BrightSource

July 13, 2011

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: June 2011 Monthly Compliance Report No. 9

Dear Mr. Douglas,

Please find attached the Monthly Compliance Report for the Ivanpah Solar Electric Generating System for the month of June 2011 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. Comments received from Ms. Carol Watson on the BIO-18 status report have also been addressed in this report. 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,

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Environmental Compliance Manager
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Raymond Lee, Bureau of Land Management
Larry LaPre, Bureau of Land Management
John Werfal, Bureau Veritas

BrightSource

Steve DeYoung, BSE
Nickolaus Jacobs, BSE
Mike Bobinecz, BSE
Douglas Davis, BSE
Michelle Farley, BSE
John Carrier, CH2MHill
Terry Copeland, Bechtel Corporation
Peter Carr, Bechtel Corporation
Rowan Nairn, Bechtel Corporation
Lisa Maniyar, Bechtel Corporation

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. 9
June 2011 Reporting Period

July 13, 2011

Prepared by: Tracie Wheaton
Environmental Compliance Manager
BrightSource Energy
1999 Harrison Street, Suite 2150
Oakland, CA 94612

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Table of Contents

Monthly Compliance Report…… Page 1
Compliance Documentation……Exhibit 1
Ivanpah 90 Day Schedule…… Exhibit 2
Ivanpah SEGS Compliance Matrix…… Exhibit 3
Air Quality Monthly Compliance Report…… Exhibit 4
Drainage, Erosion, and Sediment Control Summary…… Exhibit 5
WEAP Program Summary……Exhibit 6
Cultural Resources Monthly Monitoring Report…….…….. Exhibit 7
Paleontological Resources Monthly Compliance Report..…….. Exhibit 8
Biological Resources Monthly Monitoring Report…… Exhibit 9
Master CBO Submittal List…… Exhibit 10
CBO Payment Documentation…… Exhibit 11
Key Events List……Exhibit 12
Agency Approvals……...Exhibit 13
MECH-1/ MECH-2 Approvals……Exhibit 14
STRUC-1 Approvals……...Exhibit 15
ELEC-1 Approvals…….. Exhibit 16
CIVIL-1 Approvals…….. Exhibit 17
GEN-5/ GEN-6 Approvals……..……Exhibit 18
TSE-5 Approvals……..……..……Exhibit 19
FAB-1 Approvals…..……..……Exhibit 20
Construction Safety Summary……..Exhibit 21

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1. The United States Fish and Wildlife Service (USFWS) approved the reinitiated Biological Opinion for the Ivanpah on June 10, 2011. A Notice to Proceed on Unit 2 and Unit 3 construction was issued by the Bureau of Land Management (BLM) on June 10, 2011. Tortoise sweeps and clearances were performed prior to in conjunction with fencing activities per the requirements in the Biological Opinion.

June site construction and compliance activities were focused on the continued development of the Construction Logistics Area (CLA) and Common Facilities, earthwork activities, continued development of the Heliostat Assembly Building (HAB) and Pad Bonding Building (PBB), preparation for Unit 1 tower installation, installation of fencing in Unit 2 and Unit 3, pylon installation in Unit 1, and continued maintenance and monitoring of environmentally sensitive areas. Biological monitoring of all construction activities continued in accordance with the requirements within the Conditions of Certification.

Unit 1

Unit 1 tower crane erection was completed this month as well as the shakeout of Unit 1 tower steel for first steel construction. Concrete placement for the Unit 1 SRSG foundation has also been completed. Ongoing activities within Unit 1 during this reporting period included mowing, auguring, and installation of pylons within the Unit 1 solar field, formwork, rebar and embedments for the STG foundation, PSB, and Air Cooled Condenser. Trenching for the underground utilities and fiber optic conduit as well as the laying of trench and cable continued this month.

Unit 2

The temporary fence around the Unit 2 power block was expanded to allow utilization of the Unit 2 laydown area. Ongoing construction activities within Unit 2 during the reporting period included formwork, rebar, and embedments for the Unit 2 SRSG Foundation, FREP for the Unit 2 PSB wall, preparation of the Unit 2 laydown area, set up of Unit 2 temporary facilities (trailers, craft break rooms and toilets), trenching for underground utilities, and fiber optic cable installation. Best management practices are being implemented along the Unit 2 perimeter fence lines.

Unit 3

The Unit 3 access road and power block were fenced, cleared, and grubbed this month. Best management practices are being implemented along the perimeter fence lines. The Unit 3 access road and power block are being rough graded.

Construction Logistics Area

The primary activities in the Construction Logistics Area (CLA) involved further development of the HAB and PBB Buildings. Activities completed in the CLA this

month include the installation of fabric panels on the HAB building, installation of fire hydrants in the HAB/PBB area, installation of the PBB and HAB insulation, and installation of Pad Bonding Equipment. Ongoing work in the CLA includes continued trenching and installation of various underground utility components and conduits, installation of HAB Heliostat assembly line equipment, HVAC system, and insulation, and installation of the fire detection system for the PBB.

Forecasted construction activities for the next project reporting period include:

- Erection of the Raw/Fire Water Tank
- Provide temporary power to Unit 1 and Unit 2 power block area.
- Commence 115v overhead work
- Mobilize administration building subcontractor
- Excavation for fuel gas line to Kern River tie-in location
- Recommence fuel gas line installation
- Set pre-cast piers for Unit 1 modular assembly
- Pave Unit 1 main access road
- Place Unit 2 SRSG Foundation
- Excavation for Unit 3 SRSG mat foundation

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.

2. 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.

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

4. 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	7.13.2011
AQSC-4	Submitted documentation of compliance with the Dust Plume Response Requirement	7.13.2011
AQSC-5	Submitted Construction Mitigation Report demonstrating compliance with the AQCMP	7.13.2011
AQSC-9	Submitted Construction Mitigation Report demonstrating compliance with Emergency Generator and Fire Pump Emission requirements	6.6.2011
AQ-17	Submitted Construction Mitigation Report demonstrating compliance with Fire Pump Emission requirements	6.6.2011
BIO-6	Submitted list of all persons having completed WEAP training in May MCR	7.13.2011
BIO-7	Submitted documentation of implementation of the measures in the BRMIMP	7.13.2011
BIO-8	Submitted documentation of implementation of the measures in the BRMIMP	7.13.2011
BIO-11	Submitted documentation of implementation of the measures in the BRMIMP	7.13.2011
BIO-20	Submitted documentation of the Streambed Impact Minimization and Compensation Measures and Jurisdictional Delineation	6.8.2011
BIO-21-BLM	Submitted request for updated BLM special-status plants list to the BLM	6.1.2011
CIVIL-1	Submitted list of all general design documents approved by the CBO in May MCR	7.13.2011
COMP-5	Submitted Compliance Matrix containing all Conditions of Certification - Pre-Construction, Construction and Operations in May MCR	7.13.2011
COMP-6	Submitted the May Monthly Compliance Report	7.13.2011
CUL-5	Submitted list of all persons having completed WEAP training in May MCR	7.13.2011
CUL-7	Submitted Cultural Resources Monitoring Report for reporting period in May MCR	7.13.2011
PAL-4	Submitted list of all persons having completed WEAP training in May MCR	7.13.2011
PAL-5	Submitted Paleontological Resources Monitoring Report for reporting period in May MCR	7.13.2011
WORKER SAFETY-3	Submitted list of all person having completed safety training during reporting period in the May MCR	7.13.2011
VIS-1	Submitted Revision No.1.2 to the Surface Treatment Plan	6.27.2011

5. Per the Conditions of Certification, the Big Horn Sheep Plan required under Condition of Certification No. B10-19 is due to be revised and resubmitted. BrightSource is working with the Society for the Conservation of Big Horn Sheep to gather information to include in the revised document. **A date specific status update on BIO-19 progress to date is included in EXHIBIT 1 – Compliance Documentation. Per the request of Christopher Dennis of CEC staff, a list of the Ground water usage at the site from October 2010 to June 2011 is included in EXHIBIT 1 – Compliance Documentation.**

6. 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 USFWS approval of the Reintiated Biological Opinion, BLM Notice to Proceed on Units 2 and 3, BLM Determination of NEPA Adequacy, BLM deferral of approval of AQSC-2 Revision 2 to the CEC, CEC Approval of AQSC-2 Revision 2, BLM deferral of approval of BIO-20 to the CEC, request from Dr. Lapre of the BLM to USFWS requesting approval of tortoise handlers, USFWS response to the BLM regarding tortoise handlers, BLM letter regarding special status plants under COC-BIO-21-BLM, and approval from Dr. Larry LaPre of the BLM to the CEC for biological monitors.

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

8. The Ivanpah SEGS on-site compliance file is maintained at the project site by the Ivanpah Site 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

1. Summary of BLM Compliance Level Reports for June 2011

Ivanpah 1 - Right-of-Way Lease/Grant Serial No. CACA-49504

Compliance Level/ Report Number	Date	Description	Corrective Action
Communication			
		None for this period	
Problem Area			
		None for this period	
Noncompliance			
		None for this period	

Ivanpah 2 - Right-of-Way Lease/Grant Serial No. CACA-48668

Compliance Level/ Report Number	Date	Description	Corrective Action
Communication			
		None for this period	
Problem Area			
		None for this period	
Noncompliance			
		None for this period	

Ivanpah 3 - Right-of-Way Lease/Grant Serial No. CACA-49503

Compliance Level/ Report Number	Date	Description	Corrective Action
Communication			
		None for this period	
Problem Area			
		None for this period	
Noncompliance			
		None for this period	

CLA - Right-of-Way Lease/Grant Serial No. CACA-49502

Compliance Level/ Report Number	Date	Description	Corrective Action
Communication			
		None for this period	
Problem Area			
Daily Activity Log 6/21/2011	6/21/2011	Electrical work in uncleared area without biological monitors present.	Bright Source Compliance Manager notified and work was immediately stopped. Contractor reprimanded by Bechtel and Bright Source management.
Noncompliance			
		None for this period	

Ivanpah SEGS

Condition of Certification BIO-19 Status Update

Date	Activity Description
1/21/2011	Tracie Wheaton emailed the CEC and BLM requesting a meeting to discuss COC-BIO-19.
2/14/2011	BSE and CH2MHill staff met with CEC and BLM staff to discuss an amendment to COC BIO-19. Based on this meeting staff requested a detailed minor amendment of the BHSPlan including discussions on location for proposed drinker repairs or new drinkers, costs, and maintenance information.
2/25/2011	Tracie Wheaton spoke with Cliff McDonald of Water for Wildlife and discussed aeas where potential drinker repairs could be made. That group primarily focuses on small game drinker repairs.
3/3/2011	Tracie Wheaton called Gary Thomas of the SCBS requesting more detailed information on which Big Horn drinkers might need repairs near the Ivanpah site. Gary Stated that the group was doing an inventory of all of their existing drinkers in March and April and would get a list together to use in preparing a revised BHS plan.
March to April 2011	Society for the Conservation of Big Horn Sheep performed an inventory of their existing Big Horn Drinkers.
5/17/2011	Tracie Wheaton emailed Gary Thomas of SCBS requesting a list of Big Horn Drinkers in need of repair based on the April 2011 inventory, estimated cost of comleting the repairs, and an estimated cost of building a new drinker including annual maintenance. Tracie spoke with Gary by phone and Gary stated he would have the information to her by May 19, 2011. No information was ever received.
5/18/2011	Tracie Wheaton received and email from Hanem Abouelezz, a bioloist with the Needles Field Office with a map of two potential locations for a new Big Horn drinker.
5/23/2011	Tracie Wheaton received and email from Hanem Abouelezz stating that Dr. Larry LaPre had identified an additional potential locations for a new Big Horn drinker.
5/23/2011	Tracie Wheaton emailed Gary Thomas of SCBS requesting a list of Big Horn Drinkers in need of repair, estimated cost of comleting the repairs, and an estimated cost of building a new drinker including annual maintenance. Also left Gary a phone message.
5/24/2011	Tracie Wheaton received an email message from Gary Thomas stating the information would be provided that evening. No information was ever received.
5/31/2011	Tracie Wheaton phoned Gary Thomas of SCBS and left a message requesting a list of Big Horn Drinkers in need of repair, estimated cost of comleting the repairs, and an estimated cost of building a new drinker including annual maintenance.
5/31/2011	Tracie Wheaton received an email message from Gary Thomas stating the information would be emailed by June 3, 2011. No information was ever received.
6/3/2011	Tracie Wheaton emailed Joseph Douglas the CEC Compliance Project Manager stating that the infromation from the SCBS was due on June 3, 2011 and a revised plan would be submitted shortly thereafter.
6/8/2011	Tracie Wheaton emailed Gary Thomas of SCBS requesting a list of Big Horn Drinkers in need of repair, estimated cost of comleting the repairs, and an estimated cost of building a new drinker including annual maintenance. Also left Gary a phone message.

