CA Proposition 65
05=MA RTK
06=NJ RTK
07=PA RTK

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

One or more components is listed on ELINCS (European Union). Secondary notification by the importer may be required.

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Hydraulic oil)

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION 16 OTHER INFORMATION

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:

Label Category : INDUSTRIAL OIL 1 - IND1

REVISION STATEMENT: This is a new Material Safety Data Sheet.

Revision Date: December 04, 2008

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Chevron Energy Technology Company, 100 Chevron Way, Richmond, California 94802.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

NON-HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAR000215400

Manifest Document No. 93301

2. Page 1 of 1

3. Generator's Name and Mailing Address
BECHTEL POWER CORP IVANPAH SOLOR ELECTRIC
PO BOX 19247
JEAN, NV 89019

4. Generator's Phone 415-768-8708

5. Transporter 1 Company Name: Starlite Reclamation Environmental Service

6. US EPA ID Number: CAR000148296

A. State Transporter's ID

B. Transporter 1 Phone ~~909-434-0480~~

7. Transporter 2 Company Name: INDUSTRIAL WASTE UTILIZATION

8. US EPA ID Number: CAD980585293

C. State Transporter's ID ~~909-984-9984~~

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
AA SYDCOL, LLC
1925 S. FACTOR AVE.
YUMA, AZ 85365

10. US EPA ID Number: AZR000501510

E. State Facility's ID

F. Facility's Phone 928-783-3676

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON-HAZARDOUS WASTE, SOLIDS	12	DM	6000	P
b. NON-HAZARDOUS WASTE, SOLIDS	1	DM	400	P
c. NON-RCRA HAZARDOUS WASTE, SOLIDS	5	DM	2000	P
d.				

G. Additional Descriptions for Materials Listed Above

A.) SOIL, OIL; Profile #S18420-SL1
B.) SOIL, ANTI-FREEZE; Profile #S18421-SL1
C.) SOIL W/ RUSTY WATER; Profile #S20361-SL1

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
100302 Yates Well Rd.
Nipton CA 92364

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date (Month / Day / Year)
Lorie Pallow	Lorie Pallow	5 / 10 / 12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)
Melissa Marks	[illegible]	5 / 10 / 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date (Month / Day / Year)

NON-HAZARDOUS WASTE

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 07, 2012/1330	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow
Incident Description: On May 07, 2012 around 0915, Lorie Palkow was notified that there was a spill in Unit III. The iron workers were working in an area when they discovered some oil on the ground. The impacted soil was removed and placed in a 55 gallon drum for disposal.	
Location Of Incident: Unit III Power Block	**Date/Time of Release**: May 07, 2012/0915
Personnel/ Subcontractor Involved: Bechtel	**Date/Time Release Stopped:** May 07, 2012/ Immediately
Containment: Soil impacted with oil was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Unknown oil **Total Amount Released (units):** Less than 1 quart
Date/Time Construction Environmental Lead Notified: May 07, 2012/0915 **Person Contacted:** Lorie Palkow **Notes**:	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.
Description of Corrective Action Taken: Soil impacted with oil was removed and placed in a 55 gallon drum for disposal.	
Measures to Prevent Recurrence: Exact cause is unknown.	

Oil Spill

Area After Clean Up

NON-HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAR000215400

Manifest Document No. 93301

2. Page 1 of 1

3. Generator's Name and Mailing Address
BECHTEL POWER CORP IVANPAH SOLOR ELECTRIC
PO BOX 19247
JEAN, NV 89019

4. Generator's Phone 415-768-8708

5. Transporter 1 Company Name: Starlite Reclamation Environmental Service

6. US EPA ID Number: CAR000148296

A. State Transporter's ID

B. Transporter 1 Phone ~~909-434-0480~~

7. Transporter 2 Company Name: INDUSTRIAL WASTE UTILIZATION

8. US EPA ID Number: CAD980585293

C. State Transporter's ID ~~909-984-9984~~

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
AA SYDCOL, LLC
1925 S. FACTOR AVE.
YUMA, AZ 85365

10. US EPA ID Number: AZR000501510

E. State Facility's ID

F. Facility's Phone 928-783-3676

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON-HAZARDOUS WASTE, SOLIDS	12	DM	6000	P
b. NON-HAZARDOUS WASTE, SOLIDS	1	DM	400	P
c. NON-RCRA HAZARDOUS WASTE, SOLIDS	5	DM	2000	P
d.				

G. Additional Descriptions for Materials Listed Above

A.) SOIL, OIL; Profile #S18420-SL1
B.) SOIL, ANTI-FREEZE; Profile #S18421-SL1
C.) SOIL W/ RUSTY WATER; Profile #S20361-SL1

H. Handling Codes for Wastes Listed Above

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Nipton CA 92364

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date (Month / Day / Year)
Lorie Pallow	Lorie Pallow	5 / 10 / 12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)
Melissa Marks	[illegible]	5 / 10 / 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date (Month / Day / Year)

NON-HAZARDOUS WASTE

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 08, 2012/1400	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On May 08, 2012 around 1130, Lorie Palkow was notified that a forklift working near the HAB had experienced a hydraulic leak. The oil filter had been changed the previous day. When the equipment started leaking, it was discovered that an oil rag was left in the filter compartment so the compartment was not completely closed. The impacted soil was removed and placed in a 55 gallon drum for disposal.

Location Of Incident: HAB Area	**Date/Time of Release**: May 08, 2012/1130
Personnel/ Subcontractor Involved: Bechtel	**Date/Time Release Stopped:** May 08, 2012/ Immediately
Containment: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Hydraulic Oil Product Number 273279 **Total Amount Released (units):** Less than 8 ounces
Date/Time Construction Environmental Lead Notified: May 08, 2012/1130 **Person Contacted:** Lorie Palkow **Notes**:	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.

Measures to Prevent Recurrence: Individuals performing maintenance should ensure all tasks are performed completely and work area is properly cleaned up.

Hydraulic Spill

Area After Clean Up

Material Safety Data Sheet

[image]

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Chevron Rando HD ISO 68

Product Use: Hydraulic Oil

Product Number(s): 273279

Company Identification

Chevron Products Company

a division of Chevron U.S.A. Inc.

6001 Bollinger Canyon Rd.

San Ramon, CA 94583

United States of America

www.chevronlubricants.com

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

Product Information

email : lubemsds@chevron.com

Product Information: (800) LUBE TEK

MSDS Requests: (800) 414-6737

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT

Highly refined mineral oil (C15 - C50)	Mixture	90 - 100 %weight

SECTION 3 HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

Ingestion: Not expected to be harmful if swallowed.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

SECTION 5 FIRE FIGHTING MEASURES

Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. open flame, pilot lights, sparks, or electric arcs).

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

FLAMMABLE PROPERTIES:

Flashpoint: (Cleveland Open Cup) 150 °C (302 °F) (Min)

Autoignition: No Data Available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: DO NOT USE IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible

Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Yellow

Physical State: Liquid

Odor: Petroleum odor

pH: Not Applicable

Vapor Pressure: <0.01 mmHg @ 37.8 °C (100 °F)

Vapor Density (Air = 1): >1

Boiling Point: >315.6°C (600°F)

Solubility: Soluble in hydrocarbons; insoluble in water

Freezing Point: Not Applicable

Melting Point: Not Applicable

Specific Gravity: 0.86 - 0.87 @ 15.6°C (60.1°F) / 15.6°C (60.1°F)

Density: 0.86 kg/l - 0.9 kg/l @ 15°C (59°F)

Viscosity: 22 cSt - 61.2 cSt @ 40°C (104°F) (Min)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: No product toxicology data available.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

This material is not expected to be harmful to aquatic organisms. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

Additional Information:NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO TI OR IATA DGR

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES: 1. Immediate (Acute) Health Effects: NO

2. Delayed (Chronic) Health Effects: NO

3. Fire Hazard: NO

4. Sudden Release of Pressure Hazard: NO

5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1
01-2A=IARC Group 2A
01-2B=IARC Group 2B
02=NTP Carcinogen
03=EPCRA 313
04=CA Proposition 65
05=MA RTK
06=NJ RTK
07=PA RTK

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

One or more components is listed on ELINCS (European Union). Secondary notification by the importer may be required.

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Hydraulic oil)

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION 16 OTHER INFORMATION

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:

Label Category : INDUSTRIAL OIL 1 - IND1

REVISION STATEMENT: This is a new Material Safety Data Sheet.

Revision Date: December 04, 2008

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Chevron Energy Technology Company, 100 Chevron Way, Richmond, California 94802.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

NON-HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAR000215400

Manifest Document No. 93301

2. Page 1 of 1

3. Generator's Name and Mailing Address
BECHTEL POWER CORP IVANPAH SOLOR ELECTRIC
PO BOX 19247
JEAN, NV 89019

4. Generator's Phone 415-768-8708

5. Transporter 1 Company Name: Starlite Reclamation Environmental Service

6. US EPA ID Number: CAR000148296

A. State Transporter's ID

B. Transporter 1 Phone ~~909-434-0480~~

7. Transporter 2 Company Name: INDUSTRIAL WASTE UTILIZATION

8. US EPA ID Number: CAD980585293

C. State Transporter's ID ~~909-984-9984~~

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
AA SYDCOL, LLC
1925 S. FACTOR AVE.
YUMA, AZ 85365

10. US EPA ID Number: AZR000501510

E. State Facility's ID

F. Facility's Phone 928-783-3676

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON-HAZARDOUS WASTE, SOLIDS	12	DM	6000	P
b. NON-HAZARDOUS WASTE, SOLIDS	1	DM	400	P
c. NON-RCRA HAZARDOUS WASTE, SOLIDS	5	DM	2000	P
d.				

G. Additional Descriptions for Materials Listed Above

A.) SOIL, OIL; Profile #S18420-SL1
B.) SOIL, ANTI-FREEZE; Profile #S18421-SL1
C.) SOIL W/ RUSTY WATER; Profile #S20361-SL1

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
100302 Yates Well Rd.
Nipton CA 92364

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date (Month / Day / Year)
Lorie Pallow	Lorie Pallow	5 / 10 / 12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)
Melissa Marks	[illegible]	5 / 10 / 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date (Month / Day / Year)

NON-HAZARDOUS WASTE

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 08, 2012/1030	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On May 07, 2012 around 1650, Lorie Palkow was notified that there was some oil under a generator near the Administration Building. The leak was discovered while conducting a walk down of the area. The impacted soil was removed by night shift and placed in a 55 gallon drum for disposal.

Location Of Incident: Common Area Near Administration Building	**Date/Time of Release**: May 07, 2012/Exact time unknown
Personnel/ Subcontractor Involved: Bechtel	**Date/Time Release Stopped:** May 07, 2012/ Already stopped when discovered
Containment: Soil impacted with oil was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Unknown motor oil **Total Amount Released (units):** Less than 1 quart
Date/Time Construction Environmental Lead Notified: May 07, 2012/1650 **Person Contacted:** Lorie Palkow **Notes**: Rick Christopherson over saw the night shift clean up activities.	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil impacted with oil was removed and placed in a 55 gallon drum for disposal.

Measures to Prevent Recurrence: Routine maintenance is the best preventative measure.

Oil Spill

Oil Spill

Area After Clean Up

Area After Clean Up

NON-HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

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2. Page 1 of 1

3. Generator's Name and Mailing Address
BECHTEL POWER CORP IVANPAH SOLOR ELECTRIC
PO BOX 19247
JEAN, NV 89019

4. Generator's Phone 415-768-8708

5. Transporter 1 Company Name: Starlite Reclamation Environmental Service

6. US EPA ID Number: CAR000148296

A. State Transporter's ID

B. Transporter 1 Phone ~~909-434-0480~~

7. Transporter 2 Company Name: INDUSTRIAL WASTE UTILIZATION

8. US EPA ID Number: CAD980585293

C. State Transporter's ID ~~909-984-9984~~

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
AA SYDCOL, LLC
1925 S. FACTOR AVE.
YUMA, AZ 85365

10. US EPA ID Number: AZR000501510

E. State Facility's ID

F. Facility's Phone 928-783-3676

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON-HAZARDOUS WASTE, SOLIDS	12	DM	6000	P
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c. NON-RCRA HAZARDOUS WASTE, SOLIDS	5	DM	2000	P
d.				

G. Additional Descriptions for Materials Listed Above

A.) SOIL, OIL; Profile #S18420-SL1
B.) SOIL, ANTI-FREEZE; Profile #S18421-SL1
C.) SOIL W/ RUSTY WATER; Profile #S20361-SL1

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
100302 Yates Well Rd.
Nipton CA 92364

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date (Month / Day / Year)
Lorie Pallow	Lorie Pallow	5 / 10 / 12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)
Melissa Marks	[illegible]	5 / 10 / 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date (Month / Day / Year)

NON-HAZARDOUS WASTE

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 08, 2012/1200	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow
Incident Description: On May 08, 2012 around 0900, Lorie Palkow was conducting a walk down when she noticed a spot of oil on the ground. The impacted soil was removed and placed in a 55 gallon drum for disposal.	
Location Of Incident: Unit III Power Block	**Date/Time of Release**: May 08, 2012/exact time unknown
Personnel/ Subcontractor Involved: Unknown	**Date/Time Release Stopped:** May 08, 2012/ Already stopped when discovered
Containment: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Hydraulic Oil Product Number 273279 **Total Amount Released (units):** Less than 16 ounces
Date/Time Construction Environmental Lead Notified: May 08, 2012/0745 **Person Contacted:** NA **Notes**: Spill was discovered by Lorie Palkow	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.
Description of Corrective Action Taken: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.	
Measures to Prevent Recurrence: Exact cause unknown. Employee's should be taking their 2 minutes to assess their work areas prior to going to work and when leaving. Issues like these should be identified at that time.	

Oil Spot

Area After Clean Up

Material Safety Data Sheet

[image]

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Chevron Rando HD ISO 68

Product Use: Hydraulic Oil

Product Number(s): 273279

Company Identification

Chevron Products Company

a division of Chevron U.S.A. Inc.

6001 Bollinger Canyon Rd.

San Ramon, CA 94583

United States of America

www.chevronlubricants.com

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

Product Information

email : lubemsds@chevron.com

Product Information: (800) LUBE TEK

MSDS Requests: (800) 414-6737

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT

Highly refined mineral oil (C15 - C50)	Mixture	90 - 100 %weight

SECTION 3 HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

Ingestion: Not expected to be harmful if swallowed.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

SECTION 5 FIRE FIGHTING MEASURES

Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. open flame, pilot lights, sparks, or electric arcs).

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

FLAMMABLE PROPERTIES:

Flashpoint: (Cleveland Open Cup) 150 °C (302 °F) (Min)

Autoignition: No Data Available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: DO NOT USE IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible

Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Yellow

Physical State: Liquid

Odor: Petroleum odor

pH: Not Applicable

Vapor Pressure: <0.01 mmHg @ 37.8 °C (100 °F)

Vapor Density (Air = 1): >1

Boiling Point: >315.6°C (600°F)

Solubility: Soluble in hydrocarbons; insoluble in water

Freezing Point: Not Applicable

Melting Point: Not Applicable

Specific Gravity: 0.86 - 0.87 @ 15.6°C (60.1°F) / 15.6°C (60.1°F)

Density: 0.86 kg/l - 0.9 kg/l @ 15°C (59°F)

Viscosity: 22 cSt - 61.2 cSt @ 40°C (104°F) (Min)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: No product toxicology data available.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

This material is not expected to be harmful to aquatic organisms. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

Additional Information:NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO TI OR IATA DGR

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES: 1. Immediate (Acute) Health Effects: NO

2. Delayed (Chronic) Health Effects: NO

3. Fire Hazard: NO

4. Sudden Release of Pressure Hazard: NO

5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1
01-2A=IARC Group 2A
01-2B=IARC Group 2B
02=NTP Carcinogen
03=EPCRA 313
04=CA Proposition 65
05=MA RTK
06=NJ RTK
07=PA RTK

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

One or more components is listed on ELINCS (European Union). Secondary notification by the importer may be required.

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Hydraulic oil)

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION 16 OTHER INFORMATION

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:

Label Category : INDUSTRIAL OIL 1 - IND1

REVISION STATEMENT: This is a new Material Safety Data Sheet.

Revision Date: December 04, 2008

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Chevron Energy Technology Company, 100 Chevron Way, Richmond, California 94802.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

NON-HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAR000215400

Manifest Document No. 93301

2. Page 1 of 1

3. Generator's Name and Mailing Address
BECHTEL POWER CORP IVANPAH SOLOR ELECTRIC
PO BOX 19247
JEAN, NV 89019

4. Generator's Phone 415-768-8708

5. Transporter 1 Company Name: Starlite Reclamation Environmental Service

6. US EPA ID Number: CAR000148296

A. State Transporter's ID

B. Transporter 1 Phone ~~909-434-0480~~

7. Transporter 2 Company Name: INDUSTRIAL WASTE UTILIZATION

8. US EPA ID Number: CAD980585293

C. State Transporter's ID ~~909-984-9984~~

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
AA SYDCOL, LLC
1925 S. FACTOR AVE.
YUMA, AZ 85365

10. US EPA ID Number: AZR000501510

E. State Facility's ID

F. Facility's Phone 928-783-3676

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON-HAZARDOUS WASTE, SOLIDS	12	DM	6000	P
b. NON-HAZARDOUS WASTE, SOLIDS	1	DM	400	P
c. NON-RCRA HAZARDOUS WASTE, SOLIDS	5	DM	2000	P
d.				

G. Additional Descriptions for Materials Listed Above

A.) SOIL, OIL; Profile #S18420-SL1
B.) SOIL, ANTI-FREEZE; Profile #S18421-SL1
C.) SOIL W/ RUSTY WATER; Profile #S20361-SL1

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
100302 Yates Well Rd.
Nipton CA 92364

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date (Month / Day / Year)
Lorie Pallow	Lorie Pallow	5 / 10 / 12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)
Melissa Marks	[illegible]	5 / 10 / 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date (Month / Day / Year)

NON-HAZARDOUS WASTE

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 10, 2012/0915	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On May 09, 2012 around 1200, Lorie Palkow was notified that a hydraulic leak had occurred in Unit I. A vendor, Mini-Mobile, was delivering a conex to the power block. When the trucked pulled away, a Bechtel employee noticed a large puddle of oil on the ground and called in the spill. The cause of the spill is believed to be the hydraulic trailer used by the vendor. However, since the individual did not remain for reporting, this was not confirmed. The impacted soil was removed and placed in a 55 gallon drum for disposal.

Location Of Incident: Unit I Power Block	**Date/Time of Release**: May 09, 2012/1200
Personnel/ Subcontractor Involved: Mini-Mobile	**Date/Time Release Stopped:** May 09, 2012/ Immediately
Containment: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Hydraulic Oil Product Number 273279 **Total Amount Released (units):** Less than 2 gallons
Date/Time Construction Environmental Lead Notified: May 09, 2012/1200 **Person Contacted:** Lorie Palkow **Notes**:	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.

Measures to Prevent Recurrence: Exact cause is unknown. Vendors should inspect their trucks and trailers and ensure they are free of leaks prior to coming on site. In addition, they should report all spill issues that occur while on site. The vendor is being contacted regarding this issue.

Hydraulic Spill

Hydraulic Spill

Clean Up Activities

Area After Clean Up

Area After Clean Up

Material Safety Data Sheet

[image]

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Chevron Rando HD ISO 68

Product Use: Hydraulic Oil

Product Number(s): 273279

Company Identification

Chevron Products Company

a division of Chevron U.S.A. Inc.

6001 Bollinger Canyon Rd.

San Ramon, CA 94583

United States of America

www.chevronlubricants.com

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

Product Information

email : lubemsds@chevron.com

Product Information: (800) LUBE TEK

MSDS Requests: (800) 414-6737

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT

Highly refined mineral oil (C15 - C50)	Mixture	90 - 100 %weight

SECTION 3 HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

Ingestion: Not expected to be harmful if swallowed.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

SECTION 5 FIRE FIGHTING MEASURES

Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. open flame, pilot lights, sparks, or electric arcs).

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

FLAMMABLE PROPERTIES:

Flashpoint: (Cleveland Open Cup) 150 °C (302 °F) (Min)

Autoignition: No Data Available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: DO NOT USE IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible

Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Yellow

Physical State: Liquid

Odor: Petroleum odor

pH: Not Applicable

Vapor Pressure: <0.01 mmHg @ 37.8 °C (100 °F)

Vapor Density (Air = 1): >1

Boiling Point: >315.6°C (600°F)

Solubility: Soluble in hydrocarbons; insoluble in water

Freezing Point: Not Applicable

Melting Point: Not Applicable

Specific Gravity: 0.86 - 0.87 @ 15.6°C (60.1°F) / 15.6°C (60.1°F)

Density: 0.86 kg/l - 0.9 kg/l @ 15°C (59°F)

Viscosity: 22 cSt - 61.2 cSt @ 40°C (104°F) (Min)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: No product toxicology data available.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

This material is not expected to be harmful to aquatic organisms. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

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DOT Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

Additional Information:NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.

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ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO TI OR IATA DGR

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES: 1. Immediate (Acute) Health Effects: NO

2. Delayed (Chronic) Health Effects: NO

3. Fire Hazard: NO

4. Sudden Release of Pressure Hazard: NO

5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1
01-2A=IARC Group 2A
01-2B=IARC Group 2B
02=NTP Carcinogen
03=EPCRA 313
04=CA Proposition 65
05=MA RTK
06=NJ RTK
07=PA RTK

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

One or more components is listed on ELINCS (European Union). Secondary notification by the importer may be required.

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Hydraulic oil)

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION 16 OTHER INFORMATION

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:

Label Category : INDUSTRIAL OIL 1 - IND1

REVISION STATEMENT: This is a new Material Safety Data Sheet.