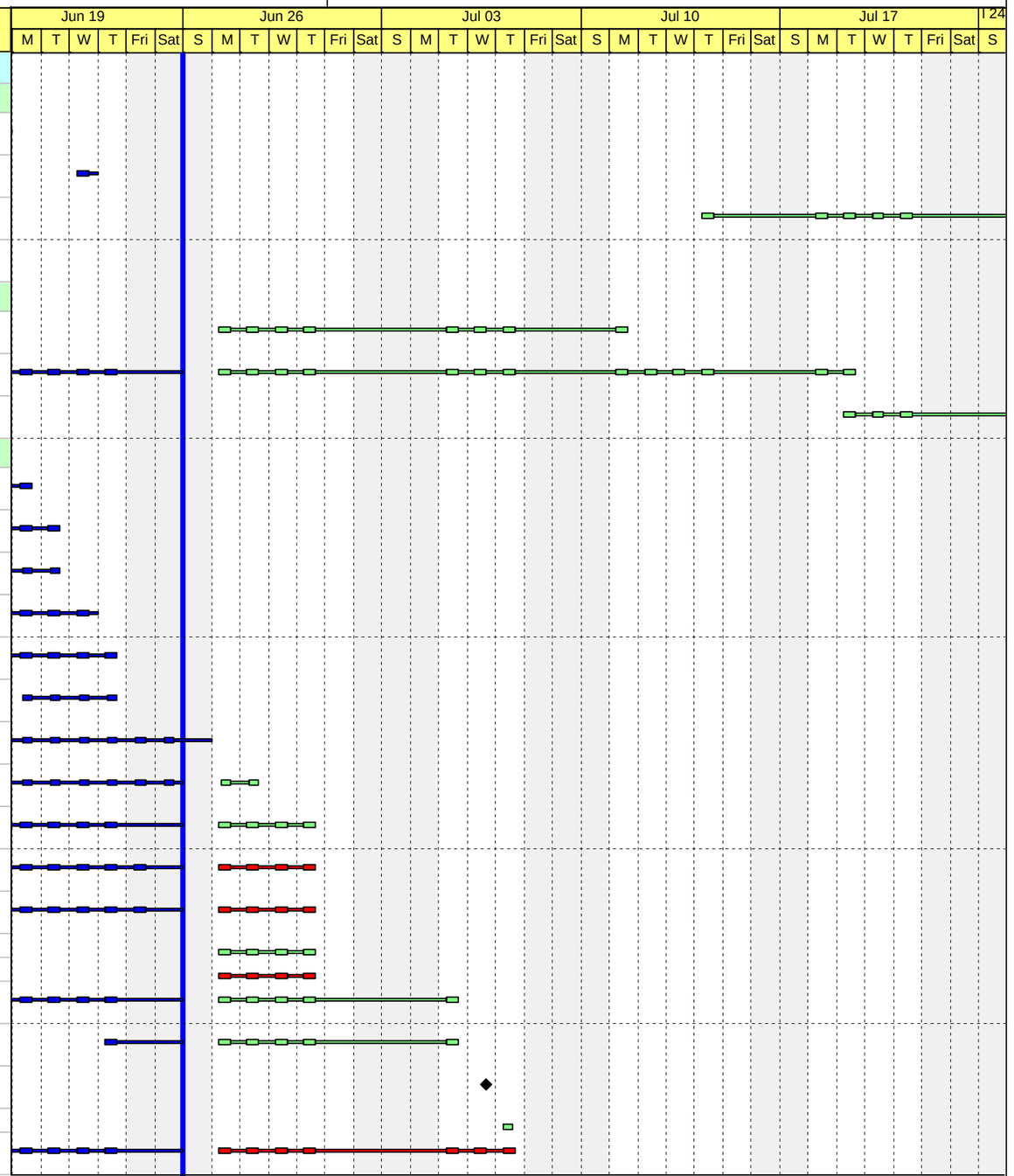
6/9/2011	Tracie spoke with Gary by phone and Gary stated he would have the information to her by June 13, 2011. No information was ever received.Tracie Wheaton also emailed Gary Thomas of SCBS again requesting a list of Big Horn Drinkers in need of repair, estimated cost of comleting the repairs, and an estimated cost of building a new drinker including annual maintenance.
6/27/2011	Tracie Wheaton emailed Gary Thomas of SCBS requesting a list of Big Horn Drinkers in need of repair, estimated cost of comleting the repairs, and an estimated cost of building a new drinker including annual maintenance. Also left Gary a phone message.
7/6/2011	Tracie Wheaton left a phone message for Gary Thomas - Project Coordinator, Steve Marschke - President, and Glenn Sudmeier - 1st Vice President requesting a list of Big Horn Drinkers in need of repair, estimated cost of comleting the repairs, and an estimated cost of building a new drinker including annual maintenance. Tracie spoke with Robert Burke, an SCBS Officer regarding the need for the information. Bob stated that the information request was an action item on the June SCBS agenda and the Board approved the request for information. Bob requested that Tracie send and email to himself and Steve Marschke the President requesting the information. Tracie sent that email. Bob also stated that there is a SCBS Board meeting on July 12, 2011. Tracie Wheaton plans to attend the meeting to attempt to get the information.
7/11/2011	Gary Thomas called Tracie Wheaton to confirm her attendance at the July SCBS meeting on July 12.
7/12/2011	Tracie Wheaton attended the June SCBS Board Meeting at Bass Pro Shops in Rancho Cucamonga California.

IVANPAH ISEGS - TRACKING THE ANNUAL VOLUME OF GROUNDWATER USED			
Month	Groundwater Used (gallons)	Groundwater Used (acre-feet)	Percent of Annual Limit Used
October	49,500.00	0.15	0.08%
November	2,993,100.00	9.19	4.59%
December	3,515,400.00	10.79	5.39%
January	3,881,700.00	11.91	5.96%
February	3,650,400.00	11.20	5.60%
March	3,963,200.00	12.16	6.08%
April	3,687,000.00	11.31	5.66%
May	3,713,000.00	11.39	5.70%
June	4,994,000.00	15.33	7.66%
TOTAL	**18,053,300.00**	**55.40**	**27.70%**
Annual Groundwater Use Limit	65,170,280.70	200.00	

Exhibit 2

Ivanpah SEGS 90-day Schedule
Condition of Certification
COMP-6

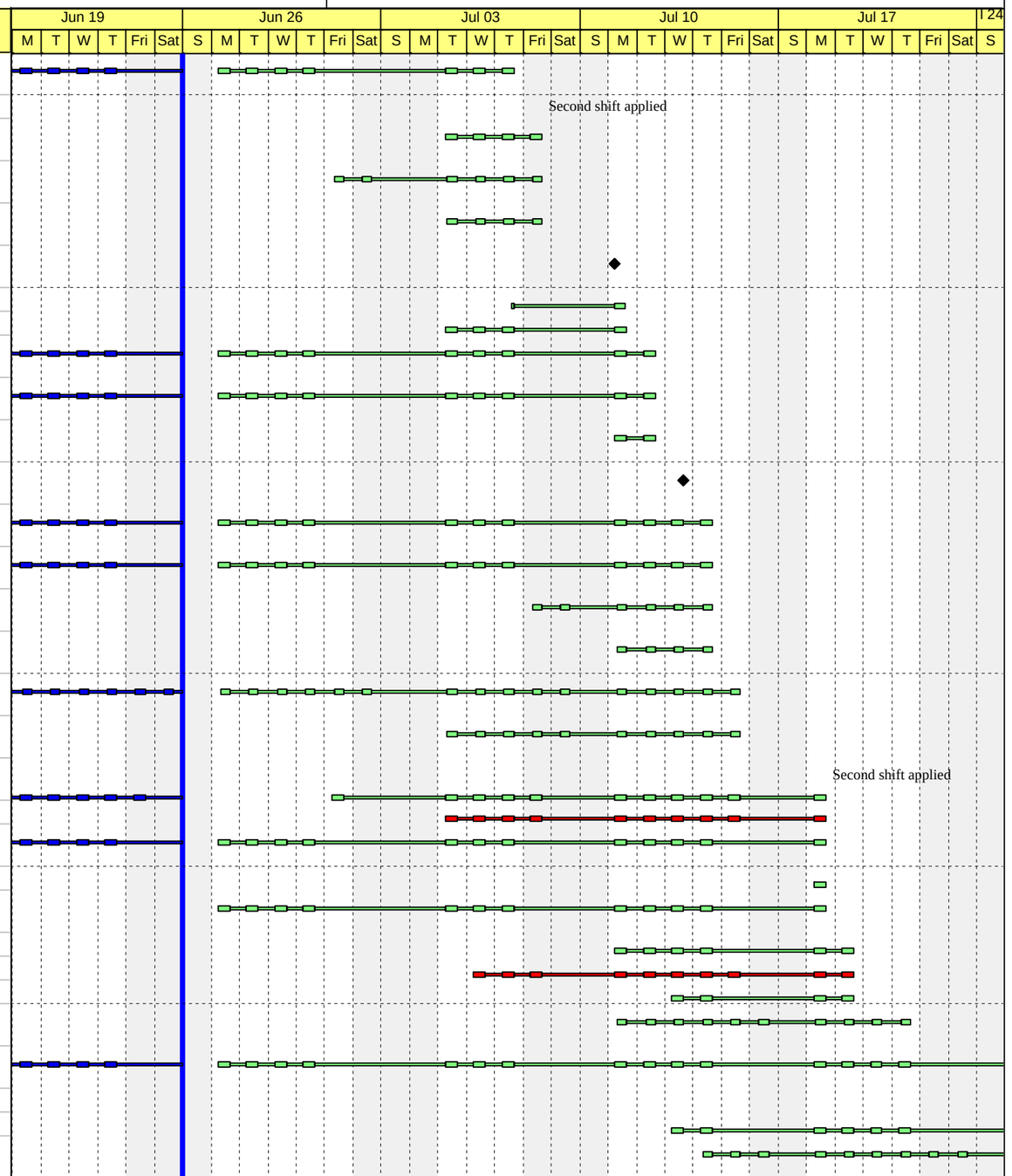
Activity ID	Activity Name	Rem. Dur.	Start	Finish	RESP
COMMON AREA					
Yard Area, W					
BC1012C-205	Common: DA00: SRSG Mod Precast Pads - Prep FMR	0	20-Jun-11 A	20-Jun-11 A	C. Mallon
BC1012C-207	Common: DA00: SRSG Mod Precast Pads - Bid, Eval & Award	0	22-Jun-11 A	23-Jun-11 A	K. Phagoo/I.Harris
BC1012C-208	Common: DA00: SRSG Mod Precast Pads - Fab & Deliver	12	14-Jul-11	03-Aug-11	K. Phagoo/I.Harris
BC1012C-210	Common: DA00: SRSG Mod Precast Pads - Excavate & Set	8	04-Aug-11	17-Aug-11	R. Lichtenhahn
Yard Area / Colosseum Rd / Fuel Gas Line E of U2					
BC0015C-005	PZ00: FG Pipeline Install - Remove & Replace Tortoise Fence Along Colusseum road for Fuel Gas	8	27-Jun-11	11-Jul-11	Crown Fencing
BC0028C-210	Common Area: Roadway Lighting	13	24-Feb-11 A	19-Jul-11	A. West
BC0015C-015	PZ00: FG Pipeline Install - Install & Test Ph2- From Ditch 9B up to/including Pigging Station - Ditch 30	16	19-Jul-11	15-Aug-11	F. Cisco
Common Area / Fuel Gas Line / Heliostat Bldg Area					
BC8652C-160	HAB Steel - Fab / Deliver Internal Off-Loading Steel	0	12-Apr-11 A	20-Jun-11 A	JR. Steinem
BC0016C-100	Common Area: Install 375' U/G PVC Conduit under existing T-Line ROW for SCE 33Kv tie-in	0	15-Jun-11 A	21-Jun-11 A	A. West
BC8613C-250	HAB - Install Structure Doors	0	16-May-11 A	21-Jun-11 A	JR. Steinem
BC7515C-115	HAB: Hydro & Wrap Valves - Ditch 14 & 5 to 15	0	14-Jun-11 A	23-Jun-11 A	F. Cisco
BC8627C-300	HAB - Install Lighting & Power	0	02-May-11 A	23-Jun-11 A	A. West
BC8613C-420	HAB - Install 6 personnel doors	0	20-Jun-11 A	23-Jun-11 A	JR. Steinem
BC8613C-330	HAB - Install 1" Flat Bar N/S End Walls	0	16-Jun-11 A	27-Jun-11 A	JR. Steinem
L041	Erect Warehouse Structure, incl finishes [2 - 80x120]	2	23-May-11 A	28-Jun-11	JR. Steinem
BC8614C-100	Pad Bonding Building 2 - Install HVAC Ductwork	4	18-Apr-11 A	30-Jun-11	K. Mattner
BC8627C-330	HAB - Layout / Install Conveyor Switch / Track [Slides 17~19]	4	13-Jun-11 A	30-Jun-11	M. Wagner
BC8627C-350	HAB - Install Eisenmann Conveyor	4	14-Jun-11 A	30-Jun-11	M. Wagner
BC0015C-132	HAB: Install Pipe Ditch 5 to Ditch 15	4	27-Jun-11*	30-Jun-11	F. Cisco
BC8624C-100	HAB: Generate DS / FMR for Temp Fire Water System	4	27-Jun-11	30-Jun-11	J. Cassidy
BC8612C-110	HAB -Set Auxiliary Containers and Offices	5	23-May-11 A	05-Jul-11	J. Mouilso
BC0015C-131	HAB: Backfill PF Ditch 5 to Ditch 15 & Ditch 14	5	23-Jun-11 A	05-Jul-11	R. Lichtenhahn
BO00OWC-055	SCE Power Available to Common Area Tap #5 33 kV [Heliostat] (OWNER)	0		06-Jul-11	T. Copeland
BS8628C-035	Common: 33kV/480V Heliostat Bldg - Energize & Test	1	07-Jul-11	07-Jul-11	Elemental
BC8627C-130	HAB - Install HVAC Ductwork	7	18-May-11 A	07-Jul-11	K. Mattner



Actual Work | Critical Remaining Work | Remaining Work | Milestone

TASK filters: 6-WEEK LOOK AHEAD_stwp, IPAH - STWP_Constr, IPAH - STWP_Constr_Act, Level of Effort.

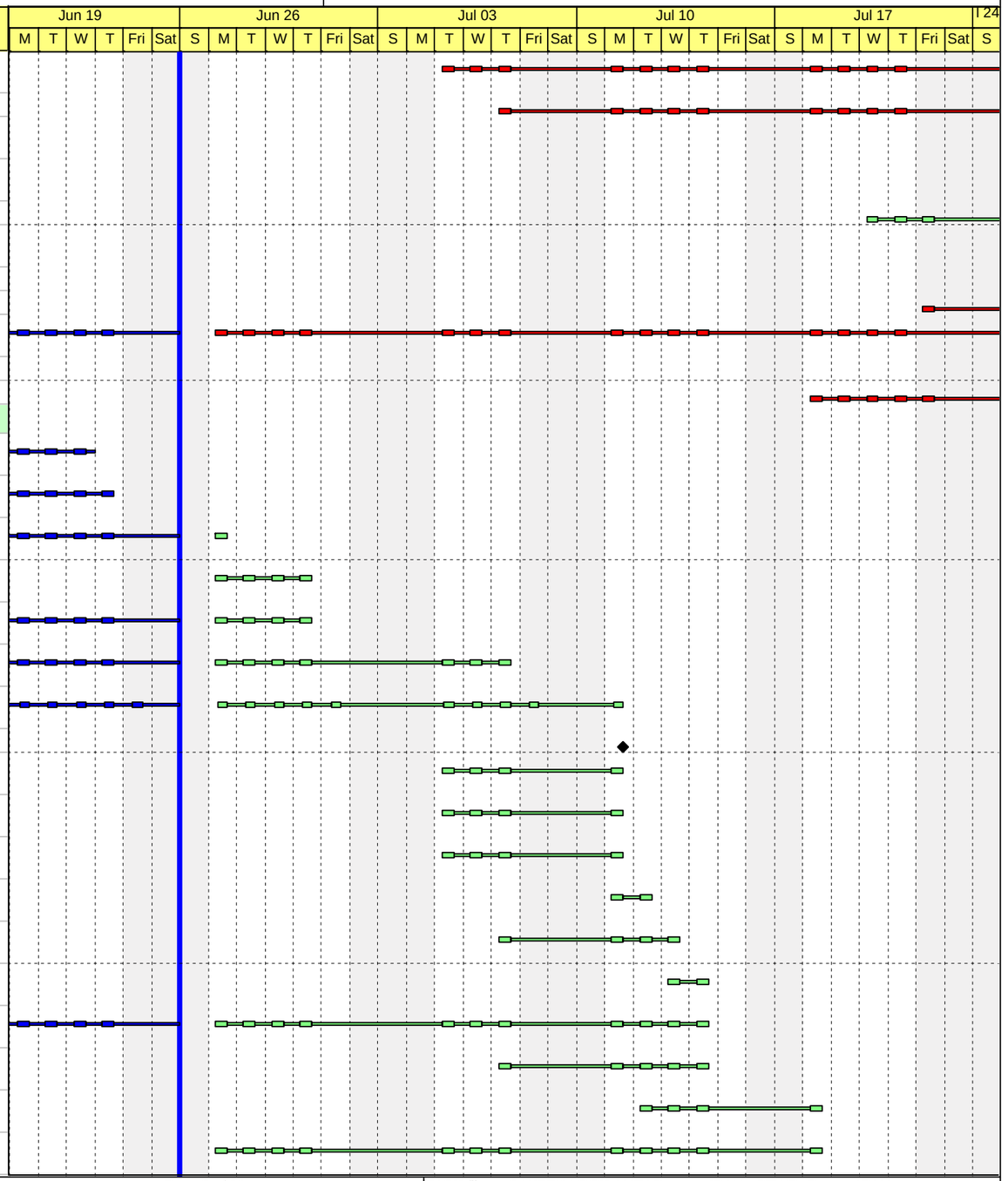
Activity ID	Activity Name	Rem. Dur.	Start	Finish	RESP
BC8614C-110	Pad Bonding Building 1 - Install HVAC Ductwork	7	02-May-11 A	07-Jul-11	K. Mattner
BC8627C-201	Pad Bonding Building 2 - Install Gantry Cranes [Slide 12]	6	30-Jun-11	08-Jul-11	M. Wagner
BC8613C-350	HAB - Install/Tension Chuckwagon N/S End - Turnbuckle	4	05-Jul-11	08-Jul-11	JR. Steinem
BC8613C-400	Pad Bonding Building 2 - Install 1" Flat Bar N/S End Walls	6	01-Jul-11	08-Jul-11	JR. Steinem
BC8613C-390	Pad Bonding Building 2 - Install/Tension Chuckwagon N/S End - Turnbuckle	4	05-Jul-11	08-Jul-11	JR. Steinem
BCETP3C-260	Owner: Resolve ROW issues 33kV [SCE/LADWP] - Pipe Release	0		11-Jul-11*	T. Copeland
BS8628C-075	Common: 33kV/480VTap #5 Construction Facilities - Test & Energize	1	07-Jul-11	11-Jul-11	Elemental
L222	Set Procurement Warehouse Trailer	4	05-Jul-11	11-Jul-11	J. Mouilso
BC8613C-190	Pad Bonding Building 1 - Install Insulation & Duct	9	02-May-11 A	12-Jul-11	K. Mattner
BC8613C-210	HAB - Install Insulation & Duct	9	18-May-11 A	12-Jul-11	K. Mattner
BC0015C-225	Common Area: Excavate FG/WR/PF - Ditch 8 (Right of Way)	2	11-Jul-11	12-Jul-11	R. Lichtenhahn
BO00OWC-190	SCE Common Area Tap #1 33 kV Power Available [Unit 1] (OWNER)	0		13-Jul-11	T. Copeland
BC8614C-130	Pad Bonding Building 2 - Install Fire Detection System	11	02-May-11 A	14-Jul-11	K. Mattner
BC8614C-150	Pad Bonding Building 1 - Install Fire Detection System	11	09-May-11 A	14-Jul-11	K. Mattner
BC8613C-370	Pad Bonding Building 1 - Install 1" Flat Bar N/S End Walls	6	08-Jul-11	14-Jul-11	JR. Steinem
BC8613C-360	Pad Bonding Building 1 - Install/Tension Chuckwagon N/S End - Turnbuckle	4	11-Jul-11	14-Jul-11	JR. Steinem
BC8613C-340	HAB - Secure East/West Side Walls To Concrete	16	15-Jun-11 A	15-Jul-11	JR. Steinem
BC8613C-410	Pad Bonding Building 2 - Secure East/West Side Walls To Concrete	10	05-Jul-11	15-Jul-11	JR. Steinem
BC8627C-172	PBB 2 - Install Utilities [Tie into equipment for Piping/Electrical] [Slide 11]	11	31-May-11 A	18-Jul-11	F. Cisco
BC8627C-360	HAB - Install Eisenmann Control / Distribution Panels	10	05-Jul-11*	18-Jul-11	M. Wagner
BC0015C-190	Pad Bonding Building 2 - Install Ring Main IA/WW/PW	12	02-May-11 A	18-Jul-11	F. Cisco
BC0015C-215	Pad Bonding Building 2 - Hydro Ring Main IA/WW/PW	1	18-Jul-11	18-Jul-11	F. Cisco
BC8652C-161	HAB Steel - Fab / Deliver External Off-Loading Steel	12	27-Jun-11	18-Jul-11	K. Phagoo/I.Harris
BC8628C-010	HAB - Install Control Center	6	11-Jul-11	19-Jul-11	M. Wagner
BC8627C-351	HAB - Install Eisenmann BusBar	10	06-Jul-11	19-Jul-11	M. Wagner
BC0015C-133	HAB: Install remaining poles around HAB	4	13-Jul-11	19-Jul-11	Elemental
BC8613C-380	Pad Bonding Building 1 - Secure East/West Side Walls To Concrete	10	11-Jul-11	21-Jul-11	JR. Steinem
BC0015C-200	Pad Bonding Building 1 - Install Ring Main IA/WW/PW	16	20-Jun-11 A	25-Jul-11	F. Cisco
BC0015C-210	Pad Bonding Building 1 - Hydro Ring Main IA/WW/PW	1	26-Jul-11	26-Jul-11	F. Cisco
BC0015C-230	Common Area: Install & Hydro FG/WR/PF - Ditch 8 (Right of Way)	8	13-Jul-11	26-Jul-11	F. Cisco
BC8613C-304	HAB - Install & Complete QC Scanner	13	14-Jul-11*	28-Jul-11	JR. Steinem



Actual Work | Critical Remaining Work | Remaining Work | Milestone

TASK filters: 6-WEEK LOOK AHEAD_stwp, IPAH - STWP_Constr, IPAH - STWP_Constr_Act, Level of Effort.