Revision Date: December 04, 2008

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
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API - American Petroleum Institute	MSDS - Material Safety Data Sheet
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DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Chevron Energy Technology Company, 100 Chevron Way, Richmond, California 94802.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

NON-HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAR000215400

Manifest Document No. 93301

2. Page 1 of 1

3. Generator's Name and Mailing Address
BECHTEL POWER CORP IVANPAH SOLOR ELECTRIC
PO BOX 19247
JEAN, NV 89019

4. Generator's Phone 415-768-8708

5. Transporter 1 Company Name: Starlite Reclamation Environmental Service

6. US EPA ID Number: CAR000148296

A. State Transporter's ID

B. Transporter 1 Phone ~~909-434-0480~~

7. Transporter 2 Company Name: INDUSTRIAL WASTE UTILIZATION

8. US EPA ID Number: CAD980585293

C. State Transporter's ID ~~909-984-9984~~

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
AA SYDCOL, LLC
1925 S. FACTOR AVE.
YUMA, AZ 85365

10. US EPA ID Number: AZR000501510

E. State Facility's ID

F. Facility's Phone 928-783-3676

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
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b. NON-HAZARDOUS WASTE, SOLIDS	1	DM	400	P
c. NON-RCRA HAZARDOUS WASTE, SOLIDS	5	DM	2000	P
d.				

G. Additional Descriptions for Materials Listed Above

A.) SOIL, OIL; Profile #S18420-SL1
B.) SOIL, ANTI-FREEZE; Profile #S18421-SL1
C.) SOIL W/ RUSTY WATER; Profile #S20361-SL1

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
100302 Yates Well Rd.
Nipton CA 92364

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date (Month / Day / Year)
Lorie Pallow	Lorie Pallow	5 / 10 / 12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)
Melissa Marks	[illegible]	5 / 10 / 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date (Month / Day / Year)

NON-HAZARDOUS WASTE

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 10, 2012/0740	**Name/ Title**: Lorie Palkow/CEL **Signature**: Lorie Palkow

Incident Description: On May 09, 2012 at approximately 1600, Lorie Palkow was notified of a diesel spill in Unit III. Ray Zamudio was fueling a generator when it over filled and sprayed out of the fuel tank. The impacted soil was removed and placed in a 55 gallon drum for proper disposal.

Location Of Incident: Unit III Power Block	**Date/Time of Release**: May 09, 2012/1600
Personnel/ Subcontractor Involved: Ray Zamudio/Bechtel	**Date/Time Release Stopped:** May 09, 2012/Already stopped when reported
Containment: Soil impacted with diesel was placed in a 55 gallon drum for proper disposal.	**Product ID or CAS Number:** Diesel 2 Product number CPS203410 **Total Amount Released (units):** 1 gallon
Date/Time Construction Environmental Lead Notified: May 09, 2012/1600 **Person Contacted:** Lorie Palkow **Notes**:	Was there any off-site impact with threat to human health and/or environment? **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil impacted with diesel was placed in a 55 gallon drum for proper disposal.

Measures to Prevent Recurrence: Fuel truck operators should monitor their equipment at all times during fueling and ensure that these type of incidents do not occur.

Diesel Spill Under Grating

Area After Clean Up

Material Safety Data Sheet

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

DIESEL FUEL No. 2

Product Use: Fuel
Product Number(s): CPS203410 [See Section 16 for Additional Product Numbers]
Synonyms: 15 S Diesel Fuel 2, Alternative Low Aromatic Diesel (ALAD), Calco LS Diesel 2, Calco ULS DF2, Calco ULS Diesel 2, Chevron LS Diesel 2, Chevron ULS Diesel 2, Diesel Fuel Oil, Diesel Grade No. 2, Diesel No. 2-D S15, Diesel No. 2-D S500, Diesel No. 2-D S5000, Distillates, straight run, Gas Oil, HS Diesel 2, HS Heating Fuel 2, Light Diesel Oil Grade No. 2-D, LS Diesel 2, LS Heating Fuel 2, Marine Diesel, RR Diesel Fuel, Texaco Diesel, Texaco Diesel No. 2, Ultra Low Sulfur Diesel 2
Company Identification
Chevron Products Company
Marketing, MSDS Coordinator
6001 Bollinger Canyon Road
San Ramon, CA 94583
United States of America

Transportation Emergency Response
CHEMTREC: (800) 424-9300 or (703) 527-3887
Health Emergency
Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623
Product Information
MSDS Requests: (800) 689-3998
Technical Information: (510) 242-5357

SPECIAL NOTES: This MSDS covers all Chevron and Calco non-CARB Diesel No. 2 Fuels. The sulfur content is less than 0.5% (mass). Red dye is added to non-taxable fuel. (MSDS 6894)

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT
Diesel Fuel No. 2	68476-34-6	100 %wt/wt
Distillates, hydrodesulfurized, middle	64742-80-9	0 - 100 %wt/wt
Distillates, straight run middle (gas oil, light)	64741-44-2	0 - 100 %wt/wt
Kerosine	8008-20-6	0 - 25 %wt/wt
Kerosine, hydrodesulfurized	64742-81-0	0 - 25 %wt/wt
Distillates (petroleum), light catalytic cracked	64741-59-9	0 - 50 %wt/wt
Naphthalene	91-20-3	0.02 - 0.2 %wt/wt
Total sulfur	None	0 - 0.5 %wt/wt

Information on ingredients that are considered Controlled Products and/or that appear on the WHMIS Ingredient Disclosure List (IDL) is provided as required by the Canadian Hazardous Products Act (HPA, Sections 13 and 14). Ingredients considered hazardous under the OSHA Hazard Communication Standard, 29 CFR 1910.1200,

are also listed. See Section 15 for additional regulatory information.

SECTION 3 HAZARDS IDENTIFICATION

****

EMERGENCY OVERVIEW

- COMBUSTIBLE LIQUID AND VAPOR
- HARMFUL OR FATAL IF SWALLOWED - MAY CAUSE LUNG DAMAGE IF SWALLOWED
- CAUSES SKIN IRRITATION
- MAY CAUSE CANCER BASED ON ANIMAL DATA

****

IMMEDIATE HEALTH EFFECTS
Eye: Not expected to cause prolonged or significant eye irritation.
Skin: Contact with the skin causes irritation. Skin contact may cause drying or defatting of the skin. Symptoms may include pain, itching, discoloration, swelling, and blistering. Contact with the skin is not expected to cause an allergic skin response. Not expected to be harmful to internal organs if absorbed through the skin.
Ingestion: Because of its low viscosity, this material can directly enter the lungs, if swallowed, or if subsequently vomited. Once in the lungs it is very difficult to remove and can cause severe injury or death. May be irritating to mouth, throat, and stomach. Symptoms may include pain, nausea, vomiting, and diarrhea.
Inhalation: Mists of this material may cause respiratory irritation. Symptoms of respiratory irritation may include coughing and difficulty breathing.

DELAYED OR OTHER HEALTH EFFECTS:
Cancer: Prolonged or repeated exposure to this material may cause cancer. Whole diesel engine exhaust has been classified as a Group 2A carcinogen (probably carcinogenic to humans) by the International Agency for Research on Cancer (IARC). Diesel exhaust particulate has been classified as reasonably anticipated to be a human carcinogen in the National Toxicology Program's Ninth Report on Carcinogens. The National Institute of Occupational Safety and Health (NIOSH) has recommended that whole diesel exhaust be regarded as potentially causing cancer. Diesel engine exhaust is known to the State of California to cause cancer. Contains naphthalene, which has been classified as a Group 2B carcinogen (possibly carcinogenic to humans) by the International Agency for Research on Cancer (IARC).
See Section 11 for additional information. Risk depends on duration and level of exposure.

SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.
Skin: Wash skin with water immediately and remove contaminated clothing and shoes. Get medical attention if any symptoms develop. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.
Ingestion: If swallowed, get immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.
Inhalation: Move the exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if breathing difficulties continue.
Note to Physicians: Ingestion of this product or subsequent vomiting may result in aspiration of light hydrocarbon liquid, which may cause pneumonitis.

SECTION 5 FIRE FIGHTING MEASURES

See Section 7 for proper handling and storage.

FLAMMABLE PROPERTIES:
Flashpoint: (Pensky-Martens Closed Cup) 52 °C (125 °F) (Min)
Autoignition: 257 °C (494 °F)

Flammability (Explosive) Limits (% by volume in air): Lower: 0.6 Upper: 4.7

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.
PROTECTION OF FIRE FIGHTERS:
Fire Fighting Instructions: For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.
Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in the vicinity of the spill or released vapor. If this material is released into the work area, evacuate the area immediately. Monitor area with combustible gas indicator.
Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. All equipment used when handling the product must be grounded. A vapor suppressing foam may be used to reduce vapors. Use clean non-sparking tools to collect absorbed material. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.
Reporting: Report spills to local authorities as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: Liquid evaporates and forms vapor (fumes) which can catch fire and burn with explosive force. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights, welding equipment, and electrical motors and switches. Fire hazard is greater as liquid temperature rises above 29C (85F).
Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Do not breathe vapor or fumes. Do not breathe mist. Wash thoroughly after handling. Keep out of the reach of children.
Unusual Handling Hazards: WARNING! Do not use as portable heater or appliance fuel. Toxic fumes may accumulate and cause death.
General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.
Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.
General Storage Information: DO NOT USE OR STORE near heat, sparks, flames, or hot surfaces . USE AND STORE ONLY IN WELL VENTILATED AREA. Keep container closed when not in use.
Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:
Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:
Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT
Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.
Skin Protection: Wear protective clothing to prevent skin contact. Selection of protective clothing may include gloves, apron, boots, and complete facial protection depending on operations conducted. Suggested materials for protective gloves include: Viton, Chlorinated Polyethylene (or Chlorosulfonated Polyethylene), Nitrile Rubber, Polyurethane.
Respiratory Protection: Determine if airborne concentrations are below the recommended occupational exposure limits for jurisdiction of use. If airborne concentrations are above the acceptable limits, wear an approved respirator that provides adequate protection from this material, such as: Air-Purifying Respirator for Organic Vapors.
When used as a fuel, this material can produce carbon monoxide in the exhaust. Determine if airborne concentrations are below the occupational exposure limit for carbon monoxide. If not, wear an approved positive-pressure air-supplying respirator.
Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.
Occupational Exposure Limits:

Component	Country/ Agency	TWA	STEL	Ceiling	Notation
Diesel Fuel No. 2	ACGIH	100 mg/m3	--	--	Skin A3 total hydrocarbon
Diesel Fuel No. 2	CVX	--	1000 mg/m3	--	--
Kerosine	ACGIH	200 mg/m3	--	--	Skin A3 Total hydrocabon vapor
Kerosine	CVX	--	1000 mg/m3	--	--
Kerosine, hydrodesulfurized	ACGIH	200 mg/m3	--	--	Skin A3 Total hydrocabon vapor
Kerosine, hydrodesulfurized	CVX	--	1000 mg/m3	--	--
Naphthalene	ACGIH	10 ppm (weight)	15 ppm (weight)	--	Skin

NOTE ON OCCUPATIONAL EXPOSURE LIMITS: Consult local authorities for acceptable provincial values in Canada. Consult the Canadian Standards Association Standard 94.4-2002 Selection, Use and Care of Respirators.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Varies depending on specification
Physical State: Liquid
Odor: Petroleum odor
pH: Not Applicable
Vapor Pressure: 0.04 kPa (Approximate) @ 40 °C (104 °F)
Vapor Density (Air = 1): >1
Boiling Point: 175.6°C (348°F) - 370°C (698°F)
Solubility: Soluble in hydrocarbons; insoluble in water
Freezing Point: Not Applicable
Melting Point: Not Applicable
Specific Gravity: 0.8 - 0.88 @ 15.6°C (60.1°F) (Typical)
Viscosity: 1.9 cSt - 4.1 cSt @ 40°C (104°F)
Odor Threshold: No Data Available
Coefficient of Water/Oil Distribution: No Data Available

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
Hazardous Decomposition Products: None known (None expected)
Hazardous Polymerization: Hazardous polymerization will not occur.
Sensitivity to Mechanical Impact: No.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS
Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.
Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.
Skin Sensitization: This material did not cause skin sensitization reactions in a Buehler guinea pig test.
Acute Dermal Toxicity: LD50: >5ml/kg (rabbit).
Acute Oral Toxicity: LD50: > 5 ml/kg (rat)
Acute Inhalation Toxicity: 4 hour(s) LC50: > 5mg/l (rat). For additional information on the acute toxicity of the components, call the technical information center.
ADDITIONAL TOXICOLOGY INFORMATION:
This product contains gas oils.
CONCAWE (product dossier 95/107) has summarized current health, safety and environmental data available for a number of gas oils, typically hydrodesulfurized middle distillates, CAS 64742-80-9, straight-run middle distillates, CAS 64741-44-2, and/or light cat-cracked distillate CAS 64741-59-9. CARCINOGENICITY: All materials tested have caused the development of skin tumors in mice, but all featured severe skin irritation and sometimes a long latency period before tumors developed. Straight-run and cracked gas oil samples were studied to determine the influence of dermal irritation on the carcinogenic activity of middle distillates. At non-irritant doses the straight-run gas oil was not carcinogenic, but at irritant doses, weak activity was demonstrated. Cracked gas oils, when diluted with mineral oil, demonstrated carcinogenic activity irrespective of the occurrence of skin irritation. Gas oils were tested on male mice to study tumor initiating/promoting activity. The results demonstrated that while a straight-run gas oil sample was neither an initiator or promotor, a blend of straight-run and FCC stock was both a tumor initiator and a promoter.
GENOTOXICITY: Hydrotreated & hydrodesulfurized gas oils range in activity from inactive to weakly positive in in-vitro bacterial mutagenicity assays. Mouse lymphoma assays on straight-run gas oils without subsequent hydrodesulphurization gave positive results in the presence of S9 metabolic activation. In-vivo bone marrow cytogenetics and sister chromatic exchange assay exhibited no activity for straight-run components with or without hydrodesulphurization. Thermally or catalytically cracked gas oils tested with in-vitro bacterial mutagenicity assays in the presence of S9 metabolic activation were shown to be mutagenic. In-vitro sister chromatic exchange assays on cracked gas oil gave equivocal results both with and without S9 metabolic activation. In-vivo bone marrow cytogenetics assay was inactive for two cracked gas oil samples. Three hydrocracked gas oils were tested with in-vitro bacterial mutagenicity assays with S9, and one of the three gave positive results. Twelve distillate fuel samples were tested with in-vitro bacterial mutagenicity assays & with S9 metabolic activation and showed negative to weakly positive results. In one series, activity was shown to be related to the PCA content of samples tested. Two in-vivo studies were also conducted. A mouse dominant lethal assay was negative for a sample of diesel fuel. In the other study, 9 samples of No 2 heating oil containing 50% cracked stocks caused a slight increase in the number of chromosomal aberrations in bone marrow cytogenetics assays. DEVELOPMENTAL TOXICITY: Diesel fuel vapor did not cause fetotoxic or teratogenic effects when pregnant rats were exposed on days 6-15 of pregnancy. Gas oils were applied to the skin of pregnant rats daily on days 0-19 of gestation. All but one (coker light gas oil) caused fetotoxicity (increased resorptions, reduced litter weight, reduced litter size) at dose levels that were also maternally toxic.

This product contains naphthalene.
GENERAL TOXICITY: Exposure to naphthalene has been reported to cause methemoglobinemia and/or hemolytic anemia, especially in humans deficient in the enzyme glucose-6-phosphate dehydrogenase. Laboratory animals given repeated oral doses of naphthalene have developed cataracts. REPRODUCTIVE TOXICITY AND

BIRTH DEFECTS: Naphthalene did not cause birth defects when administered orally to rabbits, rats, and mice during pregnancy, but slightly reduced litter size in mice at dose levels that were lethal to the pregnant females. Naphthalene has been reported to cross the human placenta.
GENETIC TOXICITY: Naphthalene caused chromosome aberrations and sister chromatid exchanges in Chinese hamster ovary cells, but was not a mutagen in several other in-vitro tests.
CARCINOGENICITY: In a study conducted by the National Toxicology Program (NTP), mice exposed to 10 or 30 ppm of naphthalene by inhalation daily for two years had chronic inflammation of the nose and lungs and increased incidences of metaplasia in those tissues. The incidence of benign lung tumors (alveolar/bronchiolar adenomas) was significantly increased in the high-dose female group but not in the male groups. In another two-year inhalation study conducted by NTP, exposure of rats to 10, 30, and 60 ppm naphthalene caused increases in the incidences of a variety of nonneoplastic lesions in the nose. Increases in nasal tumors were seen in both sexes, including olfactory neuroblastomas in females at 60 ppm and adenomas of the respiratory epithelium in males at all exposure levels. The relevance of these effects to humans has not been established. No carcinogenic effect was reported in a 2-year feeding study in rats receiving naphthalene at 41 mg/kg/day. This product may contain significant amounts of Polynuclear Aromatic Hydrocarbons (PAH's) which have been shown to cause skin cancer after prolonged and frequent contact with the skin of test animals. Brief or intermittent skin contact with this product is not expected to have serious effects if it is washed from the skin. While skin cancer is unlikely to occur in human beings following use of this product, skin contact and breathing, of mists, vapors or dusts should be reduced to a minimum.

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY
48 hour(s) EC50: 20-210 mg/l (Daphnia magna)
96 hour(s) LC50: 21-210 mg/l (Salmo gairdneri)
72 hour(s) EC50: 2.6-25 mg/l (Raphidocellus subcapitata)

ENVIRONMENTAL FATE
On release to the environment the lighter components of diesel fuel will generally evaporate but depending on local environmental conditions (temperature, wind, mixing or wave action, soil type, etc.) the remainder may become dispersed in the water column or absorbed to soil or sediment. Diesel fuel would not be expected to be readily biodegradable. In a modified Strum test (OECD method 301B) approximately 40% biodegradation was recorded over 28 days. However, it has been shown that most hydrocarbon components of diesel fuel are degraded in soil in the presence of oxygen. Under anaerobic conditions, such as in anoxic sediments, rates of biodegradation are negligible.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by USEPA under RCRA (40CFR261), Environment Canada, or other State, Provincial, and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

TC Shipping Description: UN1202, GAS OIL, 3, III

IMO/IMDG Shipping Description: UN1202, GAS OIL, 3, III, FLASH POINT SEE SECTION 5

ICAO/IATA Shipping Description: UN1202, GAS OIL, 3, III

DOT Shipping Description: UN1202, GAS OIL, COMBUSTIBLE LIQUID, III

SECTION 15 REGULATORY INFORMATION

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1
01-2A=IARC Group 2A
01-2B=IARC Group 2B
35=WHMIS IDL

The following components of this material are found on the regulatory lists indicated.

Naphthalene	01-2B, 35

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), EINECS (European Union), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

WHMIS CLASSIFICATION:

Class B, Division 3: Combustible Liquids
Class D, Division 2, Subdivision A: Very Toxic Material - Carcinogenicity
Class D, Division 2, Subdivision B: Toxic Material - Skin or Eye Irritation

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations. (See Hazardous Products Act (HPA), R.S.C. 1985, c.H-3,s.2).

MSDS PREPARATION:

This Material Safety Data Sheet has been prepared by the Toxicology and Health Risk Assessment Unit, ERTC, P.O. Box 1627, Richmond, CA 94804, (888)676-6183.

Revision Date: March 21, 2008

SECTION 16 OTHER INFORMATION

Additional Product Number(s): CPS203413, CPS203417, CPS220122, CPS225114, CPS225115, CPS225150, CPS266176, CPS270000, CPS270005, CPS270094, CPS270095, CPS270096, CPS271006, CPS272006, CPS272007, CPS272008, CPS272009, CPS272010, CPS272011, CPS272012, CPS272013, CPS272093, CPS272102, CPS272126, CPS272152, CPS272185, CPS272190, CPS272195, CPS272593, CPS272601, CPS272693, CPS272793, CPS273003, CPS273030, CPS273053, CPS275000

REVISION STATEMENT: This revision updates the following sections of this Material Safety Data Sheet: 1, 2, 16.

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)

DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

NON-HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAR000215400

Manifest Document No. 93301

2. Page 1 of 1

3. Generator's Name and Mailing Address
BECHTEL POWER CORP IVANPAH SOLOR ELECTRIC
PO BOX 19247
JEAN, NV 89019

4. Generator's Phone 415-768-8708

5. Transporter 1 Company Name: Starlite Reclamation Environmental Service

6. US EPA ID Number: CAR000148296

A. State Transporter's ID

B. Transporter 1 Phone ~~909-434-0480~~

7. Transporter 2 Company Name: INDUSTRIAL WASTE UTILIZATION

8. US EPA ID Number: CAD980585293

C. State Transporter's ID ~~909-984-9984~~

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
AA SYDCOL, LLC
1925 S. FACTOR AVE.
YUMA, AZ 85365

10. US EPA ID Number: AZR000501510

E. State Facility's ID

F. Facility's Phone 928-783-3676

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON-HAZARDOUS WASTE, SOLIDS	12	DM	6000	P
b. NON-HAZARDOUS WASTE, SOLIDS	1	DM	400	P
c. NON-RCRA HAZARDOUS WASTE, SOLIDS	5	DM	2000	P
d.				

G. Additional Descriptions for Materials Listed Above

A.) SOIL, OIL; Profile #S18420-SL1
B.) SOIL, ANTI-FREEZE; Profile #S18421-SL1
C.) SOIL W/ RUSTY WATER; Profile #S20361-SL1

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
100302 Yates Well Rd.
Nipton CA 92364

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date (Month / Day / Year)
Lorie Pallow	Lorie Pallow	5 / 10 / 12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)
Melissa Marks	[illegible]	5 / 10 / 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date (Month / Day / Year)

NON-HAZARDOUS WASTE

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 10, 2012/0900	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On May 09, 2012 around 1315, Lorie Palkow was notified that a Boom truck in Unit I had dripped a few drops of hydraulic oil onto the ground. The truck was being relocated at the time, and the boom was not in use. The impacted soil was removed and placed in a 55 gallon drum for disposal.