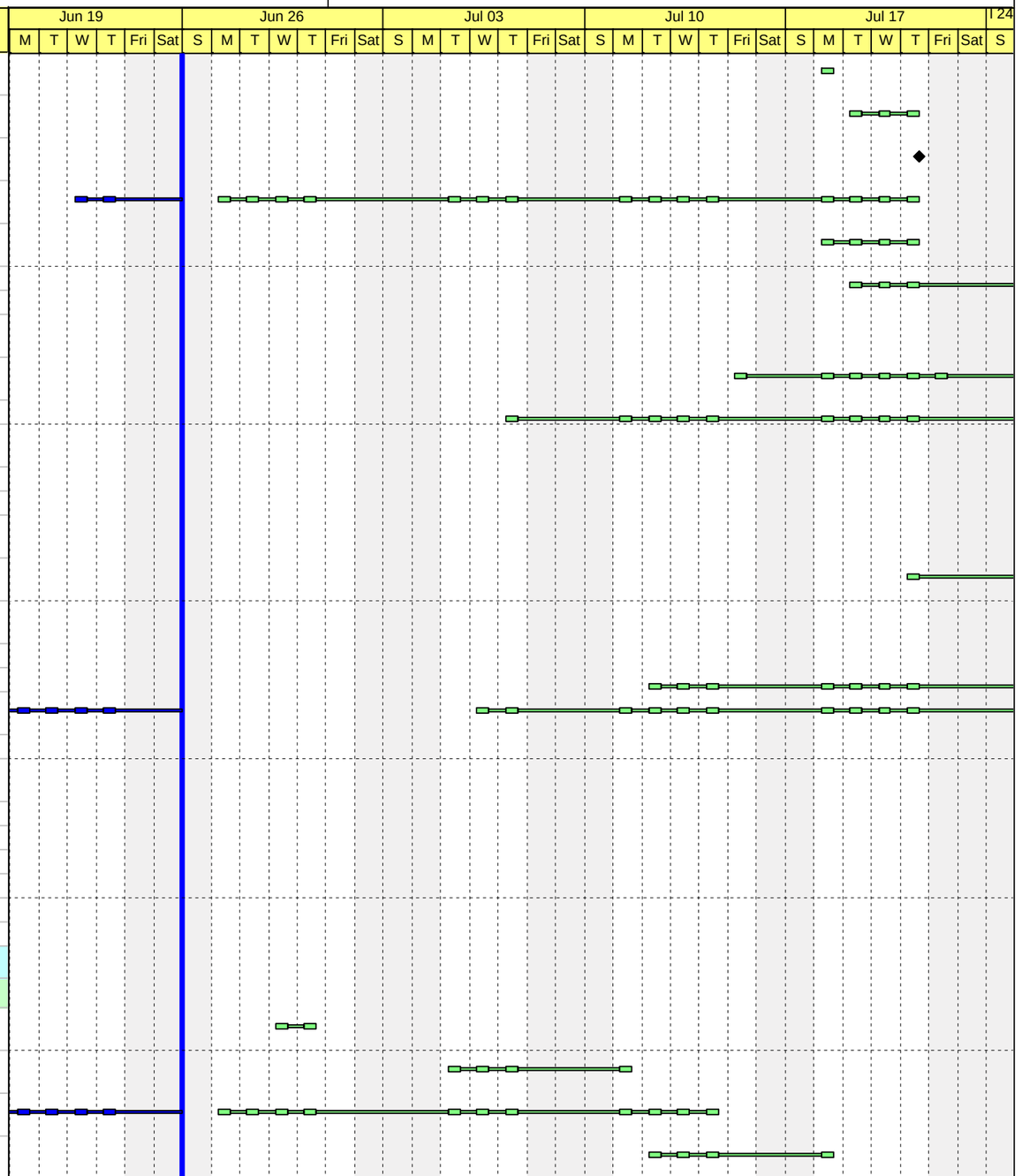
Activity ID	Activity Name	Rem. Dur.	Start	Finish	RESP
BC8624C-110	HAB: Procure/Deliver Temp Fire Water System	16	05-Jul-11	01-Aug-11	K. Phagoo/I.Harris
BC8627C-185	HAB - Install Steel / Divider Walls / Roof [Slides 17~19]	15	07-Jul-11	02-Aug-11	M. Wagner
BC0015C-235	Common Area: Backfill FG/WR/PF - Ditch 8 (Right of Way)	4	27-Jul-11	02-Aug-11	R. Lichtenhahn
BC8614C-180	Pad Bonding Building 2 - FREP AHU Foundation	4	03-Aug-11	09-Aug-11	R. Lichtenhahn
BC8627C-420	HAB - Install External Steel / Monorails [Slides 17~19]	15	20-Jul-11	09-Aug-11	M. Wagner
BC8627C-205	HAB - FREP AHU Foundation	4	03-Aug-11	09-Aug-11	R. Lichtenhahn
BC8613C-280	HAB - Install Fire Detection/Protection System	7	01-Aug-11	10-Aug-11	K. Mattner
BC8627C-370	HAB - Install Eisenmann Control / Distribution Raceway / Cabling	15	22-Jul-11	11-Aug-11	M. Wagner
BC0015C-220	HAB - Install & Test IA	27	02-May-11 A	11-Aug-11	F. Cisco
BC8624C-120	HAB: Install /Test Temp Fire Water System	8	02-Aug-11	15-Aug-11	F. Cisco
BC8627C-110	HAB - Install HAS Assembly Platforms / Equipment [Slides 20~24]	28	18-Jul-11*	24-Aug-11	M. Wagner
Common Area / Switchyard / Admin Bldg / Well, S of U2					
BC0015C-160	Common Area: Install/Hydro WR Ditch 16	0	06-Jun-11 A	23-Jun-11 A	F. Cisco
BC3312C-875	Common: Install Admin Area Raceway & Manholes - Ditch 13	0	12-May-11 A	23-Jun-11 A	A. West
BC0016C-020	Common Area - Backfill around Fire Pump Module	1	07-Jun-11 A	27-Jun-11	R. Lichtenhahn
BC3312C-810	Common: ETP2-1: 33 kV/480V Admin Bldg Transformer Foundation FREP (9-EC-ET-0001)	4	27-Jun-11	30-Jun-11	R. Lichtenhahn
BC0015C-170	Common Area: Install/Hydro PF & Hydrants - Ditch 13	4	06-Jun-11 A	30-Jun-11	F. Cisco
BC0015C-161	Common Area: Backfill WR Ditch 16	7	07-Jun-11 A	07-Jul-11	R. Lichtenhahn
BFMT001-090	MT00: Field Erected Tanks - Fab & Ex-Works	10	25-Apr-11 A	11-Jul-11	Allstate
BFMT001-100	Common: MT00 - Raw / Fire Water Tank - Delivery	0		11-Jul-11	Allstate
BC0015C-185	Common Area: Backfill PF Ditch 13	4	05-Jul-11	11-Jul-11	R. Lichtenhahn
BC7112C-582	Common Area: Backfill around Raw/ Fire Water Tank	4	05-Jul-11*	11-Jul-11	R. Lichtenhahn
BC8112C-883	Common: ETP2-1: 33kV/480V Admin Bldg Transformer Backfill to Grade	4	05-Jul-11	11-Jul-11	R. Lichtenhahn
BC8128C-030	Common: ETP2-1: 33 kV/480V Admin Bldg Transformer - Install (9-EC-ET-0001)	2	11-Jul-11*	12-Jul-11	Elemental
BC7124C-190	Common Area: Fire Water Recovery Tank - Prep Area & Fine Grade	4	07-Jul-11	13-Jul-11	R. Lichtenhahn
BC8116C-060	Common Area: Install U/G Cable from Tap #4 Pole Mounted Recloser to 33 kV/480V Admin Bldg Transformer (100 ft)	2	13-Jul-11	14-Jul-11	Elemental
BC0011C-560	Common Area: CT20 - Well Drilling -Permanent Pumps & Local Piping - Award PO	11	21-Mar-11 A	14-Jul-11	T. Wilson
BC7124C-212	Common Area: Fire Water Recovery Tank - Purchase	5	07-Jul-11*	14-Jul-11	K. Phagoo/I.Harris
BC8112C-010	Common Area: AKBS-1 - Admin Building - Subcontractor Mob / WEAP training	4	12-Jul-11	18-Jul-11	Fulmer
BC0016C-016	EWZ0: Install 115Kv Dead-end Structure at SCE Substation & Terminate Cable	12	27-Jun-11	18-Jul-11	Elemental



Actual Work | Critical Remaining Work | Remaining Work | Milestone

TASK filters: 6-WEEK LOOK AHEAD_stwp, IPAH - STWP_Constr, IPAH - STWP_Constr_Act, Level of Effort.

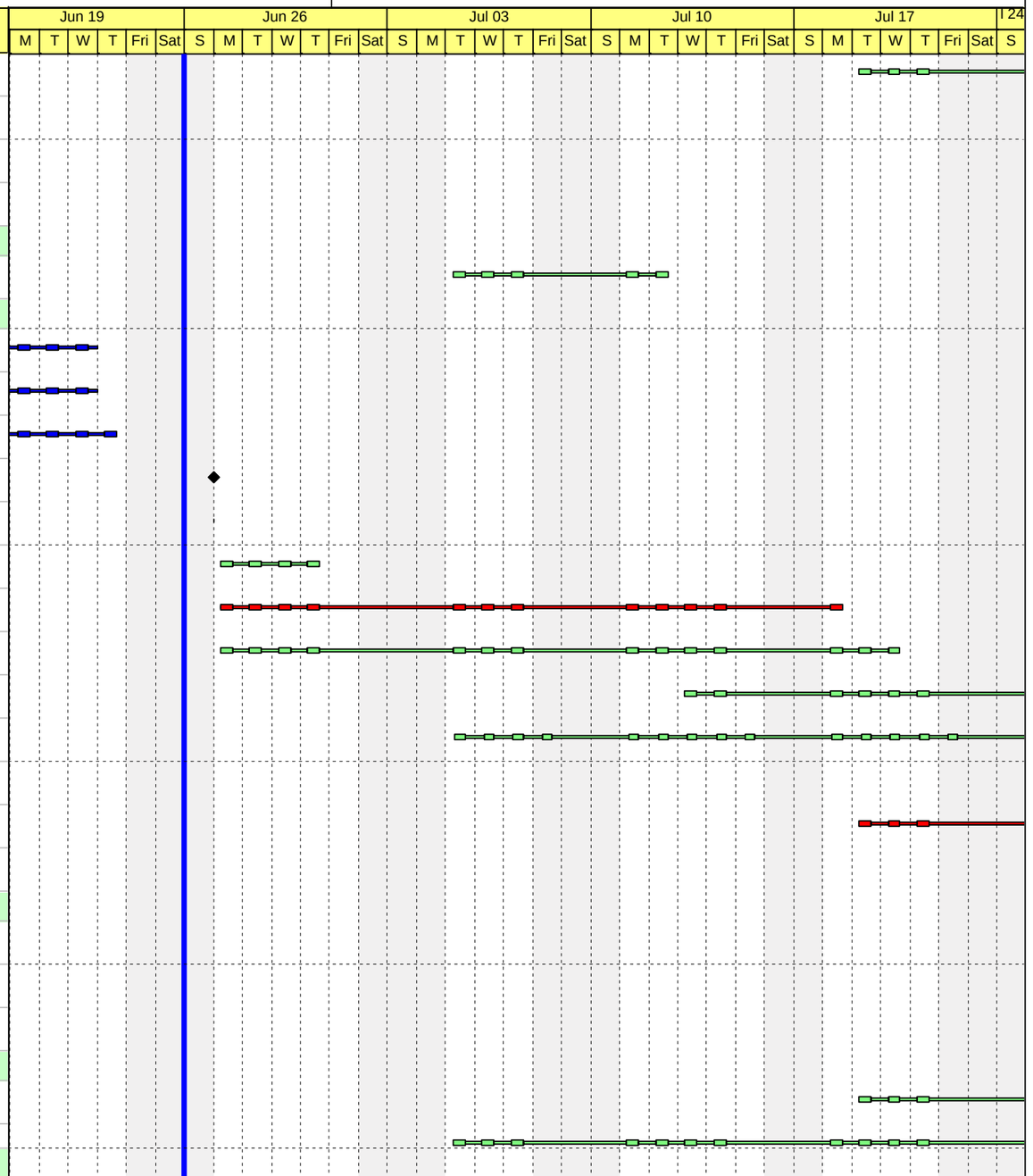
Activity ID	Activity Name	Rem. Dur.	Start	Finish	RESP
BS8128C-068	Common: 9ES-1: 33 kV/480V Admin Bldg Transformer - Construc Turnover (9-EC-ET-0001)	1	18-Jul-11	18-Jul-11	A. West
BS8128C-070	Common: 9ES-1: 33 kV/480V Admin Bldg Transformer - Checkout (9-EC-ET-0001)	3	19-Jul-11	21-Jul-11	A. West
BS8128C-080	Common: 9ES-1 33 kV/480V Admin Bldg Transformer - Power Available	0		21-Jul-11	A. West
BC35352-100	U2: EZ00: SWYD & T-Line S/C - Furnish, Erect & Test OH Line from Common area to U2	15	22-Jun-11 A	21-Jul-11	Elemental
BC7124C-222	Common Area: Fire Water Recovery Tank - Deliver	4	18-Jul-11	21-Jul-11	K. Phagoo/I.Harris
BC3312C-890	Common: Excavate U/G Conduit to Admin Building connetions	4	19-Jul-11	25-Jul-11	Fulmer
BC7124C-200	Common Area: Fire Water Recovery Tank - Set & Trim Out	1	25-Jul-11	25-Jul-11	K. Mattner
BC0011C-220	Common Area: CT20 - Well Drilling -Deliver Permanent Pumps & Local Piping	1	26-Jul-11	26-Jul-11	T. Wilson
BC0011C-570	Common Area: CT20 - Well Drilling -Fab Permanent Pumps & Local Piping	8	15-Jul-11	26-Jul-11	T. Wilson
BC7521C-110	Common: MPGF: Fire / Jockey Pumps - Set Equipment / Trim Out	12	07-Jul-11	27-Jul-11	K. Mattner
BCETP3C-250	Owner: Resolve ROW issues 115kV [BLM/LADWP]	0		01-Aug-11*	T. Copeland
BC3312C-891	Common: Install U/G Conduit to Admin Building connections	4	26-Jul-11	01-Aug-11	Fulmer
BC7124C-201	Common Area: Fire Water Recovery Tank - Test	4	26-Jul-11	01-Aug-11	K. Mattner
BC7112C-604	Common Area: FREP Pipe Supports to Fire Pump House	3	28-Jul-11	02-Aug-11	R. Lichtenhahn
BC8116C-070	Common Area: Install U/G Cable from 33 kV/480V Admin Bldg Transformer to Well Pump Area	8	21-Jul-11	03-Aug-11	A. West
BC0011C-225	Common Area: CT20 - Well Drilling -Install Permanent Pumps & Local Piping	4	28-Jul-11	03-Aug-11	T. Wilson
BC7112C-603	Common Area: Connect A/G Pipe to Fire Pump House	4	28-Jul-11	03-Aug-11	F. Cisco
BC7124C-100	Common Area: MT00 - Raw / Fire Water Tank - Erect & Trim	15	12-Jul-11	04-Aug-11	Allstate
BC3511C-150	Common Area: CE01 - Site Prep - Establish Berm & Armor Rock	19	31-Jan-11 A	08-Aug-11	Las Vegas Paving
BC7124C-202	Common Area: Fire Water Recovery Tank - Trim	4	02-Aug-11	08-Aug-11	K. Mattner
BC0016C-130	EWZ0: 115Kv T-Line UG XLPE Cable - Finalize Snow Fence, Trench & Install UG Cable - from Splice to SCE Switchyard	10	02-Aug-11	17-Aug-11	Elemental
BCPF16C-020	Common: PF - Install Wire & Cable	12	01-Aug-11	18-Aug-11	A. West
BC8112C-100	Common Area: AKBS - Admin Bldg - FREP	16	26-Jul-11	22-Aug-11	Fulmer
BC3712C-220	Common Area: Septic/Sewage Tank FREP	12	02-Aug-11	22-Aug-11	Fulmer
BC0011C-240	Common Area: CT20 - Well Drilling - Test permanent pumps	12	04-Aug-11	24-Aug-11	T. Wilson
BFAKBSC-051	AKBS-1: Admin Building - Detailing / Fab / Deliver	55	26-Jul-11	11-Oct-11	Fulmer
BCPS021-340	Common Area: Install A/G WR Pipe	48	04-Aug-11	26-Oct-11	F. Cisco
UNIT 1					
Powerblock Yard Area Underground, SE					
BC33121-044	U1: ETP2-1: 33kV/480V MCC Construction Power Transformer Foundation Excavate (TP-2X SE corner of ACC)	2	29-Jun-11*	30-Jun-11	R. Lichtenhahn
BC33161-045	U1: Install FND embedded conduit for Construction Power Transformer and Switchboard (TP-2X, EA-2X)	4	05-Jul-11*	11-Jul-11	A. West
BC00161-330	U1: Powerblock Yard Area - Install Grounding	11	29-Mar-11 A	14-Jul-11	A. West
BC33121-060	U1: ETP2-1: 33kV/480V MCC Construction Power Transformer Foundation FREP (TP-2X SE corner of ACC)	4	12-Jul-11	18-Jul-11	R. Lichtenhahn



Actual Work | Critical Remaining Work | Remaining Work | Milestone

TASK filters: 6-WEEK LOOK AHEAD_stwp, IPAH - STWP_Constr, IPAH - STWP_Constr_Act, Level of Effort.

Activity ID	Activity Name	Rem. Dur.	Start	Finish	RESP
BC00121-1000	U1: EAA1-1 :FREP Constr Power Switchboard (EA-2X SE corner of ACC)	4	19-Jul-11	25-Jul-11	R. Lichtenhahn
BC33281-060	U1: ETP2-1: 33kV/480V MCC Construction Power Transformer - Install (TP-2X SE corner of ACC)	4	26-Jul-11	01-Aug-11	A. West
BC00281-1000	U1: EAA1-1: Install Constr Power Switchboard (EA-2X SE corner of ACC)	2	02-Aug-11	03-Aug-11	A. West
BS33121-060	U1: ETP2-1: 33kV/480V Construction Power Transformer - Checkout Temporary Power (1-TP-1X, 2X)	4	02-Aug-11	08-Aug-11	A. West
Boiler / Tower Underground					
BC10121-110	U1: DA00-2: Tower Mod Precast Pads - Excavate & Set	5	05-Jul-11	12-Jul-11	T. Cameron
Boiler / Tower Level 1					
BC10131-000	U1:Tower Steel shakeout Tier 1 & 4	0	16-Jun-11 A	23-Jun-11 A	T. Cameron
BC10131-810	U1:Tower Crane - Erect Initial Tower Sections (pre-load test)	0	13-Jun-11 A	23-Jun-11 A	T. Cameron
BCTAS1X-250	TAS1: Scaffolding Purchase - Prep Spec / FMR	0	13-Jun-11 A	23-Jun-11 A	JR. Steinem
BZ00131-100	U1: ERECT FIRST STEEL starting at EL 100'	0	27-Jun-11 A		T. Cameron
BCACE01-140	U1: ACE0-1: Construction Elevator - 2 Week Advance Notification for Mobilize TA	0	27-Jun-11 A	27-Jun-11 A	K. Phagoo/I.Harris
BC10131-814	U1:Tower Crane - Test @ Initial Operating Height	4	27-Jun-11	30-Jun-11	T. Cameron
BC10131-118	U1: SRSG Tower - Erect Tier 1 Steel, Platforms, Grating, Piping up to 140'	12	27-Jun-11 A	18-Jul-11	T. Cameron
BC10131-840	U1: ACE0-1: Construction Elevator - Pre-assemble tower sections intermittant	14	28-Jun-11 A	20-Jul-11	T. Cameron
BC10131-009	U1:Tower Steel - Erect Temp Modularization Steel (Ser 900)	7	13-Jul-11	25-Jul-11	T. Cameron
BFERT01-110	ERT0: Cable Tray - Fabrication Ex-Works	20	05-Jul-11	01-Aug-11	K. Phagoo/I.Harris
BFERT01-120	U1: ERT0: Cable Tray - Deliver	0		01-Aug-11	K. Phagoo/I.Harris
BC10151-110	U1: SRSG Tower - Tier 1 - Load LB Pipe & Hangers	8	19-Jul-11	01-Aug-11	M. Johnson
BC10131-850	U1: ACE0-1: Construction Elevator - Install Construction Elevator for Partial Operation	24	26-Jul-11	05-Sep-11	T. Cameron
Boiler / Tower Level 2					
BFMESW1-191	U1: MESW: Feedwater Heater 5 - Deliver to Site	0		04-Aug-11	K. Phagoo/I.Harris
BC10131-128	U1: SRSG Tower - Erect Tier 2, Steel, Platforms, Grating, Piping up to EL 180'	12	02-Aug-11	22-Aug-11	T. Cameron
BC10151-120	U1: SRSG Tower - Tier 2 - Load LB Pipe & Hangers	16	02-Aug-11	29-Aug-11	M. Johnson
Boiler / Tower Level 4					
BC10131-141	U1: SRSG Tower - Pre-Assy Stair Tower Tier 4 up to EL 259'	8	19-Jul-11	01-Aug-11	T. Cameron
BC10131-816	U1:Tower Crane - Erect in Layers and use as required	40	05-Jul-11	12-Sep-11	L. Mecham
Boiler / Tower Level 5					