Location Of Incident: Unit I Power Block	**Date/Time of Release**: May 09, 2012/1315
Personnel/ Subcontractor Involved: Bechtel	**Date/Time Release Stopped:** May 09, 2012/ Immediately
Containment: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Hydraulic Oil Product Number 273279 **Total Amount Released (units):** Less than 1 ounce
Date/Time Construction Environmental Lead Notified: May 09, 2012/1315 **Person Contacted:** Lorie Palkow **Notes**:	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.

Measures to Prevent Recurrence: Routine maintenance is the best preventative measure.

Hydraulic Leak

Area After Clean Up

Material Safety Data Sheet

[image]

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Chevron Rando HD ISO 68

Product Use: Hydraulic Oil

Product Number(s): 273279

Company Identification

Chevron Products Company

a division of Chevron U.S.A. Inc.

6001 Bollinger Canyon Rd.

San Ramon, CA 94583

United States of America

www.chevronlubricants.com

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

Product Information

email : lubemsds@chevron.com

Product Information: (800) LUBE TEK

MSDS Requests: (800) 414-6737

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT

Highly refined mineral oil (C15 - C50)	Mixture	90 - 100 %weight

SECTION 3 HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

Ingestion: Not expected to be harmful if swallowed.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

SECTION 5 FIRE FIGHTING MEASURES

Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. open flame, pilot lights, sparks, or electric arcs).

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

FLAMMABLE PROPERTIES:

Flashpoint: (Cleveland Open Cup) 150 °C (302 °F) (Min)

Autoignition: No Data Available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: DO NOT USE IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible

Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Yellow

Physical State: Liquid

Odor: Petroleum odor

pH: Not Applicable

Vapor Pressure: <0.01 mmHg @ 37.8 °C (100 °F)

Vapor Density (Air = 1): >1

Boiling Point: >315.6°C (600°F)

Solubility: Soluble in hydrocarbons; insoluble in water

Freezing Point: Not Applicable

Melting Point: Not Applicable

Specific Gravity: 0.86 - 0.87 @ 15.6°C (60.1°F) / 15.6°C (60.1°F)

Density: 0.86 kg/l - 0.9 kg/l @ 15°C (59°F)

Viscosity: 22 cSt - 61.2 cSt @ 40°C (104°F) (Min)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: No product toxicology data available.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

This material is not expected to be harmful to aquatic organisms. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

Additional Information:NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO TI OR IATA DGR

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES: 1. Immediate (Acute) Health Effects: NO

2. Delayed (Chronic) Health Effects: NO

3. Fire Hazard: NO

4. Sudden Release of Pressure Hazard: NO

5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1
01-2A=IARC Group 2A
01-2B=IARC Group 2B
02=NTP Carcinogen
03=EPCRA 313
04=CA Proposition 65
05=MA RTK
06=NJ RTK
07=PA RTK

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

One or more components is listed on ELINCS (European Union). Secondary notification by the importer may be required.

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Hydraulic oil)

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION 16 OTHER INFORMATION

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:

Label Category : INDUSTRIAL OIL 1 - IND1

REVISION STATEMENT: This is a new Material Safety Data Sheet.

Revision Date: December 04, 2008

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Chevron Energy Technology Company, 100 Chevron Way, Richmond, California 94802.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

NON-HAZARDOUS WASTE MANIFEST

Please print or type. (Form designed for use on elite (12-pitch) typewriter)

NON-HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No. CAR000215400

Manifest Document No. 93301

2. Page 1 of 1

3. Generator's Name and Mailing Address
BECHTEL POWER CORP IVANPAH SOLOR ELECTRIC
PO BOX 19247
JEAN, NV 89019

4. Generator's Phone 415-768-8708

5. Transporter 1 Company Name: Starlite Reclamation Environmental Service

6. US EPA ID Number: CAR000148296

A. State Transporter's ID

B. Transporter 1 Phone ~~909-434-0480~~

7. Transporter 2 Company Name: INDUSTRIAL WASTE UTILIZATION

8. US EPA ID Number: CAD980585293

C. State Transporter's ID ~~909-984-9984~~

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
AA SYDCOL, LLC
1925 S. FACTOR AVE.
YUMA, AZ 85365

10. US EPA ID Number: AZR000501510

E. State Facility's ID

F. Facility's Phone 928-783-3676

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. NON-HAZARDOUS WASTE, SOLIDS	12	DM	6000	P
b. NON-HAZARDOUS WASTE, SOLIDS	1	DM	400	P
c. NON-RCRA HAZARDOUS WASTE, SOLIDS	5	DM	2000	P
d.				

G. Additional Descriptions for Materials Listed Above

A.) SOIL, OIL; Profile #S18420-SL1
B.) SOIL, ANTI-FREEZE; Profile #S18421-SL1
C.) SOIL W/ RUSTY WATER; Profile #S20361-SL1

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
100302 Yates Well Rd.
Nipton CA 92364

GENERATOR

16. GENERATOR'S CERTIFICATION: I hereby certify that the contents of this shipment are fully and accurately described and are in all respects in proper condition for transport. The materials described on this manifest are not subject to federal hazardous waste regulations.

Printed/Typed Name	Signature	Date (Month / Day / Year)
Lorie Pallow	Lorie Pallow	5 / 10 / 12

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)
Melissa Marks	[illegible]	5 / 10 / 12

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)

FACILITY

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of the waste materials covered by this manifest, except as noted in item 19.

Printed/Typed Name	Signature	Date (Month / Day / Year)

NON-HAZARDOUS WASTE

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 14, 2012/1330	**Name/ Title**: Lorie Palkow/CEL **Signature**: Lorie Palkow

Incident Description: On May 14, 2012 around 1030, Lorie Palkow noticed a spot of oil on the ground near the Unit III safety trailer. The impacted soil was removed by Bechtel and placed in a 55 gallon drum for disposal.

Location Of Incident: Unit III Power Block	**Date/Time of Release**: May 14, 2012/exact time unknown
Personnel/ Subcontractor Involved: Unknown	**Date/Time Release Stopped:** May 14, 2012/ Already stopped when discovered
Containment: Soil impacted with oil was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Unknown hydraulic oil or motor oil **Total Amount Released (units):** Less than 1 ounce
Date/Time Construction Environmental Lead Notified: May 14, 2012/1030 **Person Contacted:** NA **Notes**: Spill was discovered by Lorie Palkow	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil impacted with oil was removed and placed in a 55 gallon drum for disposal.

Measures to Prevent Recurrence: Exact cause unknown.

Oil Spot

Oil Spot

Area After Clean Up

Area After Clean Up

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 14, 2012/1230	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On May 14, 2012 around 1000, Lorie Palkow was notified that there was a transformer oil spill in Unit III. A tote of transformer oil was sitting in the delivery area along the Unit III access road. The oil began to leak out of the top and run down the side of the container and onto the ground. The impacted soil was removed and placed in a 55 gallon drum for disposal.

Location Of Incident: Unit III	**Date/Time of Release**: May 14, 2012/1000
Personnel/ Subcontractor Involved: Bechtel	**Date/Time Release Stopped:** May 14, 2012/Immediately
Containment: Soil impacted with transformer oil was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Caltran 60-30 MSDS 3020-00 **Total Amount Released (units):** Less than 0.5 gallons
Date/Time Construction Environmental Lead Notified: May 14, 2012/1000 **Person Contacted:** Lorie Palkow **Notes**:	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil impacted with transformer oil was removed and placed in a 55 gallon drum for disposal.

Measures to Prevent Recurrence: The transformer oil was not being stored properly or this incident could have been prevented. The oil was delivered several weeks ago, and the responsible superintendant was informed of the correct material storage requirements at that time. The totes are being relocated to a more secure storage area and will be placed on visqueen tarps until the secondary containment units arrive.

Source of Leak

Transformer Oil Leak

Oil Spill After Oil Container was Removed

Area After Clean Up

MSDS Document

Product Caltran 60-30

1. Chemical Product and Company Identification

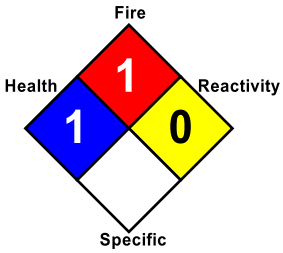
Product Caltran 60-30

Synonyms: 3020-00

MSDS ID 3020-00

Manufacturer
Calumet Lubricants Company
2780 Waterfront Pkwy E. Suite 200
Indianapolis, IN 46214

Contact Name
Anne Goldsmith
Phone Number
(317) 328-5660
Emergency Phone
CHEMTREC (800) 424-9300
CHEMTREC International (703) 527-3887
Revision Date 12/17/09



Health:	1
Fire:	1
Reactivity:	0
Specific	

2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Light Naphthenic Hydrotreated Distillates (petroleum)	64742-53-6	>97.0 %	5 mg/m3	5 mg/m3	
BHT Blend Package	Trade Additive	>2.0 %			

3. Hazard Identification

Hazards
This product is a clear, pale-straw to water-white, viscous liquid. It has a light petroleum odor.

This product is slightly combustible (Flammability Class IIIB) but will burn. Heated product will produce colorless vapors. Heated vapors in the presence of an ignition source can be explosive if confined. When burned, the product will produce carbon monoxide and other asphyxiants during combustion.

Prolong unprotected exposure to this product will cause skin irritation. Material splashed in eyes will irritate tissues. Gently flush material from eyes with clean water. Remove product soaked clothing and wash with mild soap.

As with any petroleum product, avoid mixing this product with strong oxidizers.

Carcinogen listed by: National Toxicology Program (NO)
I. A. R. C. (NO)
OSHA (NO)
ACGIH (NO)
This product does not require a cancer hazard warning in accordance with the OSHA Hazard Communication Standard.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE
Personnel with pre-existing skin disorders should avoid contact with this product.

Health studies have shown that many petroleum hydrocarbons and synthetic lubricants pose potential human health risks which may vary from person to person. As a precaution, exposure to liquids, vapors, mists or fumes should be minimized.

4. First Aid Information

First Aid Measures
EYES
If splashed into eyes, flush with clear water for 15 minutes or until irritation subsides. If irritation persists, seek medical attention.

SKIN
In case of skin contact, remove any contaminated clothing and wash skin with soap and water. Launder or dry-clean clothing before reuse. If irritation or redness develops and persists, seek medical attention.

INGESTION
Aspiration hazard: Do not induce vomiting or give anything by mouth because this material can enter the lungs and cause severe lung damage. If victim is drowsy or unconscious and vomiting, place on the left side with head down. If possible, do not leave victim unattended and observe closely for adequacy of breathing. Seek medical attention.

INHALATION
If respiratory symptoms develop, move victim away from source of exposure and into fresh air. If symptoms persist, seek medical attention. If victim is not breathing, clear airway and immediately begin artificial respiration. If breathing difficulties develop, oxygen should be administered by qualified personnel. Seek medical attention.

5. Fire Fighting Measures

Flash Point >293 F

FP Method ASTM D92

Fire Fighting
FIRE AND EXPLOSION HAZARDS
Slightly combustible. OSHA/NFPA Class IIIB Combustible Liquid. If heated above its flash point will release flammable vapors which can burn in the open or be explosive in confined spaces if exposed to ignition source. Mists or sprays may be flammable below oils normal flash point. Keep away from extreme heat or open flame.

EXTINGUISHING MEDIA
Foam, water spray (fog), dry chemical, carbon dioxide, and vaporizing liquid type extinguishing agents mat all be suitable for extinguishing fires involving this type of product, depending on size or potential size of fire and circumstances related to the situation. Plan fire protection and response strategy through consultation with local fire protection authorities or appropriate specialists.

The following procedures for this type of product are based on the recommendations in the National Fire Protection Association's "Fire Protection Guide on Hazardous Materials", 13th Edition (2001):

Use water spray, dry chemical, foam or carbon dioxide to extinguish the fire. Use water to keep fire-exposed containers cool. If a leak or spill has not ignited, use water spray to disperse the vapors and to provide protection for persons attempting to stop a leak. Water spray may be used to flush spills away from exposures. Minimize breathing of gases, vapor, fumes or decomposition products. Use supplied-air breathing equipment for enclosed or confined spaces or as otherwise needed.

DECOMPOSITION PRODUCTS UNDER FIRE CONDITIONS
Fumes, smoke, carbon monoxide, aldehydes and other decomposition products, in the case of incomplete combustion.

FLAMMABLE PROPERTIES
FLASH POINT: >293°F >145°C COC ASTM D92
AUTO IGNITION: 574°F >301°C
FLAMMABILITY CLASS: IIIB

6. Accidental Release Measures

Release Measures
Extinguish any open flames and remove heat sources.

This material will float on water and will be transported by stormwater runoff. Spills to the ground should be immobilized and removed immediately. Spills to watercourses such as stormdrains, sewers, ditches, streams, ponds, etc. must be contained with dikes, dams, floating booms, pads, etc. as appropriate. Remove trapped product immediately.

Spills that enter a waterbody must be immediately reported to the USEPA's National Response Center at (800)546-2972.
Check with your local and state regulators regarding their reporting requirements.

Cleanup personnel should wear appropriate personnel protective equipment including impervious clothing, rubber boots, gloves, and splash goggles.

7. Handling and Storage

Handling and Storage

HANDLING AND STORAGE PRECAUTIONS
Keep away from flames, sparks or hot surfaces. Never use a torch to cut or weld on or near container. Empty oil containers can contain explosive vapors. Wash thoroughly after handling.

WORK/HYGIENIC PRACTICES
Wash hands with soap and water before eating, drinking, smoking or use of toilet facilities. Do not use gasoline, solvents, kerosene, or harsh abrasive skin cleaners for washing exposed skin areas. Take a shower after work if general contact occurs. Remove oil-soaked clothing and launder before reuse. Launder or discard contaminated shoes and leather gloves.

"EMPTY" CONTAINER WARNING
"Empty" containers retain residue (liquid and/or vapor) and can be dangerous. DO NOT PRESSURIZE, CUT, WELD, BRAZE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION; THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

Do not attempt to refill or clean containers since residue is difficult to remove. "Empty" drums should be completely drained, properly bunged and promptly returned to a drum reconditioner. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations.

For work on tanks refer to Occupational Safety and Health Administration regulations, ANSI Z49.1, and other governmental and industrial references pertaining to cleaning, repairing, welding, or other contemplated operations.

8. Exposure Controls and Personal Protection

Exposure

VENTILATION
Use local exhaust to capture vapor, mists or fumes, if necessary. Provide ventilation sufficient to prevent exceeding recommended exposure limit or buildup of explosive vapors in air. No smoking, use of flame, or other ignition sources.

EYE/FACE PROTECTION
Use safety glasses or splash goggles when eye contact may occur. Have suitable eyewash water available.

SKIN PROTECTION
Avoid prolonged and/or repeated skin contact. If prolonged contact cannot be avoided, wear protective impervious clothing. Acceptable materials for gloves are polyvinyl chloride, neoprene, nitrile, polyvinyl alcohol, and viton.

RESPIRATORY PROTECTION
Normally not required if adequate ventilation. If occupational exposure limits are exceeded, wear NIOSH/MSHA approved apparatus.

OTHER/GENERAL PROTECTION
If there is a likelihood of splashing, an oil resistant clothing should be worn. Never wear oil soaked clothing. Launder or dry clean before wearing. Discard oil soaked shoes. Affix warning labels on containers in accordance with 29 CFR 1910.1200 (Hazard Communication Standard).

INGREDIENT NAME	EXPOSURE LIMITS	CONCENTRATION PERCENT BY VOLUME
Light Hydrotreated Naphthenic Distillate (petroleum) CAS NUMBER: 64742-53-6	Exposure Limits: OIL MIST OSHA PEL MIST 5 MG/M3 8 HRS ACGIH TLV MIST 5 MG/M3 8 HRS	>97.0
BHT Blend Package CAS NUMBER: Mixture	Exposure Limits: N/A	>2.0

9. Physical and Chemical Properties

Physical State	liquid
Specific Gravity	0.8833
Density lbs/Gal.	7.37
Color/Appearance	L0.5/pale straw to water white
Odor	petroleum
pH	neutral
Melting/Freezing Point	-66 F -55 C
Solubility	negligible
Viscosity	2.18 cSt @ 100 C

APPEARANCE: Clear, pale straw to water white, viscous liquid
ODOR: Light bland petroleum
PHYSICAL STATE: Liquid
BOILING POINT: N/A°F N/A°C
MELTING POINT: -66°F (D97) -55°C (D97)
VAPOR PRESSURE: N/A
VAPOR DENSITY (AIR=1): N/A
SPECIFIC GRAVITY: 0.8833
MOLECULAR WEIGHT: N/A
SOLUBILITY (H2O): negligible
PERCENT VOLATILES: nil
VOLATILE ORGANIC COMPOUNDS (VOC) CONTENT: N/A
EVAPORATION RATE: 1000X slower than ethyl ether
pH: essentially neutral
VISCOSITY: 8.18 CST at 40°C

Physical data may vary slightly to meet specifications.

10. Stability and Reactivity

Stability/Reactivity
STABILITY: Stable. Will not react violently with water.

CONDITIONS TO AVOID
Sources of ignition.

INCOMPATIBLE MATERIALS
Strong oxidizers such as liquid chlorine, concentrated oxygen, sodium hypochlorite, calcium hypochlorite, etc., as this presents a serious explosion hazard.

HAZARDOUS DECOMPOSITION PRODUCTS
Combustion may produce carbon monoxide and other asphyxiants.

HAZARDOUS POLYMERIZATION: will not occur

11. Toxicological Information

Toxicological
ACUTE STUDIES
Product has a low order of acute and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

EYE EFFECTS
Product contacting the eyes may cause eye irritation.

SKIN EFFECTS
Prolonged or repeated skin contact with this product tends to remove skin oils, possibly leading to irritation and dermatitis; however, based on human experience and available toxicological data, this product is judged to be neither a "corrosive" nor an "irritant" by OSHA criteria.

ACUTE ORAL EFFECTS
Product has a low order of acute and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

ACUTE INHALATION EFFECTS
Product has a low order of acute and dermal toxicity, but minute amounts aspirated into the lungs during ingestion or vomiting may cause mild to severe pulmonary injury and possibly death.

In accordance with the current OSHA Hazard Communication Standard criteria, this product does not require a cancer hazard warning. This is because the product is formulated from base stocks which are severely hydrotreated, severely solvent extracted, and/or processed by mild hydrotreatment and extraction. Alternatively, it may consist of components not otherwise affected by IARC criteria, such as atmospheric distillates or synthetically derived materials, and as such is not characterized by current IARC classification criteria.

12. Ecological Information

Ecological Info
If applied to leaves, this product may kill grasses and small plants by interfering with transpiration and respiration. This product is not toxic to fish but may coat gill structures

resulting in suffocation if spilled in shallow, running water. Product may be moderately toxic to amphibians by preventing dermal respiration. This product may cause gastrointestinal distress to birds and mammals through ingestion during pelage grooming.

This product is rapidly biodegradable. Biodegradation is possible within 90 to 120 days in aerobic environments at temperatures above 70°F (21°C).

13. Disposal Considerations

Disposal
Product, as supplied, does not meet the characteristics of a hazardous waste as defined in 40 CFR 261.21-24. If mixed with other products, waste mixture must be characterized. DO NOT dispose of this product in drains or storm sewers. DO NOT dispose of this product in a landfill without prior solidification. Waste product should be recycled. Consider waste brokering.

14. Transportation Information

Transport Info
PROPER SHIPPING NAME: Not regulated by DOT
HAZARD CLASS: Not applicable
DOT IDENTIFICATION NUMBER: N/A
DOT SHIPPING LABEL: Not regulated by DOT

15. Regulatory Information

U.S. FEDERAL REGULATORY INFORMATION
SARA 302 Threshold Planning Quantity: NOT APPLICABLE
SARA 304 Reportable Quantity : NOT APPLICABLE
SARA 311 Categories: Immediate (Acute) Health Effects --N
Delayed (Chronic) Health Effects --Y
Fire Hazard --N
Sudden Release of Pressure Hazard--N
Reactivity Hazard --N

EPA/TSCA Inventory: The components of this product are listed on the EPA/TSCA inventory of chemicals.
EPA Hazard Classification Code: NOT APPLICABLE
Comprehensive Environmental Response, Compensation and Liability Act (CERCLA):

Phenol - CAS No. 108-95-2 CERCLA RQ = 1000 lbs.

SARA TITLE III - SECTION 313 SUPPLIER NOTIFICATION
No chemicals in this product exceed the De Minimus reporting level established by SARA Title III, Section 313 and 40 CFR 372.

CANADIAN REGULATORY INFORMATION
This product is listed on the Canadian (DSL) Domestic Substances List.
WHMIS Classification: NOT CONTROLLED

16. Other Information

Disclaimer

DISCLAIMER OF EXPRESSED AND IMPLIED WARRANTIES

The information contained herein is based upon data believed to be reliable and reflects our best professional judgment. Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained therein and assume no responsibility regarding the suitability of this information for the user's intended purpose or for the consequence of its use. Each individual should make a determination as to the suitability of the information for his/her particular purpose(s).

Supercedes MSDS dated: 12/16/2005

Revisions: 05/04/2004 - revised formula, total revision to reflect new format
12/16/2005 - updated autoignition temperature, pour point, and viscosity
12/17/2009 - updated product typicals

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 15, 2012/1500	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On May 15, 2012 around 0820, Lorie Palkow was notified that a mower working in the Unit II solar field had a hydraulic oil leak. The impacted soil was removed and placed in a 55 gallon drum for disposal.