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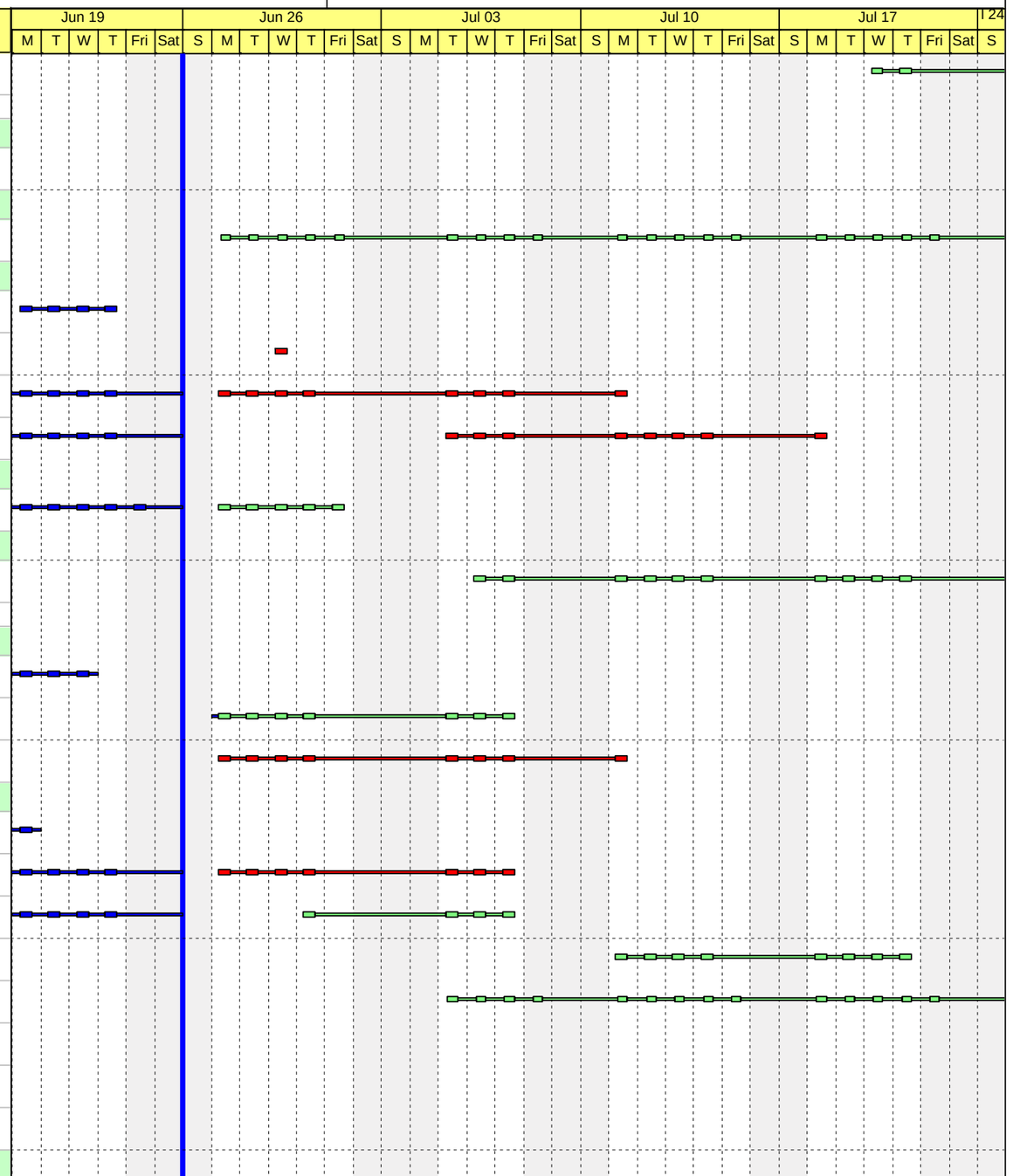
TASK filters: 6-WEEK LOOK AHEAD_stwp, IPAH - STWP_Constr, IPAH - STWP_Constr_Act, Level of Effort.

Activity ID	Activity Name	Rem. Dur.	Start	Finish	RESP
BC10131-153	U1: SRSG Tower - Pre-Assy Tier 5 Perimeter Steel up to EL 298' (Modularize)	6	20-Jul-11	28-Jul-11	T. Cameron
BC10131-151	U1: SRSG Tower - Pre-Assy Stair Tower Tier 5	8	02-Aug-11	15-Aug-11	L. Mecham
Boiler / Tower Level 6					
BC10131-163	U1: SRSG Tower - Pre-Assy Tier 6 Perimeter Steel up to EL 337' (Modularize)	6	27-Jul-11	04-Aug-11	T. Cameron
Boiler Level 5					
BSZZ011-010	U1: SRSG Chemical Cleaning- Prep Exhibits D&E / SR	25	27-Jun-11	01-Aug-11	T. Copeland
Auxiliary (Gas) Boiler Underground					
BC10161-400	U1: SRSG Tower Area - Backfill - Ditch #7 (East SRSG)	0	20-Jun-11 A	23-Jun-11 A	R. Lichtenhahn
BC75151-133	U1: Excavate for conduit for switchboard (EA-2X) - U1PF3	1	29-Jun-11*	29-Jun-11	R. Lichtenhahn
BC75151-134	U1: Install conduit to construction switchboard (EA-2X) - U1PF3	8	31-May-11 A	11-Jul-11	A. West
BC75151-135	U1: PF Ring Main - Backfill - U1PF3	8	14-Jun-11 A	18-Jul-11	R. Lichtenhahn
Turbine Area Underground					
BC21121-100	U1: Turbine Base Mat Foundation FREP	5	25-May-11 A	01-Jul-11	R. Lichtenhahn
Turbine Area Above Ground					
BC21121-110	U1: Turbine Pedestal - FREP	16	06-Jul-11	02-Aug-11	R. Lichtenhahn
BC21121-140	U1: MUSG: STG - Center Lining	8	03-Aug-11	16-Aug-11	K. Mattner
Feeder Bay Area Above Ground					
BC21131-190	U1: STG Gantry Crane - Develop SR	0	20-Jun-11 A	23-Jun-11 A	L. Mecham
BC21131-200	U1: STG Gantry Crane - BEA	7	27-Jun-11 A	07-Jul-11	L. Mecham
BCTAS2X-260	TAS2: Scaffolding Lease - Prep Spec / FMR	8	27-Jun-11	11-Jul-11	JR. Steinem
Plant Services Area Underground					
BC75151-120	U1: PF Ring Main - Install & Hydro PF/Valves/Hydrant - U1PF2	0	07-Jun-11 A	21-Jun-11 A	M. Johnson
BC30121-270	U1: Plant Services Building Electrical Vault Walls Lower FREP	7	12-May-11 A	07-Jul-11	R. Lichtenhahn
BC30161-015	U1: Plant Services Building - Install Electrical Sleeves in Walls	4	20-Jun-11 A	07-Jul-11	A. West
BC30121-280	U1: Plant Services Building Electrical Vault Upper Walls FREP	8	11-Jul-11	21-Jul-11	R. Lichtenhahn
BN30ECX-310	PSB Slab Steel & Connection - Fabricate	20	05-Jul-11	01-Aug-11	K. Phagoo/I.Harris
BC30131-523	U1: PSB Slab Steel & Connection - Deliver	1	01-Aug-11	01-Aug-11	K. Phagoo/I.Harris
BC30161-005	U1: Plant Services Building - Excavate Ditch 3B	8	25-Jul-11	04-Aug-11	R. Lichtenhahn
BC30121-260	U1: PSB - Set Floor Beams / Q-Deck	8	02-Aug-11	15-Aug-11	R. Lichtenhahn
Switchyard Area Underground					



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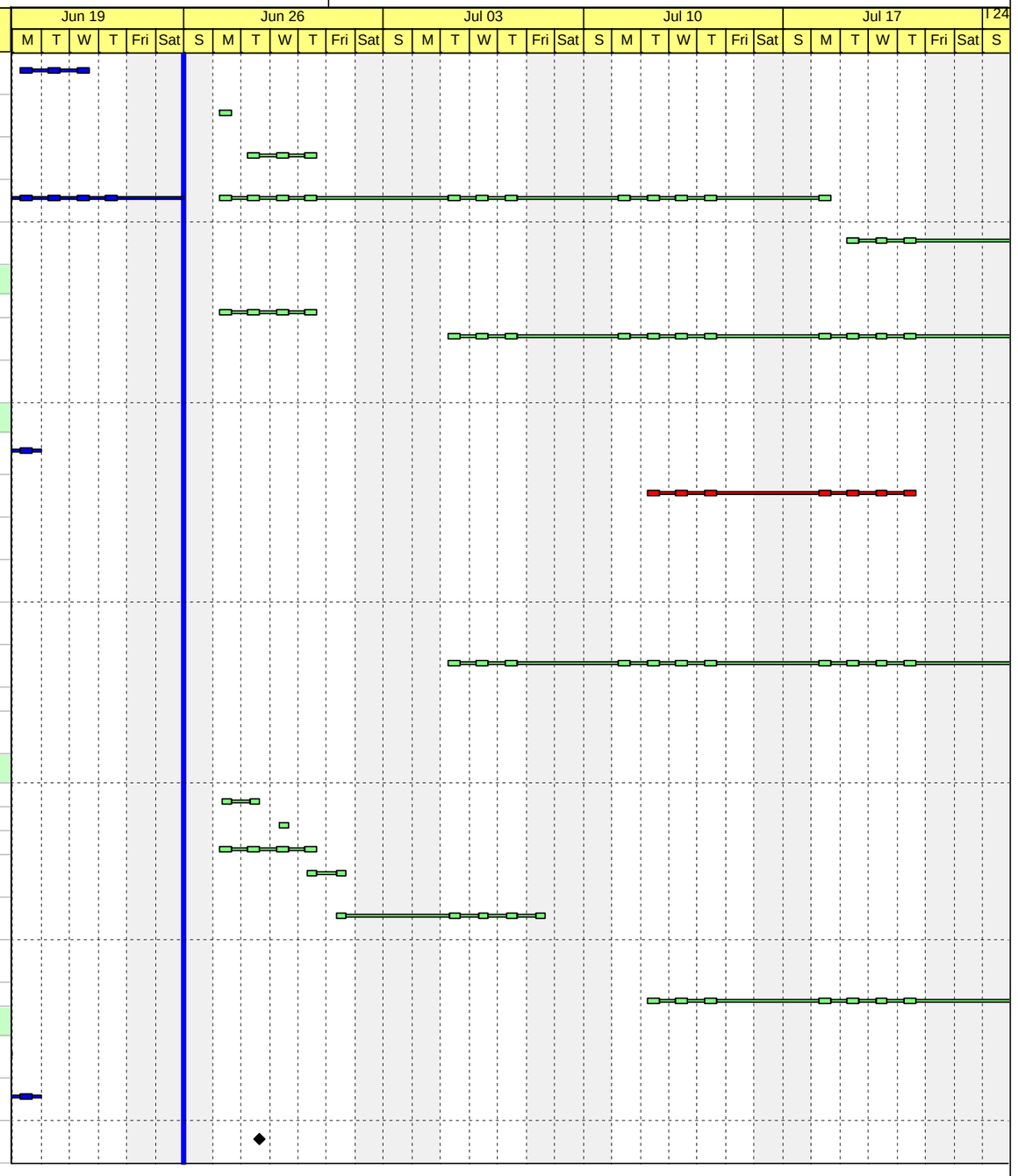
TASK filters: 6-WEEK LOOK AHEAD_stwp, IPAH - STWP_Constr, IPAH - STWP_Constr_Act, Level of Effort.

Activity ID	Activity Name	Rem. Dur.	Start	Finish	RESP
BC33121-050	U1: Tap # 1 Pad Mounted MV Switchgear - FREP	0	20-Jun-11 A	22-Jun-11 A	R. Lichtenhahn
BC33281-050	U1: Tap # 1 Pad-Mounted Switchgears for Alt Power & Constr Power - Install	1	27-Jun-11	27-Jun-11	Elemental
BC00161-012	U1: EWZ0: Terminate 33Kv UG Cable at U1 Pad Mounted Switchgear	3	28-Jun-11	30-Jun-11	Elemental
BC33121-140	U1: Prep MR for U/G Precast Electrical Utility Corridor	12	20-Jun-11 A	18-Jul-11	M. Coleman
BC33121-145	U1: Procure & Deliver U/G Precast Electrical Utility Corridor	16	19-Jul-11	15-Aug-11	K. Phagoo/I.Harris
Switchyard Area Above Ground					
BC33121-310	U1: DA00-3: Main/Aux Transformers Precast Firewalls - Prep FMR	4	27-Jun-11	30-Jun-11	C. Mallon
BC33121-312	U1: DA00-3: Main/Aux Transformers Precast Firewalls - Bid, Eval & Award	12	05-Jul-11	25-Jul-11	K. Phagoo/I.Harris
BC33121-314	U1: DA00-3: Main/Aux Transformers Precast Firewalls - Fab & Deliver	24	01-Aug-11	08-Sep-11	K. Phagoo/I.Harris
Water Treatment Area Underground					
BC75151-150	U1: PF Ring Main - Install & Hydro PF/Valves/Hydrant - U1PF5	0	31-May-11 A	21-Jun-11 A	M. Johnson
BC71161-085	U1: Water Treatment Area -Excavate - Area 8	7	12-Jul-11	21-Jul-11	R. Lichtenhahn
BC71121-101	U1: REQD IFC Sodium Hypochlorite Dosing Skid & Tote, PW Filtering Skid Foundation	0		25-Jul-11*	R. Lichtenhahn
BC75111-160	U1: PF Ring Main - Excavate - U1PF6	4	25-Jul-11	28-Jul-11	R. Lichtenhahn
BC00151-140	U1: PF Ring Main - Install & Hydro PF/Valves/Hydrant - U1PF6	8	01-Aug-11	11-Aug-11	M. Johnson
BC75121-180	U1: Fire Pump Module (Powerblock) Foundation FREP	27	05-Jul-11	18-Aug-11	R. Lichtenhahn
BC71161-090	U1: Water Treatment Area - Install U/G Raceway - Area 8	32	25-Jul-11	15-Sep-11	A. West
BC71151-220	U1: Water Treatment Area - Install U/G Pipe - Area 8	32	26-Jul-11	19-Sep-11	M. Johnson
Water Treatment Area Above Ground					
BFPY10X-200TE	PY10: Shower & Eye Wash Stations - Technical Eval	2	27-Jun-11	28-Jun-11	T. Dunbar
BFPY10X-200CS	PY10: Shower & Eye Wash Stations - Conform Spec	1	29-Jun-11	29-Jun-11	T. Dunbar
BCPY08X-220	U1: PY08 - Hoses - Prep Spec/MR	4	27-Jun-11	30-Jun-11	T. Dunbar
BFPY10X-160	PY10: Shower & Eye Wash Stations - Award PO	2	30-Jun-11	01-Jul-11	K. Phagoo/I.Harris
BFPY08X-170	PY08: Hoses - Prep Bid package / IFB	5	01-Jul-11	08-Jul-11	K. Phagoo/I.Harris
BCMPGF1-100	U1: MPGF: Fire / Jockey Pumps - Deliver	0		04-Aug-11	K. Phagoo/I.Harris
BCMT001-140	U1: MT00 - Raw / Fire Water Tank - Fab / Delivery	16	12-Jul-11	08-Aug-11	Allstate
Condensate Polisher / ACC Underground, W					
BC23111-305	U1: ACC Area - Excavate/Grade [WEST]	0	31-May-11 A	20-Jun-11 A	R. Lichtenhahn
BC75151-140	U1: PF Ring Main - Install & Hydro PF/Valves/Hydrant - U1PF4	0	13-Jun-11 A	21-Jun-11 A	M. Johnson
BFMPGC1-350	U1: MPGC: Main Condensate Sleeve - Deliver	0		28-Jun-11 A	K. Phagoo/I.Harris



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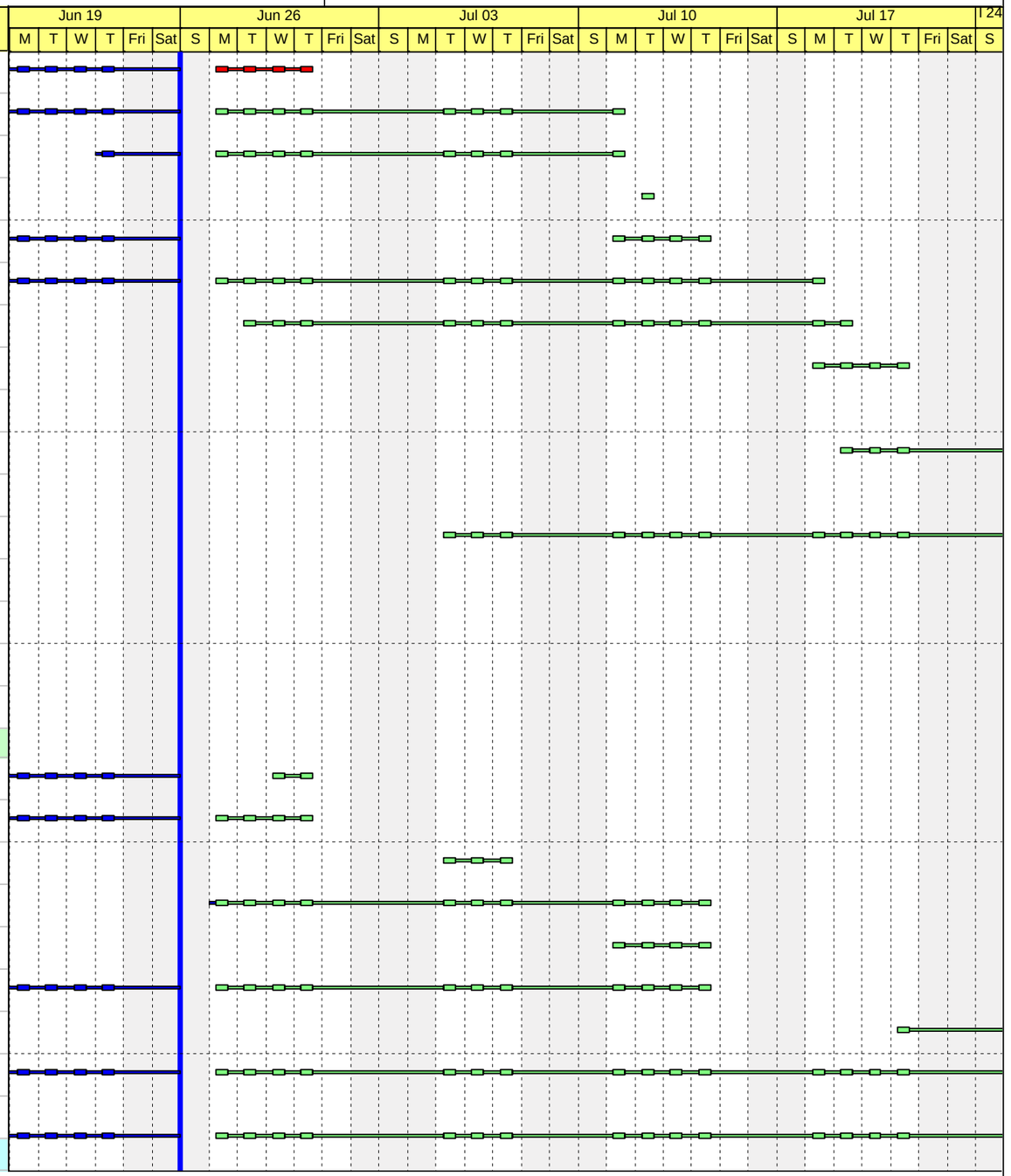
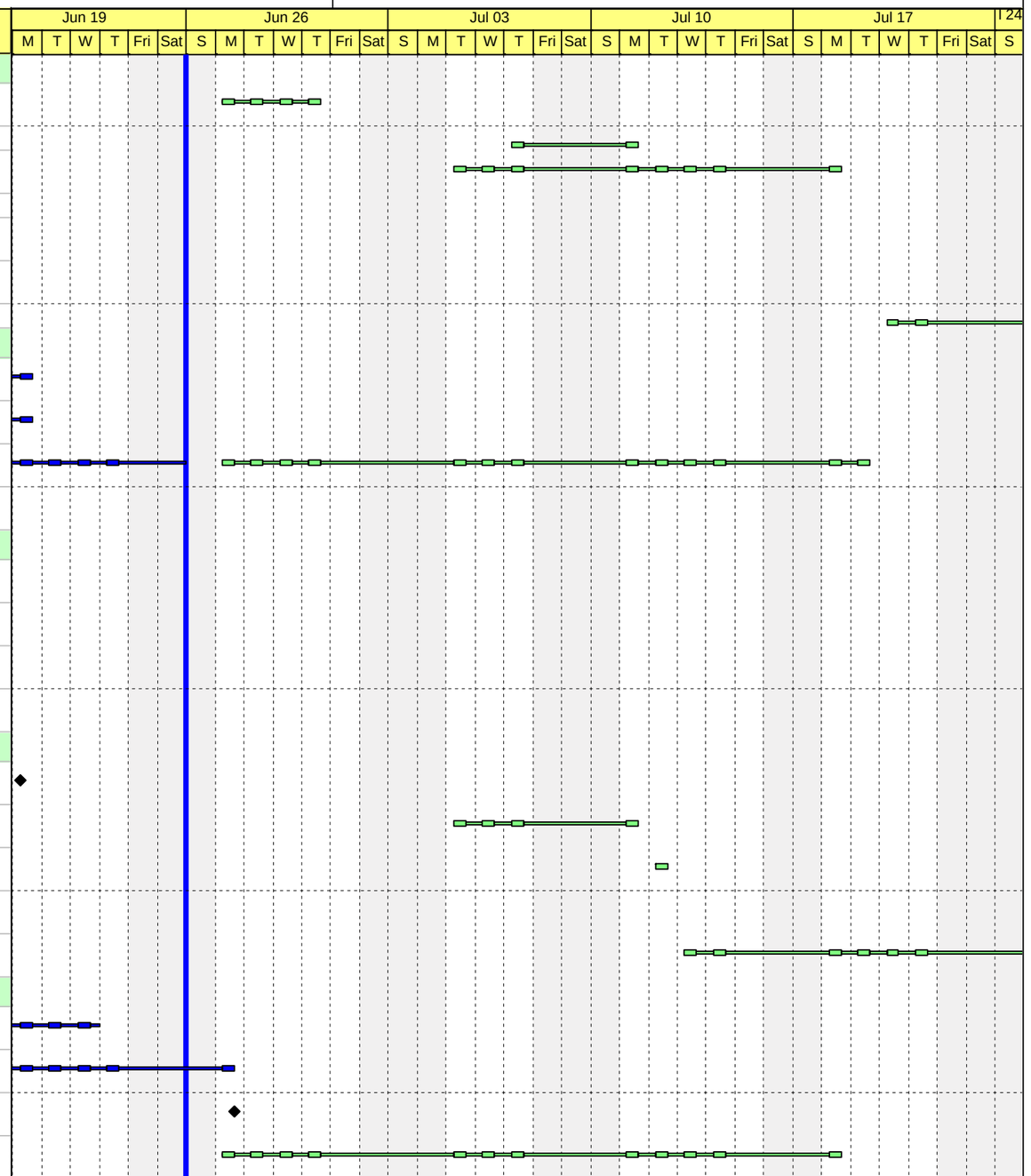
Activity ID	Activity Name	Rem. Dur.	Start	Finish	RESP
BC23161-305	U1: ACC Area - Excavate - Ditch #5	4	16-Jun-11 A	30-Jun-11	R. Lichtenhahn
BC23121-115	U1: ACC Foundations (Pedestals) [EAST] FREP	8	06-Jun-11 A	11-Jul-11	R. Lichtenhahn
BC75151-1125	U1: PF Ring Main - Install & Hydro PF/Valves/Hydrant - Balance U1PF4 & U1PF5	8	23-Jun-11 A	11-Jul-11	M. Johnson
BC23121-710	U1: Condensate Pump - Mobilize Augering subContractor	1	12-Jul-11*	12-Jul-11	Las Vegas Paving
BC75111-170	U1: PF Ring Main - Excavate - Balance U1PF4 & U1PF5	4	20-Jun-11 A	14-Jul-11	R. Lichtenhahn
BC23121-135	U1: ACC Foundations (Spread Footings) [WEST] FREP	12	13-Jun-11 A	18-Jul-11	R. Lichtenhahn
BC23121-200	U1: ACC Condensate Polisher Sump FREP	12	28-Jun-11	19-Jul-11	R. Lichtenhahn
BC23121-245	U1: Condensate Pump - Excavate/Auger Condensate Pump Sleeves 1A & 1B	4	18-Jul-11	21-Jul-11	Las Vegas Paving
BC23121-270	U1: Condensate Pump - Install Pump Sleeves 1A & 1B	8	25-Jul-11	04-Aug-11	K. El Mohamady
BC23161-330	U1: ACC West /Cond Polisher Area - Install U/G Pipe - Ditch #5A	12	19-Jul-11	08-Aug-11	M. Johnson
BC23121-730	U1: Condensate Pump - Excavate/Auger EDT/IDT Pump Sleeves 1A & 1B	4	02-Aug-11	08-Aug-11	Las Vegas Paving
BC23161-310	U1: ACC Area - Install U/G Raceway & Manholes (YM105/107) Ditch #5A	24	05-Jul-11	15-Aug-11	A. West
BC23121-130	U1: ACC Duct Drain Sump FREP	12	27-Jul-11	16-Aug-11	R. Lichtenhahn
BC23121-145	U1: ACC Foundations (Pedestals) [WEST] FREP	24	26-Jul-11	05-Sep-11	R. Lichtenhahn
BC23161-320	U1: ACC West /Cond Polisher Area - Install U/G Pipe - Ditch #5B	24	26-Jul-11	05-Sep-11	M. Johnson
BC23121-210	U1: Condensate Polisher Foundation FREP	24	27-Jul-11	06-Sep-11	R. Lichtenhahn
U1 Solar Field					
BC0015C-180	U1: Install/Hydro WR and close Valve Box Ditch 19 & Ditch 5 to 6	2	19-May-11 A	30-Jun-11	F. Cisco
BC0015C-177	U1: Relocate WR Line Ditch 5 to 6 & Install Valve Box	4	20-Jun-11 A	30-Jun-11	F. Cisco
BC0015C-275	U1: Excavate & Install Valve Box Bottom Ditch 19	3	05-Jul-11*	07-Jul-11	R. Lichtenhahn
BC0015C-260	U1: Backfill FG Ditch 12	11	27-Jun-11 A	14-Jul-11	R. Lichtenhahn
BC0015C-270	U1: Backfill WR Ditch 19	4	11-Jul-11	14-Jul-11	R. Lichtenhahn
BC00151-020	Common Area: Backfill -Along U1 NW Road - Ditch 6	11	31-May-11 A	14-Jul-11	R. Lichtenhahn
BC87111-105	U1: CE01 - Site Prep - Const Trailer Entrance &Main Access Road Paving (4" Asphalt Concrete Base Course) (Milestone 4B)	10	21-Jul-11	08-Aug-11	Las Vegas Paving
BC87111-200	U1 - PYLO: Pylon Insertion 0% to 60%	47	21-Mar-11 A	15-Sep-11	T.Criscuola
BC87111-300	U1: Mow Solar Field	47	07-Feb-11 A	15-Sep-11	T.Criscuola
UNIT 2					