Location Of Incident: Unit II Solar Field	**Date/Time of Release**: May 15, 2012/0820
Personnel/ Subcontractor Involved: Bechtel	**Date/Time Release Stopped:** May 15, 2012/ Immediately
Containment: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Hydraulic Oil Product Number 273279 **Total Amount Released (units):** Less than 0.5 gallons
Date/Time Construction Environmental Lead Notified: May 15, 2012/0820 **Person Contacted:** Lorie Palkow **Notes**:	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.

Measures to Prevent Recurrence: Routine maintenance is the best preventative measure.

Hydraulic Leak

Hydraulic Leak

Hydraulic Leak

Hydraulic Leak

Hydraulic Leak

Area After Clean Up

Area After Clean Up

Area After Clean Up

Area After Clean Up

Area After Clean Up

Material Safety Data Sheet

[image]

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Chevron Rando HD ISO 68

Product Use: Hydraulic Oil

Product Number(s): 273279

Company Identification

Chevron Products Company

a division of Chevron U.S.A. Inc.

6001 Bollinger Canyon Rd.

San Ramon, CA 94583

United States of America

www.chevronlubricants.com

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

Product Information

email : lubemsds@chevron.com

Product Information: (800) LUBE TEK

MSDS Requests: (800) 414-6737

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT

Highly refined mineral oil (C15 - C50)	Mixture	90 - 100 %weight

SECTION 3 HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

Ingestion: Not expected to be harmful if swallowed.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

SECTION 5 FIRE FIGHTING MEASURES

Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. open flame, pilot lights, sparks, or electric arcs).

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

FLAMMABLE PROPERTIES:

Flashpoint: (Cleveland Open Cup) 150 °C (302 °F) (Min)

Autoignition: No Data Available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: DO NOT USE IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible

Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Yellow

Physical State: Liquid

Odor: Petroleum odor

pH: Not Applicable

Vapor Pressure: <0.01 mmHg @ 37.8 °C (100 °F)

Vapor Density (Air = 1): >1

Boiling Point: >315.6°C (600°F)

Solubility: Soluble in hydrocarbons; insoluble in water

Freezing Point: Not Applicable

Melting Point: Not Applicable

Specific Gravity: 0.86 - 0.87 @ 15.6°C (60.1°F) / 15.6°C (60.1°F)

Density: 0.86 kg/l - 0.9 kg/l @ 15°C (59°F)

Viscosity: 22 cSt - 61.2 cSt @ 40°C (104°F) (Min)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: No product toxicology data available.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

This material is not expected to be harmful to aquatic organisms. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

Additional Information:NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO TI OR IATA DGR

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES: 1. Immediate (Acute) Health Effects: NO

2. Delayed (Chronic) Health Effects: NO

3. Fire Hazard: NO

4. Sudden Release of Pressure Hazard: NO

5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1
01-2A=IARC Group 2A
01-2B=IARC Group 2B
02=NTP Carcinogen
03=EPCRA 313
04=CA Proposition 65
05=MA RTK
06=NJ RTK
07=PA RTK

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

One or more components is listed on ELINCS (European Union). Secondary notification by the importer may be required.

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Hydraulic oil)

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION 16 OTHER INFORMATION

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:

Label Category : INDUSTRIAL OIL 1 - IND1

REVISION STATEMENT: This is a new Material Safety Data Sheet.

Revision Date: December 04, 2008

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Chevron Energy Technology Company, 100 Chevron Way, Richmond, California 94802.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 15, 2012/1400	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On May 15, 2012 around 0800, Lorie Palkow was observing the National Services truck behind the ten wide trailer. When the truck drove away she noticed a small spot of oil on the ground. The impacted soil was removed by Bechtel and placed in a 55 gallon drum for disposal.

Location Of Incident: Common East Behind Ten Wide	**Date/Time of Release**: May 15, 2012/0800
Personnel/ Subcontractor Involved: National	**Date/Time Release Stopped:** May 15, 2012/ Already stopped when discovered
Containment: Soil impacted with oil was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Unknown motor oil **Total Amount Released (units):** Less than 2 ounces
Date/Time Construction Environmental Lead Notified: May 15, 2012/0800 **Person Contacted:** NA **Notes**: Spill was discovered by Lorie Palkow	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil impacted with oil was removed and placed in a 55 gallon drum for disposal.

Measures to Prevent Recurrence: Vendors should ensure that all their equipment is free of leaks. National is being notified of the issue.

Oil Spot

Area After Clean Up

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 15, 2012/1420	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On May 15, 2012 around 0900, Lorie Palkow was notified that a pylon handler had a hydraulic leak. The mechanic had changed the oil and filter the night before and did not secure the oil filter compartment. The operator was operating the pylon insertion machine when he noticed that the equipment was leaking oil. The impacted soil was removed and placed in a 55 gallon drum for disposal.

Location Of Incident: Unit II Solar Field	**Date/Time of Release**: May 15, 2012/0900
Personnel/ Subcontractor Involved: Bechtel	**Date/Time Release Stopped:** May 15, 2012/ Immediately
Containment: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Hydraulic Oil Product Number 273279 **Total Amount Released (units):** Less than 0.5 gallons
Date/Time Construction Environmental Lead Notified: May 15, 2012/0900 **Person Contacted:** Lorie Palkow **Notes**:	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.

Measures to Prevent Recurrence: Mechanics should ensure all their work is complete and all equipment is returned to a functional status prior to leaving the equipment.

Hydraulic Leak

Hydraulic Leak

Hydraulic Leak

Hydraulic Leak

Area After Clean Up

Area After Clean Up

Area After Clean Up

Area After Clean Up

Material Safety Data Sheet

[image]

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Chevron Rando HD ISO 68

Product Use: Hydraulic Oil

Product Number(s): 273279

Company Identification

Chevron Products Company

a division of Chevron U.S.A. Inc.

6001 Bollinger Canyon Rd.

San Ramon, CA 94583

United States of America

www.chevronlubricants.com

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

Product Information

email : lubemsds@chevron.com

Product Information: (800) LUBE TEK

MSDS Requests: (800) 414-6737

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT

Highly refined mineral oil (C15 - C50)	Mixture	90 - 100 %weight

SECTION 3 HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

Ingestion: Not expected to be harmful if swallowed.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

SECTION 5 FIRE FIGHTING MEASURES

Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. open flame, pilot lights, sparks, or electric arcs).

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

FLAMMABLE PROPERTIES:

Flashpoint: (Cleveland Open Cup) 150 °C (302 °F) (Min)

Autoignition: No Data Available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: DO NOT USE IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible

Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Yellow

Physical State: Liquid

Odor: Petroleum odor

pH: Not Applicable

Vapor Pressure: <0.01 mmHg @ 37.8 °C (100 °F)

Vapor Density (Air = 1): >1

Boiling Point: >315.6°C (600°F)

Solubility: Soluble in hydrocarbons; insoluble in water

Freezing Point: Not Applicable

Melting Point: Not Applicable

Specific Gravity: 0.86 - 0.87 @ 15.6°C (60.1°F) / 15.6°C (60.1°F)

Density: 0.86 kg/l - 0.9 kg/l @ 15°C (59°F)

Viscosity: 22 cSt - 61.2 cSt @ 40°C (104°F) (Min)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: No product toxicology data available.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

This material is not expected to be harmful to aquatic organisms. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

Additional Information:NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO TI OR IATA DGR

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES: 1. Immediate (Acute) Health Effects: NO

2. Delayed (Chronic) Health Effects: NO

3. Fire Hazard: NO

4. Sudden Release of Pressure Hazard: NO

5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1
01-2A=IARC Group 2A
01-2B=IARC Group 2B
02=NTP Carcinogen
03=EPCRA 313
04=CA Proposition 65
05=MA RTK
06=NJ RTK
07=PA RTK

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

One or more components is listed on ELINCS (European Union). Secondary notification by the importer may be required.

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Hydraulic oil)

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION 16 OTHER INFORMATION

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:

Label Category : INDUSTRIAL OIL 1 - IND1

REVISION STATEMENT: This is a new Material Safety Data Sheet.

Revision Date: December 04, 2008

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Chevron Energy Technology Company, 100 Chevron Way, Richmond, California 94802.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 16, 2012/1200	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On May 16, 2012 at approximately 0800, Lorie Palkow was notified by Ray Zamudio of a diesel spill near the mechanic shop. The fuel truck had just been filled in the containment area. As the truck pulled out, the driver realized that it was over filled and saw diesel dripping out of the truck and onto the ground. The impacted soil was removed with a loader and skid steer and placed in a roll-off bin for proper disposal. He transferred some fuel into another piece of equipment and continued on his fueling route. Around 0900, the same truck was entering Unit I when the truck began to leak diesel again due to not enough diesel being removed from the truck the first time. Kitty litter was utilized to clean the road way. The impacted soil and kitty litter were removed and placed in a 55 gallon drum for proper disposal. (Note: the date stamp on camera is not correct.)

Location Of Incident: Mechanic Shop and Unit I Access Road	**Date/Time of Release**: May 16, 2012/0800 and 0900
Personnel/ Subcontractor Involved: Ray Zamudio/Bechtel	**Date/Time Release Stopped:** May 16, 2012/Immediately When Noticed
Containment: Soil and kitty litter impacted with diesel was placed in two roll-off bins and a 55 gallon drum for proper disposal.	**Product ID or CAS Number:** Diesel 2 Product number CPS203410 **Total Amount Released (units):** Approximately 6 gallons total
Date/Time Construction Environmental Lead Notified: May 16, 2012/0800 and 0900 **Person Contacted:** Lorie Palkow **Notes**: Greg Daniel responded to the Unit I spill location	Was there any off-site impact with threat to human health and/or environment? **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil and kitty litter impacted with diesel was placed in two roll-off bins and a 55 gallon drum for proper disposal.

Measures to Prevent Recurrence: Fuel trucks should not be over filled when fuel is delivered. In addition, if an issue is discovered sufficient fuel should be removed in order to prevent a recurrence.

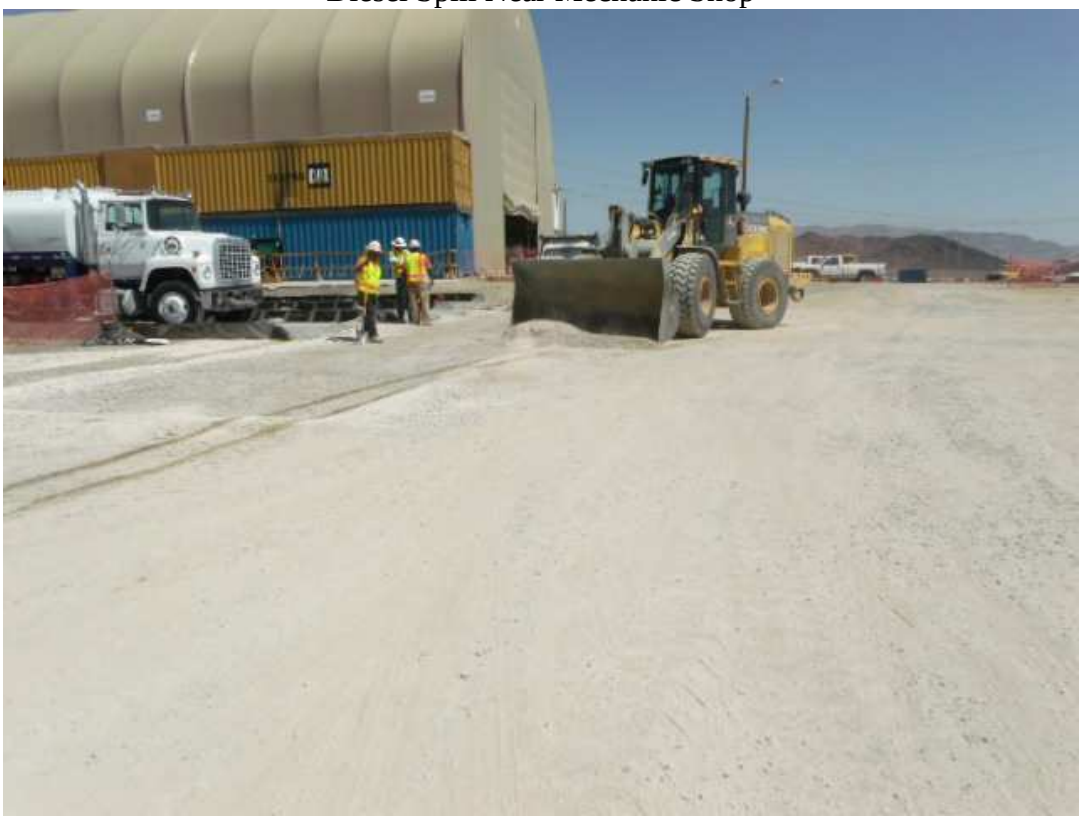
Diesel Spill Near Mechanic Shop

Diesel Spill Near Mechanic Shop

Diesel Spill Near Mechanic Shop

Diesel Spill Near Mechanic Shop

Diesel Spill Near Mechanic Shop



Clean Up Activities Near Mechanic Shop

Clean Up Activities Near Mechanic Shop

Mechanic Shop Area After Clean Up

Mechanic Shop Area After Clean Up

Mechanic Shop Area After Clean Up

Mechanic Shop Area After Clean Up

Diesel Spill On Unit I Access Road

Diesel Spill On Unit I Access Road

Diesel Spill On Unit I Access Road

Unit I Access Road After Clean Up

Unit I Access Road After Clean Up

Material Safety Data Sheet

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

DIESEL FUEL No. 2

Product Use: Fuel
Product Number(s): CPS203410 [See Section 16 for Additional Product Numbers]
Synonyms: 15 S Diesel Fuel 2, Alternative Low Aromatic Diesel (ALAD), Calco LS Diesel 2, Calco ULS DF2, Calco ULS Diesel 2, Chevron LS Diesel 2, Chevron ULS Diesel 2, Diesel Fuel Oil, Diesel Grade No. 2, Diesel No. 2-D S15, Diesel No. 2-D S500, Diesel No. 2-D S5000, Distillates, straight run, Gas Oil, HS Diesel 2, HS Heating Fuel 2, Light Diesel Oil Grade No. 2-D, LS Diesel 2, LS Heating Fuel 2, Marine Diesel, RR Diesel Fuel, Texaco Diesel, Texaco Diesel No. 2, Ultra Low Sulfur Diesel 2
Company Identification
Chevron Products Company
Marketing, MSDS Coordinator
6001 Bollinger Canyon Road
San Ramon, CA 94583
United States of America

Transportation Emergency Response
CHEMTREC: (800) 424-9300 or (703) 527-3887
Health Emergency
Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623
Product Information
MSDS Requests: (800) 689-3998
Technical Information: (510) 242-5357

SPECIAL NOTES: This MSDS covers all Chevron and Calco non-CARB Diesel No. 2 Fuels. The sulfur content is less than 0.5% (mass). Red dye is added to non-taxable fuel. (MSDS 6894)

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT
Diesel Fuel No. 2	68476-34-6	100 %wt/wt
Distillates, hydrodesulfurized, middle	64742-80-9	0 - 100 %wt/wt
Distillates, straight run middle (gas oil, light)	64741-44-2	0 - 100 %wt/wt
Kerosine	8008-20-6	0 - 25 %wt/wt
Kerosine, hydrodesulfurized	64742-81-0	0 - 25 %wt/wt
Distillates (petroleum), light catalytic cracked	64741-59-9	0 - 50 %wt/wt
Naphthalene	91-20-3	0.02 - 0.2 %wt/wt
Total sulfur	None	0 - 0.5 %wt/wt

Information on ingredients that are considered Controlled Products and/or that appear on the WHMIS Ingredient Disclosure List (IDL) is provided as required by the Canadian Hazardous Products Act (HPA, Sections 13 and 14). Ingredients considered hazardous under the OSHA Hazard Communication Standard, 29 CFR 1910.1200,

are also listed. See Section 15 for additional regulatory information.

SECTION 3 HAZARDS IDENTIFICATION

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EMERGENCY OVERVIEW

- COMBUSTIBLE LIQUID AND VAPOR
- HARMFUL OR FATAL IF SWALLOWED - MAY CAUSE LUNG DAMAGE IF SWALLOWED
- CAUSES SKIN IRRITATION
- MAY CAUSE CANCER BASED ON ANIMAL DATA

****

IMMEDIATE HEALTH EFFECTS
Eye: Not expected to cause prolonged or significant eye irritation.
Skin: Contact with the skin causes irritation. Skin contact may cause drying or defatting of the skin. Symptoms may include pain, itching, discoloration, swelling, and blistering. Contact with the skin is not expected to cause an allergic skin response. Not expected to be harmful to internal organs if absorbed through the skin.
Ingestion: Because of its low viscosity, this material can directly enter the lungs, if swallowed, or if subsequently vomited. Once in the lungs it is very difficult to remove and can cause severe injury or death. May be irritating to mouth, throat, and stomach. Symptoms may include pain, nausea, vomiting, and diarrhea.
Inhalation: Mists of this material may cause respiratory irritation. Symptoms of respiratory irritation may include coughing and difficulty breathing.

DELAYED OR OTHER HEALTH EFFECTS:
Cancer: Prolonged or repeated exposure to this material may cause cancer. Whole diesel engine exhaust has been classified as a Group 2A carcinogen (probably carcinogenic to humans) by the International Agency for Research on Cancer (IARC). Diesel exhaust particulate has been classified as reasonably anticipated to be a human carcinogen in the National Toxicology Program's Ninth Report on Carcinogens. The National Institute of Occupational Safety and Health (NIOSH) has recommended that whole diesel exhaust be regarded as potentially causing cancer. Diesel engine exhaust is known to the State of California to cause cancer. Contains naphthalene, which has been classified as a Group 2B carcinogen (possibly carcinogenic to humans) by the International Agency for Research on Cancer (IARC).
See Section 11 for additional information. Risk depends on duration and level of exposure.

SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.
Skin: Wash skin with water immediately and remove contaminated clothing and shoes. Get medical attention if any symptoms develop. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.
Ingestion: If swallowed, get immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.
Inhalation: Move the exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if breathing difficulties continue.
Note to Physicians: Ingestion of this product or subsequent vomiting may result in aspiration of light hydrocarbon liquid, which may cause pneumonitis.

SECTION 5 FIRE FIGHTING MEASURES

See Section 7 for proper handling and storage.

FLAMMABLE PROPERTIES:
Flashpoint: (Pensky-Martens Closed Cup) 52 °C (125 °F) (Min)
Autoignition: 257 °C (494 °F)

Flammability (Explosive) Limits (% by volume in air): Lower: 0.6 Upper: 4.7

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.
PROTECTION OF FIRE FIGHTERS:
Fire Fighting Instructions: For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.
Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in the vicinity of the spill or released vapor. If this material is released into the work area, evacuate the area immediately. Monitor area with combustible gas indicator.
Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. All equipment used when handling the product must be grounded. A vapor suppressing foam may be used to reduce vapors. Use clean non-sparking tools to collect absorbed material. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.
Reporting: Report spills to local authorities as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: Liquid evaporates and forms vapor (fumes) which can catch fire and burn with explosive force. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights, welding equipment, and electrical motors and switches. Fire hazard is greater as liquid temperature rises above 29C (85F).
Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Do not breathe vapor or fumes. Do not breathe mist. Wash thoroughly after handling. Keep out of the reach of children.
Unusual Handling Hazards: WARNING! Do not use as portable heater or appliance fuel. Toxic fumes may accumulate and cause death.
General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.
Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.
General Storage Information: DO NOT USE OR STORE near heat, sparks, flames, or hot surfaces . USE AND STORE ONLY IN WELL VENTILATED AREA. Keep container closed when not in use.
Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:
Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:
Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT
Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.
Skin Protection: Wear protective clothing to prevent skin contact. Selection of protective clothing may include gloves, apron, boots, and complete facial protection depending on operations conducted. Suggested materials for protective gloves include: Viton, Chlorinated Polyethylene (or Chlorosulfonated Polyethylene), Nitrile Rubber, Polyurethane.
Respiratory Protection: Determine if airborne concentrations are below the recommended occupational exposure limits for jurisdiction of use. If airborne concentrations are above the acceptable limits, wear an approved respirator that provides adequate protection from this material, such as: Air-Purifying Respirator for Organic Vapors.
When used as a fuel, this material can produce carbon monoxide in the exhaust. Determine if airborne concentrations are below the occupational exposure limit for carbon monoxide. If not, wear an approved positive-pressure air-supplying respirator.
Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.
Occupational Exposure Limits:

Component	Country/ Agency	TWA	STEL	Ceiling	Notation
Diesel Fuel No. 2	ACGIH	100 mg/m3	--	--	Skin A3 total hydrocarbon
Diesel Fuel No. 2	CVX	--	1000 mg/m3	--	--
Kerosine	ACGIH	200 mg/m3	--	--	Skin A3 Total hydrocabon vapor
Kerosine	CVX	--	1000 mg/m3	--	--
Kerosine, hydrodesulfurized	ACGIH	200 mg/m3	--	--	Skin A3 Total hydrocabon vapor
Kerosine, hydrodesulfurized	CVX	--	1000 mg/m3	--	--
Naphthalene	ACGIH	10 ppm (weight)	15 ppm (weight)	--	Skin

NOTE ON OCCUPATIONAL EXPOSURE LIMITS: Consult local authorities for acceptable provincial values in Canada. Consult the Canadian Standards Association Standard 94.4-2002 Selection, Use and Care of Respirators.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Varies depending on specification
Physical State: Liquid
Odor: Petroleum odor
pH: Not Applicable
Vapor Pressure: 0.04 kPa (Approximate) @ 40 °C (104 °F)
Vapor Density (Air = 1): >1
Boiling Point: 175.6°C (348°F) - 370°C (698°F)
Solubility: Soluble in hydrocarbons; insoluble in water
Freezing Point: Not Applicable
Melting Point: Not Applicable
Specific Gravity: 0.8 - 0.88 @ 15.6°C (60.1°F) (Typical)
Viscosity: 1.9 cSt - 4.1 cSt @ 40°C (104°F)
Odor Threshold: No Data Available
Coefficient of Water/Oil Distribution: No Data Available

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
Hazardous Decomposition Products: None known (None expected)
Hazardous Polymerization: Hazardous polymerization will not occur.
Sensitivity to Mechanical Impact: No.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS
Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.
Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.
Skin Sensitization: This material did not cause skin sensitization reactions in a Buehler guinea pig test.
Acute Dermal Toxicity: LD50: >5ml/kg (rabbit).
Acute Oral Toxicity: LD50: > 5 ml/kg (rat)
Acute Inhalation Toxicity: 4 hour(s) LC50: > 5mg/l (rat). For additional information on the acute toxicity of the components, call the technical information center.
ADDITIONAL TOXICOLOGY INFORMATION:
This product contains gas oils.
CONCAWE (product dossier 95/107) has summarized current health, safety and environmental data available for a number of gas oils, typically hydrodesulfurized middle distillates, CAS 64742-80-9, straight-run middle distillates, CAS 64741-44-2, and/or light cat-cracked distillate CAS 64741-59-9. CARCINOGENICITY: All materials tested have caused the development of skin tumors in mice, but all featured severe skin irritation and sometimes a long latency period before tumors developed. Straight-run and cracked gas oil samples were studied to determine the influence of dermal irritation on the carcinogenic activity of middle distillates. At non-irritant doses the straight-run gas oil was not carcinogenic, but at irritant doses, weak activity was demonstrated. Cracked gas oils, when diluted with mineral oil, demonstrated carcinogenic activity irrespective of the occurrence of skin irritation. Gas oils were tested on male mice to study tumor initiating/promoting activity. The results demonstrated that while a straight-run gas oil sample was neither an initiator or promotor, a blend of straight-run and FCC stock was both a tumor initiator and a promoter.
GENOTOXICITY: Hydrotreated & hydrodesulfurized gas oils range in activity from inactive to weakly positive in in-vitro bacterial mutagenicity assays. Mouse lymphoma assays on straight-run gas oils without subsequent hydrodesulphurization gave positive results in the presence of S9 metabolic activation. In-vivo bone marrow cytogenetics and sister chromatic exchange assay exhibited no activity for straight-run components with or without hydrodesulphurization. Thermally or catalytically cracked gas oils tested with in-vitro bacterial mutagenicity assays in the presence of S9 metabolic activation were shown to be mutagenic. In-vitro sister chromatic exchange assays on cracked gas oil gave equivocal results both with and without S9 metabolic activation. In-vivo bone marrow cytogenetics assay was inactive for two cracked gas oil samples. Three hydrocracked gas oils were tested with in-vitro bacterial mutagenicity assays with S9, and one of the three gave positive results. Twelve distillate fuel samples were tested with in-vitro bacterial mutagenicity assays & with S9 metabolic activation and showed negative to weakly positive results. In one series, activity was shown to be related to the PCA content of samples tested. Two in-vivo studies were also conducted. A mouse dominant lethal assay was negative for a sample of diesel fuel. In the other study, 9 samples of No 2 heating oil containing 50% cracked stocks caused a slight increase in the number of chromosomal aberrations in bone marrow cytogenetics assays. DEVELOPMENTAL TOXICITY: Diesel fuel vapor did not cause fetotoxic or teratogenic effects when pregnant rats were exposed on days 6-15 of pregnancy. Gas oils were applied to the skin of pregnant rats daily on days 0-19 of gestation. All but one (coker light gas oil) caused fetotoxicity (increased resorptions, reduced litter weight, reduced litter size) at dose levels that were also maternally toxic.

This product contains naphthalene.
GENERAL TOXICITY: Exposure to naphthalene has been reported to cause methemoglobinemia and/or hemolytic anemia, especially in humans deficient in the enzyme glucose-6-phosphate dehydrogenase. Laboratory animals given repeated oral doses of naphthalene have developed cataracts. REPRODUCTIVE TOXICITY AND

BIRTH DEFECTS: Naphthalene did not cause birth defects when administered orally to rabbits, rats, and mice during pregnancy, but slightly reduced litter size in mice at dose levels that were lethal to the pregnant females. Naphthalene has been reported to cross the human placenta.
GENETIC TOXICITY: Naphthalene caused chromosome aberrations and sister chromatid exchanges in Chinese hamster ovary cells, but was not a mutagen in several other in-vitro tests.
CARCINOGENICITY: In a study conducted by the National Toxicology Program (NTP), mice exposed to 10 or 30 ppm of naphthalene by inhalation daily for two years had chronic inflammation of the nose and lungs and increased incidences of metaplasia in those tissues. The incidence of benign lung tumors (alveolar/bronchiolar adenomas) was significantly increased in the high-dose female group but not in the male groups. In another two-year inhalation study conducted by NTP, exposure of rats to 10, 30, and 60 ppm naphthalene caused increases in the incidences of a variety of nonneoplastic lesions in the nose. Increases in nasal tumors were seen in both sexes, including olfactory neuroblastomas in females at 60 ppm and adenomas of the respiratory epithelium in males at all exposure levels. The relevance of these effects to humans has not been established. No carcinogenic effect was reported in a 2-year feeding study in rats receiving naphthalene at 41 mg/kg/day. This product may contain significant amounts of Polynuclear Aromatic Hydrocarbons (PAH's) which have been shown to cause skin cancer after prolonged and frequent contact with the skin of test animals. Brief or intermittent skin contact with this product is not expected to have serious effects if it is washed from the skin. While skin cancer is unlikely to occur in human beings following use of this product, skin contact and breathing, of mists, vapors or dusts should be reduced to a minimum.

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY
48 hour(s) EC50: 20-210 mg/l (Daphnia magna)
96 hour(s) LC50: 21-210 mg/l (Salmo gairdneri)
72 hour(s) EC50: 2.6-25 mg/l (Raphidocellus subcapitata)

ENVIRONMENTAL FATE
On release to the environment the lighter components of diesel fuel will generally evaporate but depending on local environmental conditions (temperature, wind, mixing or wave action, soil type, etc.) the remainder may become dispersed in the water column or absorbed to soil or sediment. Diesel fuel would not be expected to be readily biodegradable. In a modified Strum test (OECD method 301B) approximately 40% biodegradation was recorded over 28 days. However, it has been shown that most hydrocarbon components of diesel fuel are degraded in soil in the presence of oxygen. Under anaerobic conditions, such as in anoxic sediments, rates of biodegradation are negligible.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by USEPA under RCRA (40CFR261), Environment Canada, or other State, Provincial, and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

TC Shipping Description: UN1202, GAS OIL, 3, III

IMO/IMDG Shipping Description: UN1202, GAS OIL, 3, III, FLASH POINT SEE SECTION 5

ICAO/IATA Shipping Description: UN1202, GAS OIL, 3, III

DOT Shipping Description: UN1202, GAS OIL, COMBUSTIBLE LIQUID, III

SECTION 15 REGULATORY INFORMATION

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1
01-2A=IARC Group 2A
01-2B=IARC Group 2B
35=WHMIS IDL

The following components of this material are found on the regulatory lists indicated.

Naphthalene	01-2B, 35

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), EINECS (European Union), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

WHMIS CLASSIFICATION:

Class B, Division 3: Combustible Liquids
Class D, Division 2, Subdivision A: Very Toxic Material - Carcinogenicity
Class D, Division 2, Subdivision B: Toxic Material - Skin or Eye Irritation

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations. (See Hazardous Products Act (HPA), R.S.C. 1985, c.H-3,s.2).

MSDS PREPARATION:

This Material Safety Data Sheet has been prepared by the Toxicology and Health Risk Assessment Unit, ERTC, P.O. Box 1627, Richmond, CA 94804, (888)676-6183.

Revision Date: March 21, 2008

SECTION 16 OTHER INFORMATION

Additional Product Number(s): CPS203413, CPS203417, CPS220122, CPS225114, CPS225115, CPS225150, CPS266176, CPS270000, CPS270005, CPS270094, CPS270095, CPS270096, CPS271006, CPS272006, CPS272007, CPS272008, CPS272009, CPS272010, CPS272011, CPS272012, CPS272013, CPS272093, CPS272102, CPS272126, CPS272152, CPS272185, CPS272190, CPS272195, CPS272593, CPS272601, CPS272693, CPS272793, CPS273003, CPS273030, CPS273053, CPS275000

REVISION STATEMENT: This revision updates the following sections of this Material Safety Data Sheet: 1, 2, 16.

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)

DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Manifest

SOIL SAFE OF CA – TPST
Non-Hazardous Soils

↓ Manifest # ↓

Date of Shipment:	Responsible for Payment:	Transport Truck #:	Facility #:	Approval Number:	Load #
	Consultant			A3-9003	1

Generator and/or Consultant

Generator's Name and Billing Address:
BECHTEL POWER CORP.
100302 YATES WELL RD
NIPTON, CA 92634

Generator's Phone #:
Person to Contact: IVANPAH SOLOR
FAX#:
Customer Account Number: 7BECHTE

Consultant's Name and Billing Address:
STARLITE RECLAMATION
11225 MULBERRY AVE
FONTANA, CA 92337

Consultant's Phone #: ~~8005769278~~
Person to Contact: CHRIS JARAMILLO
FAX#:
Customer Account Number: 7004947

Generation Site (Transport from): *(name & address)*
IVANPAH SOLAR
100302 YATES WELL RD
NIPTON, CA 92364

Site Phone #:
Person to Contact:
FAX#:

Designated Facility (Transport to): *(name & address)*
SOIL SAFE OF CALIFORNIA, INC
12328 HIBISCUS AVE
ADELANTO, CA 92301

Facility Phone #: (800) 862-8001
Person to Contact: DELLENA JEFFREY
FAX#: (760) 246-8004

Transporter Name and Mailing Address:
STARLITE RECLAMATION
11225 MULBERRY AVE
FONTANA, CA 92337

Transporter's Phone #:
Person to Contact:
FAX#: 7STARLT
Customer Account Number

Description of Soil	Moisture Content	Contaminated by:	Approx. Qty:	Description of Delivery	Gross Weight	Tare Weight	Net Weight
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐	20 T				
Sand ☐ Organic ☐ Clay ☐ Other ☐	0 - 10% ☐ 10 - 20% ☐ 20% - over ☐	Gas ☐ Diesel ☐ Other ☐					

List any exception to items listed above: Scale Ticket #

Generator's and/or consultant's certification: I/We certify that the soil referenced herein is taken entirely from those soils descried in the Soil Data Sheet completed and certified by me/us for the Generation Site shown above and nothing has been added or done to such soil that would alter it in any way.

Print or Type Name: Generator ☑ Consultant ☐ — Lane Pallow
Signature and date: Lane Pallow — Month 5 Day 22 Year 12

Transporter

Transporter's certification: I/We acknowledge receipt of the soil referenced above and certify that such soil is being delivered in exactly the same condition as when received. I/We further certify that the soil is being directly transported from the Generation Site to the Designated Facility without off-loading, adding to, subtracting from or in any way delaying delivery to such site.

Print or Type Name: Tomas Pozos
Signature and date: [signature] — Month 5 Day 22 Year 12

Recycling Facility

Discrepancies:

Recycling Facility certifies the receipt of the soil covered by this manifest except as noted above:

Print or Type Name: D. JEFFERY / T. PROVANSAL
Signature and date:

Please print or type.

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 16, 2012/1300	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On May 16, 2012 around 0800, Lorie Palkow was walking in the mechanic yard when she noticed several spots of oil and fuel on the ground from generators or equipment that had been parked in the area. The impacted soil was removed and placed in a roll-off bin for disposal.

Location Of Incident: Mechanic Shop	**Date/Time of Release**: Exact time unknown
Personnel/ Subcontractor Involved: Bechtel	**Date/Time Release Stopped:** May 16, 2012/ Already stopped when discovered
Containment: Soil impacted with diesel and hydraulic oil was removed and placed in a roll-off bin for disposal.	**Product ID or CAS Number:** Diesel 2 Product number CPS203410 and Hydraulic Oil Product Number 273279 **Total Amount Released (units):** Less than 2 gallons
Date/Time Construction Environmental Lead Notified: May 16, 2012/0800 **Person Contacted:** NA **Notes**: Discovered by Lorie Palkow	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil impacted with diesel and hydraulic oil was removed and placed in a 55 gallon drum for disposal.

Measures to Prevent Recurrence: Mechanics should be taking their two minutes to conduct their equipment inspections and work area surveys and reporting such issues when they occur.

Hydraulic Oil Spot

Diesel Spot

Hydraulic Spot After Clean Up

Diesel Spot After Clean Up

Material Safety Data Sheet

[image]

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Chevron Rando HD ISO 68

Product Use: Hydraulic Oil

Product Number(s): 273279

Company Identification

Chevron Products Company

a division of Chevron U.S.A. Inc.

6001 Bollinger Canyon Rd.

San Ramon, CA 94583

United States of America

www.chevronlubricants.com

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

Product Information

email : lubemsds@chevron.com

Product Information: (800) LUBE TEK

MSDS Requests: (800) 414-6737

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT

Highly refined mineral oil (C15 - C50)	Mixture	90 - 100 %weight

SECTION 3 HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

Ingestion: Not expected to be harmful if swallowed.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

SECTION 5 FIRE FIGHTING MEASURES

Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. open flame, pilot lights, sparks, or electric arcs).

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

FLAMMABLE PROPERTIES:

Flashpoint: (Cleveland Open Cup) 150 °C (302 °F) (Min)

Autoignition: No Data Available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: DO NOT USE IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible

Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Yellow

Physical State: Liquid

Odor: Petroleum odor

pH: Not Applicable

Vapor Pressure: <0.01 mmHg @ 37.8 °C (100 °F)

Vapor Density (Air = 1): >1

Boiling Point: >315.6°C (600°F)

Solubility: Soluble in hydrocarbons; insoluble in water

Freezing Point: Not Applicable

Melting Point: Not Applicable

Specific Gravity: 0.86 - 0.87 @ 15.6°C (60.1°F) / 15.6°C (60.1°F)

Density: 0.86 kg/l - 0.9 kg/l @ 15°C (59°F)

Viscosity: 22 cSt - 61.2 cSt @ 40°C (104°F) (Min)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: No product toxicology data available.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

This material is not expected to be harmful to aquatic organisms. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

Additional Information:NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO TI OR IATA DGR

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES: 1. Immediate (Acute) Health Effects: NO

2. Delayed (Chronic) Health Effects: NO

3. Fire Hazard: NO

4. Sudden Release of Pressure Hazard: NO

5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1
01-2A=IARC Group 2A
01-2B=IARC Group 2B
02=NTP Carcinogen
03=EPCRA 313
04=CA Proposition 65
05=MA RTK
06=NJ RTK
07=PA RTK

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

One or more components is listed on ELINCS (European Union). Secondary notification by the importer may be required.

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Hydraulic oil)

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION 16 OTHER INFORMATION

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:

Label Category : INDUSTRIAL OIL 1 - IND1

REVISION STATEMENT: This is a new Material Safety Data Sheet.

Revision Date: December 04, 2008

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Chevron Energy Technology Company, 100 Chevron Way, Richmond, California 94802.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Material Safety Data Sheet

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

DIESEL FUEL No. 2

Product Use: Fuel
Product Number(s): CPS203410 [See Section 16 for Additional Product Numbers]
Synonyms: 15 S Diesel Fuel 2, Alternative Low Aromatic Diesel (ALAD), Calco LS Diesel 2, Calco ULS DF2, Calco ULS Diesel 2, Chevron LS Diesel 2, Chevron ULS Diesel 2, Diesel Fuel Oil, Diesel Grade No. 2, Diesel No. 2-D S15, Diesel No. 2-D S500, Diesel No. 2-D S5000, Distillates, straight run, Gas Oil, HS Diesel 2, HS Heating Fuel 2, Light Diesel Oil Grade No. 2-D, LS Diesel 2, LS Heating Fuel 2, Marine Diesel, RR Diesel Fuel, Texaco Diesel, Texaco Diesel No. 2, Ultra Low Sulfur Diesel 2
Company Identification
Chevron Products Company
Marketing, MSDS Coordinator
6001 Bollinger Canyon Road
San Ramon, CA 94583
United States of America

Transportation Emergency Response
CHEMTREC: (800) 424-9300 or (703) 527-3887
Health Emergency
Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623
Product Information
MSDS Requests: (800) 689-3998
Technical Information: (510) 242-5357

SPECIAL NOTES: This MSDS covers all Chevron and Calco non-CARB Diesel No. 2 Fuels. The sulfur content is less than 0.5% (mass). Red dye is added to non-taxable fuel. (MSDS 6894)

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT
Diesel Fuel No. 2	68476-34-6	100 %wt/wt
Distillates, hydrodesulfurized, middle	64742-80-9	0 - 100 %wt/wt
Distillates, straight run middle (gas oil, light)	64741-44-2	0 - 100 %wt/wt
Kerosine	8008-20-6	0 - 25 %wt/wt
Kerosine, hydrodesulfurized	64742-81-0	0 - 25 %wt/wt
Distillates (petroleum), light catalytic cracked	64741-59-9	0 - 50 %wt/wt
Naphthalene	91-20-3	0.02 - 0.2 %wt/wt
Total sulfur	None	0 - 0.5 %wt/wt

Information on ingredients that are considered Controlled Products and/or that appear on the WHMIS Ingredient Disclosure List (IDL) is provided as required by the Canadian Hazardous Products Act (HPA, Sections 13 and 14). Ingredients considered hazardous under the OSHA Hazard Communication Standard, 29 CFR 1910.1200,

are also listed. See Section 15 for additional regulatory information.

SECTION 3 HAZARDS IDENTIFICATION

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EMERGENCY OVERVIEW

- COMBUSTIBLE LIQUID AND VAPOR
- HARMFUL OR FATAL IF SWALLOWED - MAY CAUSE LUNG DAMAGE IF SWALLOWED
- CAUSES SKIN IRRITATION
- MAY CAUSE CANCER BASED ON ANIMAL DATA

****

IMMEDIATE HEALTH EFFECTS
Eye: Not expected to cause prolonged or significant eye irritation.
Skin: Contact with the skin causes irritation. Skin contact may cause drying or defatting of the skin. Symptoms may include pain, itching, discoloration, swelling, and blistering. Contact with the skin is not expected to cause an allergic skin response. Not expected to be harmful to internal organs if absorbed through the skin.
Ingestion: Because of its low viscosity, this material can directly enter the lungs, if swallowed, or if subsequently vomited. Once in the lungs it is very difficult to remove and can cause severe injury or death. May be irritating to mouth, throat, and stomach. Symptoms may include pain, nausea, vomiting, and diarrhea.
Inhalation: Mists of this material may cause respiratory irritation. Symptoms of respiratory irritation may include coughing and difficulty breathing.

DELAYED OR OTHER HEALTH EFFECTS:
Cancer: Prolonged or repeated exposure to this material may cause cancer. Whole diesel engine exhaust has been classified as a Group 2A carcinogen (probably carcinogenic to humans) by the International Agency for Research on Cancer (IARC). Diesel exhaust particulate has been classified as reasonably anticipated to be a human carcinogen in the National Toxicology Program's Ninth Report on Carcinogens. The National Institute of Occupational Safety and Health (NIOSH) has recommended that whole diesel exhaust be regarded as potentially causing cancer. Diesel engine exhaust is known to the State of California to cause cancer. Contains naphthalene, which has been classified as a Group 2B carcinogen (possibly carcinogenic to humans) by the International Agency for Research on Cancer (IARC).
See Section 11 for additional information. Risk depends on duration and level of exposure.

SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.
Skin: Wash skin with water immediately and remove contaminated clothing and shoes. Get medical attention if any symptoms develop. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.
Ingestion: If swallowed, get immediate medical attention. Do not induce vomiting. Never give anything by mouth to an unconscious person.
Inhalation: Move the exposed person to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention if breathing difficulties continue.
Note to Physicians: Ingestion of this product or subsequent vomiting may result in aspiration of light hydrocarbon liquid, which may cause pneumonitis.

SECTION 5 FIRE FIGHTING MEASURES

See Section 7 for proper handling and storage.

FLAMMABLE PROPERTIES:
Flashpoint: (Pensky-Martens Closed Cup) 52 °C (125 °F) (Min)
Autoignition: 257 °C (494 °F)

Flammability (Explosive) Limits (% by volume in air): Lower: 0.6 Upper: 4.7

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.
PROTECTION OF FIRE FIGHTERS:
Fire Fighting Instructions: For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.
Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in the vicinity of the spill or released vapor. If this material is released into the work area, evacuate the area immediately. Monitor area with combustible gas indicator.
Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. All equipment used when handling the product must be grounded. A vapor suppressing foam may be used to reduce vapors. Use clean non-sparking tools to collect absorbed material. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.
Reporting: Report spills to local authorities as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: Liquid evaporates and forms vapor (fumes) which can catch fire and burn with explosive force. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights, welding equipment, and electrical motors and switches. Fire hazard is greater as liquid temperature rises above 29C (85F).
Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Do not breathe vapor or fumes. Do not breathe mist. Wash thoroughly after handling. Keep out of the reach of children.
Unusual Handling Hazards: WARNING! Do not use as portable heater or appliance fuel. Toxic fumes may accumulate and cause death.
General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.
Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.
General Storage Information: DO NOT USE OR STORE near heat, sparks, flames, or hot surfaces . USE AND STORE ONLY IN WELL VENTILATED AREA. Keep container closed when not in use.
Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:
Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:
Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below the recommended exposure limits.

PERSONAL PROTECTIVE EQUIPMENT
Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.
Skin Protection: Wear protective clothing to prevent skin contact. Selection of protective clothing may include gloves, apron, boots, and complete facial protection depending on operations conducted. Suggested materials for protective gloves include: Viton, Chlorinated Polyethylene (or Chlorosulfonated Polyethylene), Nitrile Rubber, Polyurethane.
Respiratory Protection: Determine if airborne concentrations are below the recommended occupational exposure limits for jurisdiction of use. If airborne concentrations are above the acceptable limits, wear an approved respirator that provides adequate protection from this material, such as: Air-Purifying Respirator for Organic Vapors.
When used as a fuel, this material can produce carbon monoxide in the exhaust. Determine if airborne concentrations are below the occupational exposure limit for carbon monoxide. If not, wear an approved positive-pressure air-supplying respirator.
Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.
Occupational Exposure Limits:

Component	Country/ Agency	TWA	STEL	Ceiling	Notation
Diesel Fuel No. 2	ACGIH	100 mg/m3	--	--	Skin A3 total hydrocarbon
Diesel Fuel No. 2	CVX	--	1000 mg/m3	--	--
Kerosine	ACGIH	200 mg/m3	--	--	Skin A3 Total hydrocabon vapor
Kerosine	CVX	--	1000 mg/m3	--	--
Kerosine, hydrodesulfurized	ACGIH	200 mg/m3	--	--	Skin A3 Total hydrocabon vapor
Kerosine, hydrodesulfurized	CVX	--	1000 mg/m3	--	--
Naphthalene	ACGIH	10 ppm (weight)	15 ppm (weight)	--	Skin

NOTE ON OCCUPATIONAL EXPOSURE LIMITS: Consult local authorities for acceptable provincial values in Canada. Consult the Canadian Standards Association Standard 94.4-2002 Selection, Use and Care of Respirators.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Varies depending on specification
Physical State: Liquid
Odor: Petroleum odor
pH: Not Applicable
Vapor Pressure: 0.04 kPa (Approximate) @ 40 °C (104 °F)
Vapor Density (Air = 1): >1
Boiling Point: 175.6°C (348°F) - 370°C (698°F)
Solubility: Soluble in hydrocarbons; insoluble in water
Freezing Point: Not Applicable
Melting Point: Not Applicable
Specific Gravity: 0.8 - 0.88 @ 15.6°C (60.1°F) (Typical)
Viscosity: 1.9 cSt - 4.1 cSt @ 40°C (104°F)
Odor Threshold: No Data Available
Coefficient of Water/Oil Distribution: No Data Available

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.
Hazardous Decomposition Products: None known (None expected)
Hazardous Polymerization: Hazardous polymerization will not occur.
Sensitivity to Mechanical Impact: No.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS
Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.
Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.
Skin Sensitization: This material did not cause skin sensitization reactions in a Buehler guinea pig test.
Acute Dermal Toxicity: LD50: >5ml/kg (rabbit).
Acute Oral Toxicity: LD50: > 5 ml/kg (rat)
Acute Inhalation Toxicity: 4 hour(s) LC50: > 5mg/l (rat). For additional information on the acute toxicity of the components, call the technical information center.
ADDITIONAL TOXICOLOGY INFORMATION:
This product contains gas oils.
CONCAWE (product dossier 95/107) has summarized current health, safety and environmental data available for a number of gas oils, typically hydrodesulfurized middle distillates, CAS 64742-80-9, straight-run middle distillates, CAS 64741-44-2, and/or light cat-cracked distillate CAS 64741-59-9. CARCINOGENICITY: All materials tested have caused the development of skin tumors in mice, but all featured severe skin irritation and sometimes a long latency period before tumors developed. Straight-run and cracked gas oil samples were studied to determine the influence of dermal irritation on the carcinogenic activity of middle distillates. At non-irritant doses the straight-run gas oil was not carcinogenic, but at irritant doses, weak activity was demonstrated. Cracked gas oils, when diluted with mineral oil, demonstrated carcinogenic activity irrespective of the occurrence of skin irritation. Gas oils were tested on male mice to study tumor initiating/promoting activity. The results demonstrated that while a straight-run gas oil sample was neither an initiator or promotor, a blend of straight-run and FCC stock was both a tumor initiator and a promoter.
GENOTOXICITY: Hydrotreated & hydrodesulfurized gas oils range in activity from inactive to weakly positive in in-vitro bacterial mutagenicity assays. Mouse lymphoma assays on straight-run gas oils without subsequent hydrodesulphurization gave positive results in the presence of S9 metabolic activation. In-vivo bone marrow cytogenetics and sister chromatic exchange assay exhibited no activity for straight-run components with or without hydrodesulphurization. Thermally or catalytically cracked gas oils tested with in-vitro bacterial mutagenicity assays in the presence of S9 metabolic activation were shown to be mutagenic. In-vitro sister chromatic exchange assays on cracked gas oil gave equivocal results both with and without S9 metabolic activation. In-vivo bone marrow cytogenetics assay was inactive for two cracked gas oil samples. Three hydrocracked gas oils were tested with in-vitro bacterial mutagenicity assays with S9, and one of the three gave positive results. Twelve distillate fuel samples were tested with in-vitro bacterial mutagenicity assays & with S9 metabolic activation and showed negative to weakly positive results. In one series, activity was shown to be related to the PCA content of samples tested. Two in-vivo studies were also conducted. A mouse dominant lethal assay was negative for a sample of diesel fuel. In the other study, 9 samples of No 2 heating oil containing 50% cracked stocks caused a slight increase in the number of chromosomal aberrations in bone marrow cytogenetics assays. DEVELOPMENTAL TOXICITY: Diesel fuel vapor did not cause fetotoxic or teratogenic effects when pregnant rats were exposed on days 6-15 of pregnancy. Gas oils were applied to the skin of pregnant rats daily on days 0-19 of gestation. All but one (coker light gas oil) caused fetotoxicity (increased resorptions, reduced litter weight, reduced litter size) at dose levels that were also maternally toxic.

This product contains naphthalene.
GENERAL TOXICITY: Exposure to naphthalene has been reported to cause methemoglobinemia and/or hemolytic anemia, especially in humans deficient in the enzyme glucose-6-phosphate dehydrogenase. Laboratory animals given repeated oral doses of naphthalene have developed cataracts. REPRODUCTIVE TOXICITY AND

BIRTH DEFECTS: Naphthalene did not cause birth defects when administered orally to rabbits, rats, and mice during pregnancy, but slightly reduced litter size in mice at dose levels that were lethal to the pregnant females. Naphthalene has been reported to cross the human placenta.
GENETIC TOXICITY: Naphthalene caused chromosome aberrations and sister chromatid exchanges in Chinese hamster ovary cells, but was not a mutagen in several other in-vitro tests.
CARCINOGENICITY: In a study conducted by the National Toxicology Program (NTP), mice exposed to 10 or 30 ppm of naphthalene by inhalation daily for two years had chronic inflammation of the nose and lungs and increased incidences of metaplasia in those tissues. The incidence of benign lung tumors (alveolar/bronchiolar adenomas) was significantly increased in the high-dose female group but not in the male groups. In another two-year inhalation study conducted by NTP, exposure of rats to 10, 30, and 60 ppm naphthalene caused increases in the incidences of a variety of nonneoplastic lesions in the nose. Increases in nasal tumors were seen in both sexes, including olfactory neuroblastomas in females at 60 ppm and adenomas of the respiratory epithelium in males at all exposure levels. The relevance of these effects to humans has not been established. No carcinogenic effect was reported in a 2-year feeding study in rats receiving naphthalene at 41 mg/kg/day. This product may contain significant amounts of Polynuclear Aromatic Hydrocarbons (PAH's) which have been shown to cause skin cancer after prolonged and frequent contact with the skin of test animals. Brief or intermittent skin contact with this product is not expected to have serious effects if it is washed from the skin. While skin cancer is unlikely to occur in human beings following use of this product, skin contact and breathing, of mists, vapors or dusts should be reduced to a minimum.

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY
48 hour(s) EC50: 20-210 mg/l (Daphnia magna)
96 hour(s) LC50: 21-210 mg/l (Salmo gairdneri)
72 hour(s) EC50: 2.6-25 mg/l (Raphidocellus subcapitata)

ENVIRONMENTAL FATE
On release to the environment the lighter components of diesel fuel will generally evaporate but depending on local environmental conditions (temperature, wind, mixing or wave action, soil type, etc.) the remainder may become dispersed in the water column or absorbed to soil or sediment. Diesel fuel would not be expected to be readily biodegradable. In a modified Strum test (OECD method 301B) approximately 40% biodegradation was recorded over 28 days. However, it has been shown that most hydrocarbon components of diesel fuel are degraded in soil in the presence of oxygen. Under anaerobic conditions, such as in anoxic sediments, rates of biodegradation are negligible.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. This material, if it must be discarded, may meet the criteria of a hazardous waste as defined by USEPA under RCRA (40CFR261), Environment Canada, or other State, Provincial, and local regulations. Measurement of certain physical properties and analysis for regulated components may be necessary to make a correct determination. If this material is classified as a hazardous waste, federal law requires disposal at a licensed hazardous waste disposal facility.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

TC Shipping Description: UN1202, GAS OIL, 3, III

IMO/IMDG Shipping Description: UN1202, GAS OIL, 3, III, FLASH POINT SEE SECTION 5

ICAO/IATA Shipping Description: UN1202, GAS OIL, 3, III

DOT Shipping Description: UN1202, GAS OIL, COMBUSTIBLE LIQUID, III

SECTION 15 REGULATORY INFORMATION

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1
01-2A=IARC Group 2A
01-2B=IARC Group 2B
35=WHMIS IDL

The following components of this material are found on the regulatory lists indicated.

Naphthalene	01-2B, 35

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), EINECS (European Union), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

WHMIS CLASSIFICATION:

Class B, Division 3: Combustible Liquids
Class D, Division 2, Subdivision A: Very Toxic Material - Carcinogenicity
Class D, Division 2, Subdivision B: Toxic Material - Skin or Eye Irritation

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all of the information required by those regulations. (See Hazardous Products Act (HPA), R.S.C. 1985, c.H-3,s.2).

MSDS PREPARATION:

This Material Safety Data Sheet has been prepared by the Toxicology and Health Risk Assessment Unit, ERTC, P.O. Box 1627, Richmond, CA 94804, (888)676-6183.

Revision Date: March 21, 2008

SECTION 16 OTHER INFORMATION

Additional Product Number(s): CPS203413, CPS203417, CPS220122, CPS225114, CPS225115, CPS225150, CPS266176, CPS270000, CPS270005, CPS270094, CPS270095, CPS270096, CPS271006, CPS272006, CPS272007, CPS272008, CPS272009, CPS272010, CPS272011, CPS272012, CPS272013, CPS272093, CPS272102, CPS272126, CPS272152, CPS272185, CPS272190, CPS272195, CPS272593, CPS272601, CPS272693, CPS272793, CPS273003, CPS273030, CPS273053, CPS275000

REVISION STATEMENT: This revision updates the following sections of this Material Safety Data Sheet: 1, 2, 16.

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)

DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 21, 2012/1300	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On May 18, 2012 around 1800, during night shift, Tim James was notified that a JLG in Unit I had a hydraulic oil leak. The leak was noticed during the pre-shift inspection of the equipment and reported immediately. The impacted soil was removed and placed in a 55 gallon drum for disposal.

Location Of Incident: Unit I	**Date/Time of Release**: May 18, 2012/1800
Personnel/ Subcontractor Involved: Bechtel	**Date/Time Release Stopped:** May 18, 2012/ Immediately
Containment: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Hydraulic Oil Product Number 273279 **Total Amount Released (units):** Less than 1 quart
Date/Time Construction Environmental Lead Notified: May 18, 2012/1800 **Person Contacted:** Tim James **Notes**:	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.

Measures to Prevent Recurrence: Routine maintenance is the best preventative measure. However, proper inspections were conducted and the issue was identified prior to starting work. So, a larger issue was avoided.

Hydraulic Spill

Area After Clean Up

Material Safety Data Sheet

[image]

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Chevron Rando HD ISO 68

Product Use: Hydraulic Oil

Product Number(s): 273279

Company Identification

Chevron Products Company

a division of Chevron U.S.A. Inc.

6001 Bollinger Canyon Rd.

San Ramon, CA 94583

United States of America

www.chevronlubricants.com

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

Product Information

email : lubemsds@chevron.com

Product Information: (800) LUBE TEK

MSDS Requests: (800) 414-6737

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT

Highly refined mineral oil (C15 - C50)	Mixture	90 - 100 %weight

SECTION 3 HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

Ingestion: Not expected to be harmful if swallowed.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

SECTION 5 FIRE FIGHTING MEASURES

Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. open flame, pilot lights, sparks, or electric arcs).

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

FLAMMABLE PROPERTIES:

Flashpoint: (Cleveland Open Cup) 150 °C (302 °F) (Min)

Autoignition: No Data Available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: DO NOT USE IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible

Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Yellow

Physical State: Liquid

Odor: Petroleum odor

pH: Not Applicable

Vapor Pressure: <0.01 mmHg @ 37.8 °C (100 °F)

Vapor Density (Air = 1): >1

Boiling Point: >315.6°C (600°F)

Solubility: Soluble in hydrocarbons; insoluble in water

Freezing Point: Not Applicable

Melting Point: Not Applicable

Specific Gravity: 0.86 - 0.87 @ 15.6°C (60.1°F) / 15.6°C (60.1°F)

Density: 0.86 kg/l - 0.9 kg/l @ 15°C (59°F)

Viscosity: 22 cSt - 61.2 cSt @ 40°C (104°F) (Min)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: No product toxicology data available.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

This material is not expected to be harmful to aquatic organisms. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

Additional Information:NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO TI OR IATA DGR

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES: 1. Immediate (Acute) Health Effects: NO

2. Delayed (Chronic) Health Effects: NO

3. Fire Hazard: NO

4. Sudden Release of Pressure Hazard: NO

5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1
01-2A=IARC Group 2A
01-2B=IARC Group 2B
02=NTP Carcinogen
03=EPCRA 313
04=CA Proposition 65
05=MA RTK
06=NJ RTK
07=PA RTK

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

One or more components is listed on ELINCS (European Union). Secondary notification by the importer may be required.

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Hydraulic oil)

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION 16 OTHER INFORMATION

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:

Label Category : INDUSTRIAL OIL 1 - IND1

REVISION STATEMENT: This is a new Material Safety Data Sheet.

Revision Date: December 04, 2008

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Chevron Energy Technology Company, 100 Chevron Way, Richmond, California 94802.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

Hydraulic Leak

Area after Clean Up

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 21, 2012/1530	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On May 21, 2012 around 0630, Lorie Palkow was notified that there was a few drops of hydraulic oil on the ground near the equipment line up in Unit II. The equipment had leaked sometime during the night. The impacted soil was removed and placed in a 55 gallon drum for disposal.

Location Of Incident: Unit II Power Block	**Date/Time of Release**: May 20, 2012/Exact time unknown
Personnel/ Subcontractor Involved: Bechtel	**Date/Time Release Stopped:** May 21, 2012/ Already stopped when discovered
Containment: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Hydraulic Oil Product Number 273279 **Total Amount Released (units):** Less than 2 ounces
Date/Time Construction Environmental Lead Notified: May 21, 2012/0630 **Person Contacted:** Lorie Palkow **Notes**: Carol Crain responded	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.

Measures to Prevent Recurrence: Routine maintenance is the best preventative measure. The hydraulic leak was noticed during pre-shift inspections and reported immediately.

Material Safety Data Sheet

[image]

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Chevron Rando HD ISO 68

Product Use: Hydraulic Oil

Product Number(s): 273279

Company Identification

Chevron Products Company

a division of Chevron U.S.A. Inc.

6001 Bollinger Canyon Rd.

San Ramon, CA 94583

United States of America

www.chevronlubricants.com

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

Product Information

email : lubemsds@chevron.com

Product Information: (800) LUBE TEK

MSDS Requests: (800) 414-6737

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT

Highly refined mineral oil (C15 - C50)	Mixture	90 - 100 %weight

SECTION 3 HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

Ingestion: Not expected to be harmful if swallowed.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

SECTION 5 FIRE FIGHTING MEASURES

Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. open flame, pilot lights, sparks, or electric arcs).

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

FLAMMABLE PROPERTIES:

Flashpoint: (Cleveland Open Cup) 150 °C (302 °F) (Min)

Autoignition: No Data Available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: DO NOT USE IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible

Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Yellow

Physical State: Liquid

Odor: Petroleum odor

pH: Not Applicable

Vapor Pressure: <0.01 mmHg @ 37.8 °C (100 °F)

Vapor Density (Air = 1): >1

Boiling Point: >315.6°C (600°F)

Solubility: Soluble in hydrocarbons; insoluble in water

Freezing Point: Not Applicable

Melting Point: Not Applicable

Specific Gravity: 0.86 - 0.87 @ 15.6°C (60.1°F) / 15.6°C (60.1°F)

Density: 0.86 kg/l - 0.9 kg/l @ 15°C (59°F)

Viscosity: 22 cSt - 61.2 cSt @ 40°C (104°F) (Min)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: No product toxicology data available.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

This material is not expected to be harmful to aquatic organisms. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

Additional Information:NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO TI OR IATA DGR

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES: 1. Immediate (Acute) Health Effects: NO

2. Delayed (Chronic) Health Effects: NO

3. Fire Hazard: NO

4. Sudden Release of Pressure Hazard: NO

5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1
01-2A=IARC Group 2A
01-2B=IARC Group 2B
02=NTP Carcinogen
03=EPCRA 313
04=CA Proposition 65
05=MA RTK
06=NJ RTK
07=PA RTK

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

One or more components is listed on ELINCS (European Union). Secondary notification by the importer may be required.

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Hydraulic oil)

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION 16 OTHER INFORMATION

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:

Label Category : INDUSTRIAL OIL 1 - IND1

REVISION STATEMENT: This is a new Material Safety Data Sheet.

Revision Date: December 04, 2008

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Chevron Energy Technology Company, 100 Chevron Way, Richmond, California 94802.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 21, 2012/1400	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On May 21, 2012 around 0830, Lorie Palkow was notified that a Genie Lift working in Unit II had dripped a few drops of hydraulic oil onto the ground. The impacted soil was removed and placed in a 55 gallon drum for disposal.

Location Of Incident: Unit II Power Block	**Date/Time of Release**: May 21, 2012/0830
Personnel/ Subcontractor Involved: Bechtel	**Date/Time Release Stopped:** May 21, 2012/ Immediately
Containment: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Hydraulic Oil Product Number 273279 **Total Amount Released (units):** Less than 4 ounces
Date/Time Construction Environmental Lead Notified: May 21, 2012/0830 **Person Contacted:** Lorie Palkow **Notes**:	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.

Measures to Prevent Recurrence: Routine maintenance is the best preventative measure.

Hydraulic Leak

Hydraulic Leak

Hydraulic Leak

Area After Clean Up

Area After Clean Up

Area After Clean Up

Material Safety Data Sheet

[image]

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Chevron Rando HD ISO 68

Product Use: Hydraulic Oil

Product Number(s): 273279

Company Identification

Chevron Products Company

a division of Chevron U.S.A. Inc.

6001 Bollinger Canyon Rd.

San Ramon, CA 94583

United States of America

www.chevronlubricants.com

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

Product Information

email : lubemsds@chevron.com

Product Information: (800) LUBE TEK

MSDS Requests: (800) 414-6737

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT

Highly refined mineral oil (C15 - C50)	Mixture	90 - 100 %weight

SECTION 3 HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

Ingestion: Not expected to be harmful if swallowed.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

SECTION 5 FIRE FIGHTING MEASURES

Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. open flame, pilot lights, sparks, or electric arcs).

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

FLAMMABLE PROPERTIES:

Flashpoint: (Cleveland Open Cup) 150 °C (302 °F) (Min)

Autoignition: No Data Available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: DO NOT USE IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible

Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Yellow

Physical State: Liquid

Odor: Petroleum odor

pH: Not Applicable

Vapor Pressure: <0.01 mmHg @ 37.8 °C (100 °F)

Vapor Density (Air = 1): >1

Boiling Point: >315.6°C (600°F)

Solubility: Soluble in hydrocarbons; insoluble in water

Freezing Point: Not Applicable

Melting Point: Not Applicable

Specific Gravity: 0.86 - 0.87 @ 15.6°C (60.1°F) / 15.6°C (60.1°F)

Density: 0.86 kg/l - 0.9 kg/l @ 15°C (59°F)

Viscosity: 22 cSt - 61.2 cSt @ 40°C (104°F) (Min)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: No product toxicology data available.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

This material is not expected to be harmful to aquatic organisms. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

Additional Information:NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO TI OR IATA DGR

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES: 1. Immediate (Acute) Health Effects: NO

2. Delayed (Chronic) Health Effects: NO

3. Fire Hazard: NO

4. Sudden Release of Pressure Hazard: NO

5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1
01-2A=IARC Group 2A
01-2B=IARC Group 2B
02=NTP Carcinogen
03=EPCRA 313
04=CA Proposition 65
05=MA RTK
06=NJ RTK
07=PA RTK

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

One or more components is listed on ELINCS (European Union). Secondary notification by the importer may be required.

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Hydraulic oil)

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION 16 OTHER INFORMATION

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:

Label Category : INDUSTRIAL OIL 1 - IND1

REVISION STATEMENT: This is a new Material Safety Data Sheet.

Revision Date: December 04, 2008

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Chevron Energy Technology Company, 100 Chevron Way, Richmond, California 94802.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 21, 2012/1430	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On May 21, 2012 around 1130, Lorie Palkow was notified that a mower had experienced a hydraulic leak. A hydraulic hose failed while the mower was operating. The impacted soil was removed and placed in a 55 gallon drum for disposal.

Location Of Incident: Unit II Solar Field	**Date/Time of Release**: May 21, 2012/1130
Personnel/ Subcontractor Involved: Bechtel	**Date/Time Release Stopped:** May 21, 2012/ Immediately
Containment: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Hydraulic Oil Product Number 273279 **Total Amount Released (units):** Approximately 15 gallons
Date/Time Construction Environmental Lead Notified: May 21, 2012/1130 **Person Contacted:** Lorie Palkow **Notes**:	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.

Measures to Prevent Recurrence: Routine maintenance is the best preventative measure.

Hydraulic Spill

Clean Up Activities

Area After Clean Up

Hydraulic Spill Under the Mower (After it was Moved)

Clean Up of Area That was Under the Mower

Area Under the Mower After Clean Up

Material Safety Data Sheet

[image]

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Chevron Rando HD ISO 68

Product Use: Hydraulic Oil

Product Number(s): 273279

Company Identification

Chevron Products Company

a division of Chevron U.S.A. Inc.

6001 Bollinger Canyon Rd.

San Ramon, CA 94583

United States of America

www.chevronlubricants.com

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

Product Information

email : lubemsds@chevron.com

Product Information: (800) LUBE TEK

MSDS Requests: (800) 414-6737

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT

Highly refined mineral oil (C15 - C50)	Mixture	90 - 100 %weight

SECTION 3 HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

Ingestion: Not expected to be harmful if swallowed.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

SECTION 5 FIRE FIGHTING MEASURES

Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. open flame, pilot lights, sparks, or electric arcs).

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

FLAMMABLE PROPERTIES:

Flashpoint: (Cleveland Open Cup) 150 °C (302 °F) (Min)

Autoignition: No Data Available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: DO NOT USE IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible

Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Yellow

Physical State: Liquid

Odor: Petroleum odor

pH: Not Applicable

Vapor Pressure: <0.01 mmHg @ 37.8 °C (100 °F)

Vapor Density (Air = 1): >1

Boiling Point: >315.6°C (600°F)

Solubility: Soluble in hydrocarbons; insoluble in water

Freezing Point: Not Applicable

Melting Point: Not Applicable

Specific Gravity: 0.86 - 0.87 @ 15.6°C (60.1°F) / 15.6°C (60.1°F)

Density: 0.86 kg/l - 0.9 kg/l @ 15°C (59°F)

Viscosity: 22 cSt - 61.2 cSt @ 40°C (104°F) (Min)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: No product toxicology data available.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

This material is not expected to be harmful to aquatic organisms. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

Additional Information:NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO TI OR IATA DGR

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES: 1. Immediate (Acute) Health Effects: NO

2. Delayed (Chronic) Health Effects: NO

3. Fire Hazard: NO

4. Sudden Release of Pressure Hazard: NO

5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1
01-2A=IARC Group 2A
01-2B=IARC Group 2B
02=NTP Carcinogen
03=EPCRA 313
04=CA Proposition 65
05=MA RTK
06=NJ RTK
07=PA RTK

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

One or more components is listed on ELINCS (European Union). Secondary notification by the importer may be required.

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Hydraulic oil)

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION 16 OTHER INFORMATION

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:

Label Category : INDUSTRIAL OIL 1 - IND1

REVISION STATEMENT: This is a new Material Safety Data Sheet.

Revision Date: December 04, 2008

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Chevron Energy Technology Company, 100 Chevron Way, Richmond, California 94802.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 21, 2012/1330	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On May 21, 2012 around 0640, Lorie Palkow was notified that there was a hydraulic leak in Unit II near the mower line up. The mowers were operated on Thursday May 17. At the beginning of the shift on Monday May 21, the mowing operators noticed some hydraulic oil on the ground in the mower parking area. The mowers were all inspected and no leaks were found. The oil was fairly fresh, so the leak was believed to have occurred the previous night. The impacted soil was removed and placed in a 55 gallon drum for disposal.

Location Of Incident: Unit II Solar Field Line Up	**Date/Time of Release**: May 20 or 21, 2012/Exact time unknown
Personnel/ Subcontractor Involved: Bechtel	**Date/Time Release Stopped:** May 21, 2012/ Already stopped when noticed
Containment: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Hydraulic Oil Product Number 273279 **Total Amount Released (units):** Less than 2 gallons
Date/Time Construction Environmental Lead Notified: May 21, 2012/0640 **Person Contacted:** Lorie Palkow **Notes**: Greg Daniel Responded	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.

Measures to Prevent Recurrence: The exact cause is unknown.

Hydraulic Oil

Area After Clean Up

Material Safety Data Sheet

[image]

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Chevron Rando HD ISO 68

Product Use: Hydraulic Oil

Product Number(s): 273279

Company Identification

Chevron Products Company

a division of Chevron U.S.A. Inc.

6001 Bollinger Canyon Rd.

San Ramon, CA 94583

United States of America

www.chevronlubricants.com

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

Product Information

email : lubemsds@chevron.com

Product Information: (800) LUBE TEK

MSDS Requests: (800) 414-6737

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT

Highly refined mineral oil (C15 - C50)	Mixture	90 - 100 %weight

SECTION 3 HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

Ingestion: Not expected to be harmful if swallowed.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

SECTION 5 FIRE FIGHTING MEASURES

Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. open flame, pilot lights, sparks, or electric arcs).

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

FLAMMABLE PROPERTIES:

Flashpoint: (Cleveland Open Cup) 150 °C (302 °F) (Min)

Autoignition: No Data Available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: DO NOT USE IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible

Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Yellow

Physical State: Liquid

Odor: Petroleum odor

pH: Not Applicable

Vapor Pressure: <0.01 mmHg @ 37.8 °C (100 °F)

Vapor Density (Air = 1): >1

Boiling Point: >315.6°C (600°F)

Solubility: Soluble in hydrocarbons; insoluble in water

Freezing Point: Not Applicable

Melting Point: Not Applicable

Specific Gravity: 0.86 - 0.87 @ 15.6°C (60.1°F) / 15.6°C (60.1°F)

Density: 0.86 kg/l - 0.9 kg/l @ 15°C (59°F)

Viscosity: 22 cSt - 61.2 cSt @ 40°C (104°F) (Min)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: No product toxicology data available.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

This material is not expected to be harmful to aquatic organisms. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

Additional Information:NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO TI OR IATA DGR

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES: 1. Immediate (Acute) Health Effects: NO

2. Delayed (Chronic) Health Effects: NO

3. Fire Hazard: NO

4. Sudden Release of Pressure Hazard: NO

5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1
01-2A=IARC Group 2A
01-2B=IARC Group 2B
02=NTP Carcinogen
03=EPCRA 313
04=CA Proposition 65
05=MA RTK
06=NJ RTK
07=PA RTK

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

One or more components is listed on ELINCS (European Union). Secondary notification by the importer may be required.

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Hydraulic oil)

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION 16 OTHER INFORMATION

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:

Label Category : INDUSTRIAL OIL 1 - IND1

REVISION STATEMENT: This is a new Material Safety Data Sheet.

Revision Date: December 04, 2008

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Chevron Energy Technology Company, 100 Chevron Way, Richmond, California 94802.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 22, 2012/1000	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On May 22, 2012 around 0730, Lorie Palkow was notified by James Haythorn that a pylon handler working in the Unit II solar field had experienced a small hydraulic leak. The impacted soil was removed and placed in a 55 gallon drum for disposal.

Location Of Incident: Unit II Solar Field	**Date/Time of Release**: May 22, 2012/0730
Personnel/ Subcontractor Involved: Bechtel	**Date/Time Release Stopped:** May 22, 2012/ Immediately
Containment: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Hydraulic Oil Product Number 273279 **Total Amount Released (units):** Approximately 2 ounces
Date/Time Construction Environmental Lead Notified: May 22, 2012/0730 **Person Contacted:** Lorie Palkow **Notes**:	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.

Measures to Prevent Recurrence: Routine maintenance is the best preventative measure.

Hydraulic Spray

Hydraulic Spray

Area After Clean Up

Area After Clean Up

Material Safety Data Sheet

[image]

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Chevron Rando HD ISO 68

Product Use: Hydraulic Oil

Product Number(s): 273279

Company Identification

Chevron Products Company

a division of Chevron U.S.A. Inc.

6001 Bollinger Canyon Rd.

San Ramon, CA 94583

United States of America

www.chevronlubricants.com

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

Product Information

email : lubemsds@chevron.com

Product Information: (800) LUBE TEK

MSDS Requests: (800) 414-6737

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT

Highly refined mineral oil (C15 - C50)	Mixture	90 - 100 %weight

SECTION 3 HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

Ingestion: Not expected to be harmful if swallowed.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

SECTION 5 FIRE FIGHTING MEASURES

Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. open flame, pilot lights, sparks, or electric arcs).

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

FLAMMABLE PROPERTIES:

Flashpoint: (Cleveland Open Cup) 150 °C (302 °F) (Min)

Autoignition: No Data Available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: DO NOT USE IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible

Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Yellow

Physical State: Liquid

Odor: Petroleum odor

pH: Not Applicable

Vapor Pressure: <0.01 mmHg @ 37.8 °C (100 °F)

Vapor Density (Air = 1): >1

Boiling Point: >315.6°C (600°F)

Solubility: Soluble in hydrocarbons; insoluble in water

Freezing Point: Not Applicable

Melting Point: Not Applicable

Specific Gravity: 0.86 - 0.87 @ 15.6°C (60.1°F) / 15.6°C (60.1°F)

Density: 0.86 kg/l - 0.9 kg/l @ 15°C (59°F)

Viscosity: 22 cSt - 61.2 cSt @ 40°C (104°F) (Min)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: No product toxicology data available.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

This material is not expected to be harmful to aquatic organisms. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

Additional Information:NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO TI OR IATA DGR

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES: 1. Immediate (Acute) Health Effects: NO

2. Delayed (Chronic) Health Effects: NO

3. Fire Hazard: NO

4. Sudden Release of Pressure Hazard: NO

5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1
01-2A=IARC Group 2A
01-2B=IARC Group 2B
02=NTP Carcinogen
03=EPCRA 313
04=CA Proposition 65
05=MA RTK
06=NJ RTK
07=PA RTK

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

One or more components is listed on ELINCS (European Union). Secondary notification by the importer may be required.

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Hydraulic oil)

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION 16 OTHER INFORMATION

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:

Label Category : INDUSTRIAL OIL 1 - IND1

REVISION STATEMENT: This is a new Material Safety Data Sheet.

Revision Date: December 04, 2008

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
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	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Chevron Energy Technology Company, 100 Chevron Way, Richmond, California 94802.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 23, 2012/1130	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow
Incident Description: On May 23, 2012 around 0930, Lorie Palkow noticed a spot of oil near the safety trailer. The impacted soil was removed and placed in a 55 gallon drum for disposal.	
Location Of Incident: Common Area Next to Safety Trailer	**Date/Time of Release**: May 23, 2012/Exact time unknown
Personnel/ Subcontractor Involved: Bechtel	**Date/Time Release Stopped:** May 23, 2012/ Already stopped when discovered
Containment: Soil impacted with oil was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Unknown motor oil **Total Amount Released (units):** Approximately 2 ounces
Date/Time Construction Environmental Lead Notified: May 23, 2012/0930 **Person Contacted:** NA **Notes**: Discovered by Lorie Palkow	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.
Description of Corrective Action Taken: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.	
Measures to Prevent Recurrence: Exact cause is unknown.	

Oil Spot

Area After Clean Up

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 23, 2012/1200	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On May 23, 2012 around 0800, Lorie Palkow was notified of a WD-40 spill in Unit II. Bechtel employees were moving steel that had been sprayed with WD-40. When they moved the material, some of the WD-40 dripped off the steel and onto the ground. The impacted soil was removed and placed in a 55 gallon drum for disposal.

Location Of Incident: Unit II Power Block	**Date/Time of Release**: May 23, 2012/0800
Personnel/ Subcontractor Involved: Bechtel	**Date/Time Release Stopped:** May 23, 2012/ Immediately
Containment: Soil impacted with WD-40 was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** WD-40 **Total Amount Released (units):** Approximately 16 ounces
Date/Time Construction Environmental Lead Notified: May 23, 2012/0800 **Person Contacted:** Lorie Palkow **Notes**:	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil impacted with WD-40 was removed and placed in a 55 gallon drum for disposal.

Measures to Prevent Recurrence: Employees should inspect materials prior to working with them to ensure they are free of oil or other materials that could cause a spill.

WD-40 Spill

WD-40 Spill

Area After Clean Up

Area After Clean Up

Material Safety Data Sheet

1 - Chemical Product and Company Identification

Manufacturer: WD-40 Company **Address: 1061 Cudahy Place (92110)** **P.O. Box 80607** **San Diego, California, USA** **92138 –0607** **Telephone:** **Emergency only: 1-888-324-7596 (PROSAR)** **Information: 1-888-324-7596** **Chemical Spills: 1-800-424-9300 (Chemtrec)** **1-703-527-3887 (International Calls)**	**Chemical Name: Organic Mixture** **Trade Name: WD-40 Aerosol** **Product Use: Lubricant, Penetrant, Drives Out Moisture, Removes and Protects Surfaces From Corrosion** **MSDS Date Of Preparation: 3/11/10**

2 – Hazards Identification

Emergency Overview:
DANGER! Flammable aerosol. Contents under pressure. Harmful or fatal if swallowed. If swallowed, may be aspirated and cause lung damage. May cause eye irritation. Avoid eye contact. Use with adequate ventilation. Keep away from heat, sparks and all other sources of ignition.

Symptoms of Overexposure:
Inhalation: High concentrations may cause nasal and respiratory irritation and central nervous system effects such as headache, dizziness and nausea. Intentional abuse may be harmful or fatal.
Skin Contact: Prolonged and/or repeated contact may produce mild irritation and defatting with possible dermatitis.
Eye Contact: Contact may be irritating to eyes. May cause redness and tearing.
Ingestion: This product has low oral toxicity. Swallowing may cause gastrointestinal irritation, nausea, vomiting and diarrhea. This product is an aspiration hazard. If swallowed, can enter the lungs and may cause chemical pneumonitis, severe lung damage and death.
Chronic Effects: None expected.
Medical Conditions Aggravated by Exposure: Preexisting eye, skin and respiratory conditions may be aggravated by exposure.

Suspected Cancer Agent:
Yes No X

3 - Composition/Information on Ingredients

Ingredient	CAS #	Weight Percent
Aliphatic Hydrocarbon	64742-47-8	45-50
Petroleum Base Oil	64742-58-1 64742-53-6 64742-56-9 64742-65-0	<25
LVP Aliphatic Hydrocarbon	64742-47-8	12-18
Carbon Dioxide	124-38-9	2-3
Surfactant	Proprietary	<2
Non-Hazardous Ingredients	Mixture	<10

4 – First Aid Measures

Ingestion (Swallowed): Aspiration Hazard. DO NOT induce vomiting. Call physician, poison control center or the WD-40 Safety Hotline at 1-888-324-7596 immediately.
Eye Contact: Flush thoroughly with water. Remove contact lenses if present after the first 5 minutes and continue flushing for several more minutes. Get medical attention if irritation persists.

Skin Contact: Wash with soap and water. If irritation develops and persists, get medical attention.
Inhalation (Breathing): If irritation is experienced, move to fresh air. Get medical attention if irritation or other symptoms develop and persist.

5 – Fire Fighting Measures

Extinguishing Media: Use water fog, dry chemical, carbon dioxide or foam. Do not use water jet or flooding amounts of water. Burning product will float on the surface and spread fire.
Special Fire Fighting Procedures: Firefighters should always wear positive pressure self-contained breathing apparatus and full protective clothing. Cool fire-exposed containers with water. Use shielding to protect against bursting containers.
Unusual Fire and Explosion Hazards: Contents under pressure. Keep away from ignition sources and open flames. Exposure of containers to extreme heat and flames can cause them to rupture often with violent force. Vapors are heavier than air and may travel along surfaces to remote ignition sources and flash back.

6 – Accidental Release Measures

Wear appropriate protective clothing (see Section 8). Eliminate all sources of ignition and ventilate area. Leaking cans should be placed in a plastic bag or open pail until the pressure has dissipated. Contain and collect liquid with an inert absorbent and place in a container for disposal. Clean spill area thoroughly. Report spills to authorities as required.

7 – Handling and Storage

Handling: Avoid contact with eyes. Avoid prolonged contact with skin. Avoid breathing vapors or aerosols. Use only with adequate ventilation. Keep away from heat, sparks, pilot lights, hot surfaces and open flames. Unplug electrical tools, motors and appliances before spraying or bringing the can near any source of electricity. Electricity can burn a hole in the can and cause contents to burst into flames. To avoid serious burn injury, do not let the can touch battery terminals, electrical connections on motors or appliances or any other source of electricity. Wash thoroughly with soap and water after handling. Keep containers closed when not in use. Keep out of the reach of children. Do not puncture, crush or incinerate containers, even when empty.
Storage: Store in a cool, well-ventilated area, away from incompatible materials Do not store above 120°F or in direct sunlight. U.F.C (NFPA 30B) Level 3 Aerosol.

8 – Exposure Controls/Personal Protection

Chemical	Occupational Exposure Limits
Aliphatic Hydrocarbon	1200 mg/m3 TWA (manufacturer recommended)
Petroleum Base Oil	5 mg/m3 TWA, 10 mg/m3 STEL ACGIH TLV 5 mg/m3 TWA OSHA PEL
LVP Aliphatic Hydrocarbon	1200 mg/m3 TWA (manufacturer recommended)
Carbon Dioxide	5000 ppm TWA (OSHA/ACGIH), 30,000 ppm STEL (ACGIH)
Surfactant	None Established
Non-Hazardous Ingredients	None Established

The Following Controls are Recommended for Normal Consumer Use of this Product
Engineering Controls: Use in a well-ventilated area.
Personal Protection:
Eye Protection: Avoid eye contact. Always spray away from your face.
Skin Protection: Avoid prolonged skin contact. Chemical resistant gloves recommended for operations where skin contact is likely.
Respiratory Protection: None needed for normal use with adequate ventilation.

For Bulk Processing or Workplace Use the Following Controls are Recommended
Engineering Controls: Use adequate general and local exhaust ventilation to maintain exposure levels below that occupational exposure limits.

Personal Protection:
Eye Protection: Safety goggles recommended where eye contact is possible.
Skin Protection: Wear chemical resistant gloves.
Respiratory Protection: None required if ventilation is adequate. If the occupational exposure limits are exceeded, wear a NIOSH approved respirator. Respirator selection and use should be based on contaminant type, form and concentration. Follow OSHA 1910.134, ANSI Z88.2 and good Industrial Hygiene practice.
Work/Hygiene Practices: Wash with soap and water after handling.

9 – Physical and Chemical Properties

Boiling Point:	361 - 369°F (183 - 187°C)	Specific Gravity:	0.8 – 0.82 @ 60°F
Solubility in Water:	Insoluble	pH:	Not Applicable
Vapor Pressure:	95-115 PSI @ 70°F	Vapor Density:	Greater than 1
Percent Volatile:	70-75%	VOC:	412 grams/liter (49.5%)
Coefficient of Water/Oil Distribution:	Not Determined	Appearance/Odor	Light amber liquid/mild odor
Flash Point:	122°F (49°C) Tag Open Cup (concentrate)	Flammable Limits: (Solvent Portion)	LEL: 0.6% UEL: 8.0%
Pour Point:	-63°C (-81.4°F) ASTM D-97	Kinematic Viscosity:	2.79-2.96cSt @ 100°F

10 – Stability and Reactivity

Stability: Stable
Hazardous Polymerization: Will not occur.
Conditions to Avoid: Avoid heat, sparks, flames and other sources of ignition. Do not puncture or incinerate containers.
Incompatibilities: Strong oxidizing agents.
Hazardous Decomposition Products: Carbon monoxide and carbon dioxide.

11 – Toxicological Information

The oral toxicity of this product is estimated to be greater than 5,000 mg/kg based on an assessment of the ingredients. This product is not classified as toxic by established criteria. It is an aspiration hazard.
None of the components of this product is listed as a carcinogen or suspected carcinogen or is considered a reproductive hazard.

12 – Ecological Information

No data is currently available.

13 - Disposal Considerations

If this product becomes a waste, it would be expected to meet the criteria of a RCRA ignitable hazardous waste (D001). However, it is the responsibility of the generator to determine at the time of disposal the proper classification and method of disposal. Dispose in accordance with federal, state, and local regulations.

14 – Transportation Information

DOT Surface Shipping Description: Consumer Commodity, ORM-D
IMDG Shipping Description: Un1950, Aerosols, 2.1, LTD QTY

15 – Regulatory Information

U.S. Federal Regulations:

CERCLA 103 Reportable Quantity: This product is not subject to CERCLA reporting requirements, however, oil spills are reportable to the National Response Center under the Clean Water Act and many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.
SARA TITLE III:
Hazard Category For Section 311/312: Acute Health, Fire Hazard, Sudden Release of Pressure
Section 313 Toxic Chemicals: This product contains the following chemicals subject to SARA Title III Section 313 Reporting requirements: None
Section 302 Extremely Hazardous Substances (TPQ): None
EPA Toxic Substances Control Act (TSCA) Status: All of the components of this product are listed on the TSCA inventory.
California Safe Drinking Water and Toxic Enforcement Act (Proposition 65): This product does not contain chemicals regulated under California Proposition 65.
VOC Regulations: This product complies with the consumer product VOC limits of CARB, the US EPA and states adopting the OTC VOC rules.
Canadian Environmental Protection Act: One of the components is listed on the NDSL. All of the other ingredients are listed on the Canadian Domestic Substances List or exempt from notification.
Canadian WHMIS Classification: Class B-5 (Flammable Aerosol)
This MSDS has been prepared according to the criteria of the Controlled Products Regulation (CPR) and the MSDS contains all of the information required by the CPR.

16 – Other Information:

HMIS Hazard Rating:
Health – 1 (slight hazard), Fire Hazard – 4 (severe hazard), Reactivity – 0 (minimal hazard)

SIGNATURE: _____ TITLE: Director of Global Quality Assurance

REVISION DATE: March 2010 SUPERSEDES: August 2009

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 23, 2012/1620	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On May 23, 2012 around 1230, Lorie Palkow was notified that a genie lift working in Unit III had experienced a small hydraulic leak. The impacted soil was removed and placed in a 55 gallon drum for disposal.

Location Of Incident: Unit III Power Block	**Date/Time of Release**: May 23, 2012/1230
Personnel/ Subcontractor Involved: Bechtel	**Date/Time Release Stopped:** May 23, 2012/ Immediately
Containment: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Hydraulic Oil Product Number 273279 **Total Amount Released (units):** Less than 1 quart
Date/Time Construction Environmental Lead Notified: May 23, 2012/1230 **Person Contacted:** Lorie Palkow **Notes**:	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.

Measures to Prevent Recurrence: Routine maintenance is the best preventative measure.

Hydraulic Spill

Hydraulic Spill

Hydraulic Spill

Area After Clean Up

Area After Clean Up

Area After Clean Up

Material Safety Data Sheet

[image]

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Chevron Rando HD ISO 68

Product Use: Hydraulic Oil

Product Number(s): 273279

Company Identification

Chevron Products Company

a division of Chevron U.S.A. Inc.

6001 Bollinger Canyon Rd.

San Ramon, CA 94583

United States of America

www.chevronlubricants.com

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

Product Information

email : lubemsds@chevron.com

Product Information: (800) LUBE TEK

MSDS Requests: (800) 414-6737

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT

Highly refined mineral oil (C15 - C50)	Mixture	90 - 100 %weight

SECTION 3 HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

Ingestion: Not expected to be harmful if swallowed.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

SECTION 5 FIRE FIGHTING MEASURES

Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. open flame, pilot lights, sparks, or electric arcs).

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

FLAMMABLE PROPERTIES:

Flashpoint: (Cleveland Open Cup) 150 °C (302 °F) (Min)

Autoignition: No Data Available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: DO NOT USE IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible

Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Yellow

Physical State: Liquid

Odor: Petroleum odor

pH: Not Applicable

Vapor Pressure: <0.01 mmHg @ 37.8 °C (100 °F)

Vapor Density (Air = 1): >1

Boiling Point: >315.6°C (600°F)

Solubility: Soluble in hydrocarbons; insoluble in water

Freezing Point: Not Applicable

Melting Point: Not Applicable

Specific Gravity: 0.86 - 0.87 @ 15.6°C (60.1°F) / 15.6°C (60.1°F)

Density: 0.86 kg/l - 0.9 kg/l @ 15°C (59°F)

Viscosity: 22 cSt - 61.2 cSt @ 40°C (104°F) (Min)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: No product toxicology data available.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

This material is not expected to be harmful to aquatic organisms. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

Additional Information:NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO TI OR IATA DGR

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES: 1. Immediate (Acute) Health Effects: NO

2. Delayed (Chronic) Health Effects: NO

3. Fire Hazard: NO

4. Sudden Release of Pressure Hazard: NO

5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1
01-2A=IARC Group 2A
01-2B=IARC Group 2B
02=NTP Carcinogen
03=EPCRA 313
04=CA Proposition 65
05=MA RTK
06=NJ RTK
07=PA RTK

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

One or more components is listed on ELINCS (European Union). Secondary notification by the importer may be required.

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Hydraulic oil)

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION 16 OTHER INFORMATION

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:

Label Category : INDUSTRIAL OIL 1 - IND1

REVISION STATEMENT: This is a new Material Safety Data Sheet.

Revision Date: December 04, 2008

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Chevron Energy Technology Company, 100 Chevron Way, Richmond, California 94802.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 24, 2012/1430	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On May 24, 2012 around 1215, Lorie Palkow was walking in Unit I when she noticed a spot of oil on the ground. The impacted soil was removed and placed in a 55 gallon drum for disposal.

Location Of Incident: Unit I Power Block	**Date/Time of Release**: Exact date and time unknown
Personnel/ Subcontractor Involved: Unknown	**Date/Time Release Stopped:** May 24, 2012/Already stopped when discovered
Containment: Soil impacted with oil was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Hydraulic Oil Product Number 273279 **Total Amount Released (units):** Less than 1 quart
Date/Time Construction Environmental Lead Notified: May 24, 2012/1215 **Person Contacted:** NA **Notes**: Was discovered by Lorie Palkow	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil impacted with oil was removed and placed in a 55 gallon drum for disposal.

Measures to Prevent Recurrence: Exact cause unknown.

Oil Spot

Area After Clean Up

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 24, 2012/1400	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On May 24, 2012 around 1200, Lorie Palkow was notified that an excavator working in Unit I had experienced a small hydraulic leak. The impacted soil was removed and placed in a 55 gallon drum for disposal.

Location Of Incident: Unit I Power Block	**Date/Time of Release**: May 24, 2012/1200
Personnel/ Subcontractor Involved: Bechtel	**Date/Time Release Stopped:** May 24, 2012/ Immediately
Containment: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Hydraulic Oil Product Number 273279 **Total Amount Released (units):** Less than 2 ounces
Date/Time Construction Environmental Lead Notified: May 24, 2012/1200 **Person Contacted:** Lorie Palkow **Notes**:	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.

Measures to Prevent Recurrence: Routine maintenance is the best preventative measure.

Hydraulic Spill

Area After Clean Up

Material Safety Data Sheet

[image]

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Chevron Rando HD ISO 68

Product Use: Hydraulic Oil

Product Number(s): 273279

Company Identification

Chevron Products Company

a division of Chevron U.S.A. Inc.

6001 Bollinger Canyon Rd.

San Ramon, CA 94583

United States of America

www.chevronlubricants.com

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

Product Information

email : lubemsds@chevron.com

Product Information: (800) LUBE TEK

MSDS Requests: (800) 414-6737

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT

Highly refined mineral oil (C15 - C50)	Mixture	90 - 100 %weight

SECTION 3 HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

Ingestion: Not expected to be harmful if swallowed.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

SECTION 5 FIRE FIGHTING MEASURES

Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. open flame, pilot lights, sparks, or electric arcs).

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

FLAMMABLE PROPERTIES:

Flashpoint: (Cleveland Open Cup) 150 °C (302 °F) (Min)

Autoignition: No Data Available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: DO NOT USE IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible

Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Yellow

Physical State: Liquid

Odor: Petroleum odor

pH: Not Applicable

Vapor Pressure: <0.01 mmHg @ 37.8 °C (100 °F)

Vapor Density (Air = 1): >1

Boiling Point: >315.6°C (600°F)

Solubility: Soluble in hydrocarbons; insoluble in water

Freezing Point: Not Applicable

Melting Point: Not Applicable

Specific Gravity: 0.86 - 0.87 @ 15.6°C (60.1°F) / 15.6°C (60.1°F)

Density: 0.86 kg/l - 0.9 kg/l @ 15°C (59°F)

Viscosity: 22 cSt - 61.2 cSt @ 40°C (104°F) (Min)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: No product toxicology data available.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

This material is not expected to be harmful to aquatic organisms. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

Additional Information:NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO TI OR IATA DGR

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES: 1. Immediate (Acute) Health Effects: NO

2. Delayed (Chronic) Health Effects: NO

3. Fire Hazard: NO

4. Sudden Release of Pressure Hazard: NO

5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1
01-2A=IARC Group 2A
01-2B=IARC Group 2B
02=NTP Carcinogen
03=EPCRA 313
04=CA Proposition 65
05=MA RTK
06=NJ RTK
07=PA RTK

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

One or more components is listed on ELINCS (European Union). Secondary notification by the importer may be required.

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Hydraulic oil)

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION 16 OTHER INFORMATION

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:

Label Category : INDUSTRIAL OIL 1 - IND1

REVISION STATEMENT: This is a new Material Safety Data Sheet.

Revision Date: December 04, 2008

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Chevron Energy Technology Company, 100 Chevron Way, Richmond, California 94802.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 29, 2012/0830	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On May 29, 2012 around 0630, Lorie Palkow was notified by Mike Larson that a light plant near the Unit II time clocks was leaking oil. The impacted soil was removed and placed in a 55 gallon drum for disposal.

Location Of Incident: Unit II Time Clocks	**Date/Time of Release**: May 29, 2012/0600
Personnel/ Subcontractor Involved: Bechtel	**Date/Time Release Stopped:** May 29, 2012/Immediately
Containment: Soil impacted with oil was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Unknown oil **Total Amount Released (units):** Less than 1 quart
Date/Time Construction Environmental Lead Notified: May 29, 2012/0630 **Person Contacted:** Lorie Palkow **Notes**:	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil impacted with oil was removed and placed in a 55 gallon drum for disposal.

Measures to Prevent Recurrence: Routine maintenance is the best preventative measure.

Oil Leak

Close Up of Oil Spill After Light Plant Was Moved

Area After Clean Up

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 30, 2012/6:45 PM	**Name/ Title**: Rick Christopherson **Signature:** Lori Pulko for Rick

Incident Description: On May 30, 2012 around 1845, Rick Christopherson was notified that a Link Belt mobile crane (equipment I.D. R386) in the Pipefitter Common Area Laydown Yard had a hydraulic leak. The fueling operator had opened the hydraulic fluid filter compartment without first bleeding off the residual pressure. The worker was attempting to change the filter when the system pressure extruded the seal "O" ring, initiating the spill. The employee called the equipment mechanics, who assisted him to contain the spill with catch basins, absorption pads, and encircling the downhill side of the spill with a ring dike. The impacted soil was removed and placed in a Visquene-lined, hazardous waste roll off bin for disposal.

Location Of Incident: Pipefitter laydown in the Common Area.	**Date/Time of Release**: May 30, 2012/1845
Personnel/ Subcontractor Involved: Bechtel	**Date/Time Release Stopped:** May 30, 2012/ almost Immediately
Containment: Soil impacted with hydraulic oil was removed and placed in a Visquene-lined, hazardous waste roll off bin for disposal.	**Product ID or CAS Number:** Hydraulic Oil Product Number 273279 **Total Amount Released (units):** Approximately five gallons
Date/Time Construction Environmental Lead Notified: May 30, 2012/1850 **Person Contacted:** Rick Christopherson **Notes**:	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil impacted with hydraulic oil was removed and placed in a Visquene-lined, hazardous waste roll off bin for disposal.

Measures to Prevent Recurrence: Mechanics should ensure that oil systems are depressurized before breaching pressure boundaries. If unsure how to proceed, the employee should STOP, and get supervisory guidance before beginning the task.

Hydraulic Spill

Clean Up Activities

Area After Clean Up

Material Safety Data Sheet

[image]

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Chevron Rando HD ISO 68

Product Use: Hydraulic Oil

Product Number(s): 273279

Company Identification

Chevron Products Company

a division of Chevron U.S.A. Inc.

6001 Bollinger Canyon Rd.

San Ramon, CA 94583

United States of America

www.chevronlubricants.com

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

Product Information

email : lubemsds@chevron.com

Product Information: (800) LUBE TEK

MSDS Requests: (800) 414-6737

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT

Highly refined mineral oil (C15 - C50)	Mixture	90 - 100 %weight

SECTION 3 HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

Ingestion: Not expected to be harmful if swallowed.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

SECTION 5 FIRE FIGHTING MEASURES

Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. open flame, pilot lights, sparks, or electric arcs).

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

FLAMMABLE PROPERTIES:

Flashpoint: (Cleveland Open Cup) 150 °C (302 °F) (Min)

Autoignition: No Data Available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: DO NOT USE IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible

Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Yellow

Physical State: Liquid

Odor: Petroleum odor

pH: Not Applicable

Vapor Pressure: <0.01 mmHg @ 37.8 °C (100 °F)

Vapor Density (Air = 1): >1

Boiling Point: >315.6°C (600°F)

Solubility: Soluble in hydrocarbons; insoluble in water

Freezing Point: Not Applicable

Melting Point: Not Applicable

Specific Gravity: 0.86 - 0.87 @ 15.6°C (60.1°F) / 15.6°C (60.1°F)

Density: 0.86 kg/l - 0.9 kg/l @ 15°C (59°F)

Viscosity: 22 cSt - 61.2 cSt @ 40°C (104°F) (Min)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: No product toxicology data available.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

This material is not expected to be harmful to aquatic organisms. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

Additional Information:NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO TI OR IATA DGR

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES: 1. Immediate (Acute) Health Effects: NO

2. Delayed (Chronic) Health Effects: NO

3. Fire Hazard: NO

4. Sudden Release of Pressure Hazard: NO

5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1
01-2A=IARC Group 2A
01-2B=IARC Group 2B
02=NTP Carcinogen
03=EPCRA 313
04=CA Proposition 65
05=MA RTK
06=NJ RTK
07=PA RTK

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

One or more components is listed on ELINCS (European Union). Secondary notification by the importer may be required.

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Hydraulic oil)

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION 16 OTHER INFORMATION

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:

Label Category : INDUSTRIAL OIL 1 - IND1

REVISION STATEMENT: This is a new Material Safety Data Sheet.

Revision Date: December 04, 2008

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Chevron Energy Technology Company, 100 Chevron Way, Richmond, California 94802.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 31, 2012/1430	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On May 31, 2012 around 0950, Lorie Palkow was notified that a mower working in Unit III solar field had leaked some hydraulic oil onto the ground. The impacted soil was removed and placed in a 55 gallon drum for disposal.

Location Of Incident: Unit III Solar Field	**Date/Time of Release**: May 31, 2012/0950
Personnel/ Subcontractor Involved: Bechtel	**Date/Time Release Stopped:** May 31, 2012/ Immediately
Containment: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Hydraulic Oil Product Number 273279 **Total Amount Released (units):** Less than 0.5 gallons
Date/Time Construction Environmental Lead Notified: May 31, 2012/0950 **Person Contacted:** Lorie Palkow **Notes**:	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Soil impacted with hydraulic oil was removed and placed in a 55 gallon drum for disposal.

Measures to Prevent Recurrence: Routine maintenance is the best preventative measure.

Hydraulic Spill

Area After Clean Up

Material Safety Data Sheet

[image]

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Chevron Rando HD ISO 68

Product Use: Hydraulic Oil

Product Number(s): 273279

Company Identification

Chevron Products Company

a division of Chevron U.S.A. Inc.

6001 Bollinger Canyon Rd.

San Ramon, CA 94583

United States of America

www.chevronlubricants.com

Transportation Emergency Response

CHEMTREC: (800) 424-9300 or (703) 527-3887

Health Emergency

Chevron Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623

Product Information

email : lubemsds@chevron.com

Product Information: (800) LUBE TEK

MSDS Requests: (800) 414-6737

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT

Highly refined mineral oil (C15 - C50)	Mixture	90 - 100 %weight

SECTION 3 HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS

Eye: Not expected to cause prolonged or significant eye irritation.

Skin: Contact with the skin is not expected to cause prolonged or significant irritation. Not expected to be harmful to internal organs if absorbed through the skin. High-Pressure Equipment Information: Accidental high-velocity injection under the skin of materials of this type may result in serious injury. Seek medical attention at once should an accident like this occur. The initial wound at the injection site may not appear to be serious at first; but, if left untreated, could result in disfigurement or amputation of the affected part.

Ingestion: Not expected to be harmful if swallowed.

Inhalation: Not expected to be harmful if inhaled. Contains a petroleum-based mineral oil. May cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

SECTION 4 FIRST AID MEASURES

Eye: No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

Skin: No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

Ingestion: No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

Inhalation: No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

Note to Physicians: In an accident involving high-pressure equipment, this product may be injected under the skin. Such an accident may result in a small, sometimes bloodless, puncture wound. However, because of its driving force, material injected into a fingertip can be deposited into the palm of the hand. Within 24 hours, there is usually a great deal of swelling, discoloration, and intense throbbing pain. Immediate treatment at a surgical emergency center is recommended.

SECTION 5 FIRE FIGHTING MEASURES

Leaks/ruptures in high pressure system using materials of this type can create a fire hazard when in the vicinity of ignition sources (eg. open flame, pilot lights, sparks, or electric arcs).

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

FLAMMABLE PROPERTIES:

Flashpoint: (Cleveland Open Cup) 150 °C (302 °F) (Min)

Autoignition: No Data Available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

EXTINGUISHING MEDIA: Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures: Eliminate all sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

Reporting: Report spills to local authorities and/or the U.S. Coast Guard's National Response Center at (800) 424-8802 as appropriate or required.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: DO NOT USE IN HIGH PRESSURE SYSTEMS in the vicinity of flames, sparks and hot surfaces. Use only in well ventilated areas. Keep container closed.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures. For more information, refer to OSHA Standard 29 CFR 1910.106, 'Flammable and Combustible

Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not use pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, liquid, and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. They may explode and cause injury or death. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice.

Skin Protection: No special protective clothing is normally required. Where splashing is possible, select protective clothing depending on operations conducted, physical requirements and other substances in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton.

Respiratory Protection: No respiratory protection is normally required.

If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge.

Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Yellow

Physical State: Liquid

Odor: Petroleum odor

pH: Not Applicable

Vapor Pressure: <0.01 mmHg @ 37.8 °C (100 °F)

Vapor Density (Air = 1): >1

Boiling Point: >315.6°C (600°F)

Solubility: Soluble in hydrocarbons; insoluble in water

Freezing Point: Not Applicable

Melting Point: Not Applicable

Specific Gravity: 0.86 - 0.87 @ 15.6°C (60.1°F) / 15.6°C (60.1°F)

Density: 0.86 kg/l - 0.9 kg/l @ 15°C (59°F)

Viscosity: 22 cSt - 61.2 cSt @ 40°C (104°F) (Min)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: None known (None expected)

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: No product toxicology data available.

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydrocracking, or severe hydrotreating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3).

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

This material is not expected to be harmful to aquatic organisms. The ecotoxicity hazard is based on an evaluation of data for the components or a similar material.

ENVIRONMENTAL FATE

This material is not expected to be readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose or recycle if possible. Oil collection services are available for used oil recycling or disposal. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

The description shown may not apply to all shipping situations. Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity-specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

Additional Information:NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE.

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO TI OR IATA DGR

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES: 1. Immediate (Acute) Health Effects: NO

2. Delayed (Chronic) Health Effects: NO

3. Fire Hazard: NO

4. Sudden Release of Pressure Hazard: NO

5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1
01-2A=IARC Group 2A
01-2B=IARC Group 2B
02=NTP Carcinogen
03=EPCRA 313
04=CA Proposition 65
05=MA RTK
06=NJ RTK
07=PA RTK

No components of this material were found on the regulatory lists above.

CHEMICAL INVENTORIES:

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), ENCS (Japan), IECSC (China), KECI (Korea), PICCS (Philippines), TSCA (United States).

One or more components is listed on ELINCS (European Union). Secondary notification by the importer may be required.

NEW JERSEY RTK CLASSIFICATION:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Hydraulic oil)

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION 16 OTHER INFORMATION

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, *- Chronic Effect Indicator). These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

LABEL RECOMMENDATION:

Label Category : INDUSTRIAL OIL 1 - IND1

REVISION STATEMENT: This is a new Material Safety Data Sheet.

Revision Date: December 04, 2008

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

TLV - Threshold Limit Value	TWA - Time Weighted Average
STEL - Short-term Exposure Limit	PEL - Permissible Exposure Limit
	CAS - Chemical Abstract Service Number
ACGIH - American Conference of Government Industrial Hygienists	IMO/IMDG - International Maritime Dangerous Goods Code
API - American Petroleum Institute	MSDS - Material Safety Data Sheet
CVX - Chevron	NFPA - National Fire Protection Association (USA)
DOT - Department of Transportation (USA)	NTP - National Toxicology Program (USA)
IARC - International Agency for Research on Cancer	OSHA - Occupational Safety and Health Administration

Prepared according to the OSHA Hazard Communication Standard (29 CFR 1910.1200) and the ANSI MSDS Standard (Z400.1) by the Chevron Energy Technology Company, 100 Chevron Way, Richmond, California 94802.

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.

ENVIRONMENTAL INCIDENT REPORT

Date/Time: May 31, 2012/1100	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On May 31, 2012 around 0700, Lorie Palkow was notified that a piece of equipment working in Unit I had experienced a tire failure. The impacted soil was removed and placed in a 55 gallon drum for disposal.

Location Of Incident: Unit I	**Date/Time of Release**: May 31, 2012/0700
Personnel/ Subcontractor Involved: Bechtel	**Date/Time Release Stopped:** May 31, 2012/Immediately
Containment: Soil impacted with tire fill was removed and placed in a 55 gallon drum for disposal.	**Product ID or CAS Number:** Ecofil Flat Proofing Material **Total Amount Released (units):** Less than 16 oz
Date/Time Construction Environmental Lead Notified: May 31, 2012/0700 **Person Contacted:** Lorie Palkow **Notes**: Greg Daniel Responded	Was there any off-site impact with threat to human health and/or environment?: **No** Did release reach surface water? **No** If "yes" to either of the above two questions, initiate the Legal Instruction 127 process in coordination with the Manager of Environmental Services.

Description of Corrective Action Taken: Impacted soil was removed and placed in a 55 gallon drum for disposal.

Measures to Prevent Recurrence: Routine maintenance is the best preventative measure.

Tire Fill

Area After Clean Up