Actual Work | Critical Remaining Work | Remaining Work | Milestone

TASK filters: 6-WEEK LOOK AHEAD_stwp, IPAH - STWP_Constr, IPAH - STWP_Constr_Act, Level of Effort.

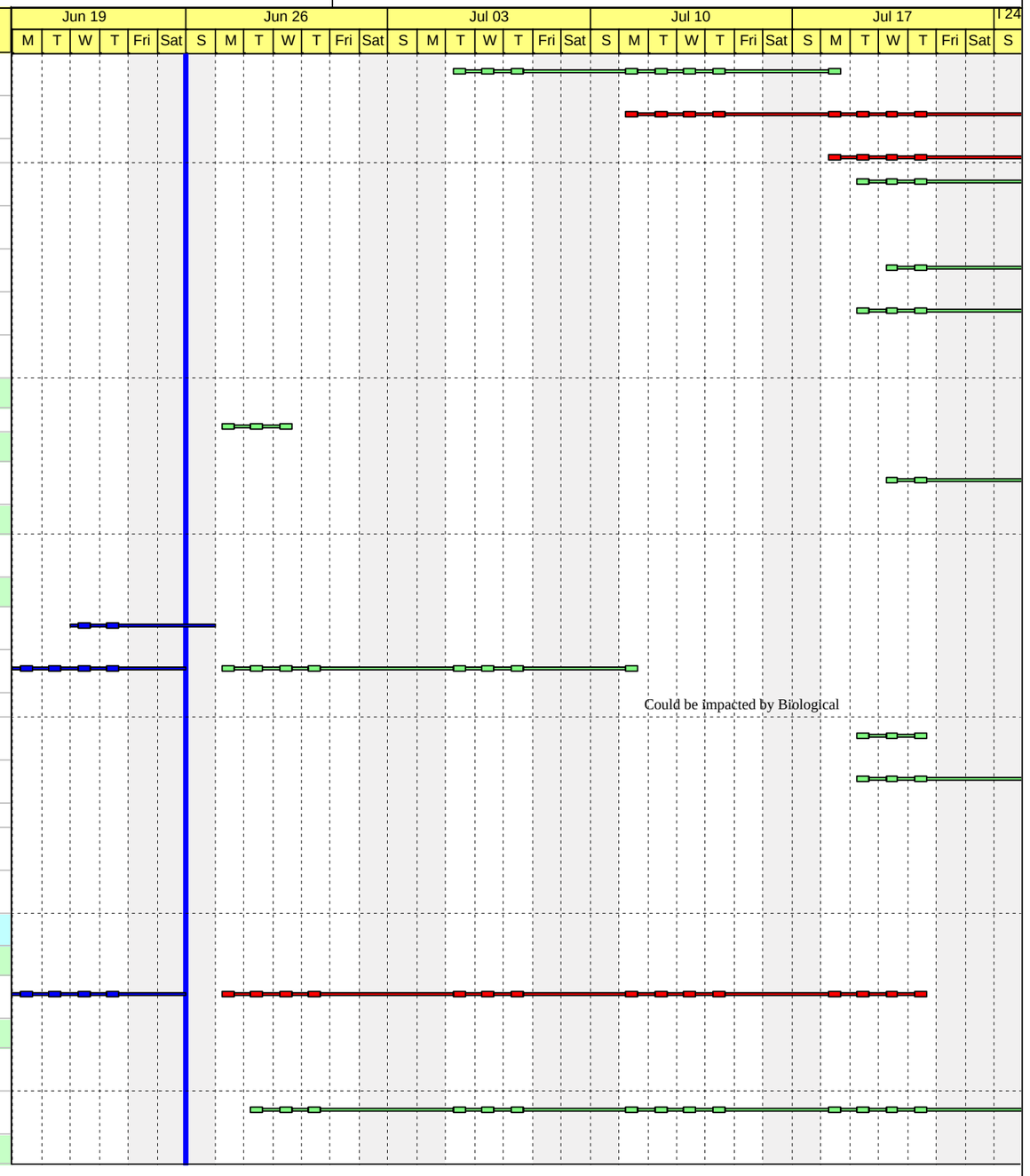
Activity ID	Activity Name	Rem. Dur.	Start	Finish	RESP
Powerblock Yard Area Underground, SE					
BC86122-095	U2: Tap # 2 Pad Mounted MV Switchgear Foundation - Electrical	4	27-Jun-11 A	30-Jun-11	A. West
BC00162-014	U2: EWZ0: Terminate 115Kv UG Cable at U2 Termination Structure	2	07-Jul-11*	11-Jul-11	Elemental
BC86122-100	U2: Tap # 2 Pad Mounted MV Switchgear Foundation - FREP	8	05-Jul-11	18-Jul-11	R. Lichtenhahn
BC33282-050	U2: Pad-Mounted Switchgears for Alt Power & Constr Power - Install	3	26-Jul-11	28-Jul-11	Elemental
BC00162-012	U2: EWZ0: Terminate 33Kv UG Cable at U2 Pad Mounted Switchgear	3	01-Aug-11	03-Aug-11	Elemental
BC00112-440	U2: Complete Perimter Fencing for U2 [BMP]	16	25-Jul-11	18-Aug-11	Crown Fencing
BC00162-330	U2: Powerblock Yard Area - Install Grounding	48	20-Jul-11	11-Oct-11	A. West
Boiler / Tower Underground					
BC10162-320	U2: SRSG Tower Area - Install U/G Raceway - Ditch 2	0	31-May-11 A	20-Jun-11 A	A. West
BC10122-130	U2: SRSG Tower Area - Install U/G Piping - Ditch 2	0	13-Jun-11 A	20-Jun-11 A	RJ. Rampersad
BC10122-100	U2: SRSG Tower Foundation FREP	13	16-May-11 A	19-Jul-11	R. Lichtenhahn
BC10162-400	U2: SRSG Tower Area - Install U/G Raceway - Ditch 6 (South SRSG)	8	27-Jul-11	09-Aug-11	A. West
Boiler / Tower Level 1					
BZ00532-100	U2: TOWER CRANE DELIVERY	0	01-Aug-11*		T. Cameron
BZ00532-110	U2: RECEIVE TOWER CRANE UPPER SECTIONS	0		01-Aug-11	T. Cameron
BZ00532-120	U2: RECEIVE TOWER CRANE LOWER SECTIONS	0		01-Aug-11	T. Cameron
BC10122-210	U2: Boiler Feed Pump & SU BFP Foundation - FREP	8	27-Jul-11	09-Aug-11	R. Lichtenhahn
Turbine Area Underground					
BCDG002-110	U2: DG01 - Rebar Fab & Info for STG Basemat	0		20-Jun-11 A	C. Mallon
BC21122-045	U2: Turbine Mat Backfill for Mudmat	4	05-Jul-11*	11-Jul-11	R. Lichtenhahn
BC21122-050	U2: Turbine Mat Foundation Mudmat	1	12-Jul-11	12-Jul-11	R. Lichtenhahn
BOMUSG2-110	U2: MUSG - Steam Turbine Embeds - Deliver	0		01-Aug-11*	K. Phagoo/I.Harris
BC21122-100	U2: Turbine Mat Foundation FREP	31	13-Jul-11	05-Sep-11	R. Lichtenhahn
Plant Services Area Underground					
BC75112-110	U2: PF Ring Main - Excavate - U2PF1	0	15-Jun-11 A	23-Jun-11 A	R. Lichtenhahn
BC30122-120	U2: Plant Services Building Electrical Vault Basemat FREP	0	06-Jun-11 A	27-Jun-11 A	R. Lichtenhahn
BZ00122-100	U2: FIRST CONCRETE	0		27-Jun-11 A	R. Lichtenhahn
BC10122-341	U2: PF Ring Main - Install & Hydro PF/Valves/Hydrant - U2PF-1 (UG Piping prior to Steel Erection)	12	27-Jun-11 A	18-Jul-11	RJ. Rampersad



Actual Work | Critical Remaining Work | Remaining Work | Milestone

TASK filters: 6-WEEK LOOK AHEAD_stwp, IPAH - STWP_Constr, IPAH - STWP_Constr_Act, Level of Effort.

Activity ID	Activity Name	Rem. Dur.	Start	Finish	RESP
BC75152-115	U2: PF Ring Main - Excavate PF/Valves/Hydrant - U2PF2	8	05-Jul-11	18-Jul-11	R. Lichtenhahn
BC30122-280	U2: Plant Services Building Electrical Vault Lower Walls FREP	12	11-Jul-11	28-Jul-11	R. Lichtenhahn
BC30162-340	U2: Plant Services Building - Install Electrical Sleeves in Walls	8	18-Jul-11	28-Jul-11	A. West
BC75112-140	U2: PF Ring Main - Backfill - U2PF1	8	19-Jul-11	01-Aug-11	R. Lichtenhahn
BC30132-523	U2: PSB Slab Steel & Connection - Deliver	1	01-Aug-11	01-Aug-11	K. Phagoo/I.Harris
BC75112-130	U2: PF Ring Main - Excavate - U2PF3 (Access Portion)	8	20-Jul-11	02-Aug-11	R. Lichtenhahn
BC00152-200	U2: PF Ring Main - Install & Hydro PF/Valves/Hydrant - U2PF2	12	19-Jul-11	08-Aug-11	RJ. Rampersad
BC30122-290	U2: Plant Services Building Electrical Vault Upper Walls FREP	12	03-Aug-11	23-Aug-11	R. Lichtenhahn
Switchyard Area Above Ground					
BCEZ002-101	U2: EZ00: SWYD & T-Line S/C - Access to 115kV Switchyard	3	27-Jun-11	29-Jun-11	Elemental
Water Treatment Area Underground					
BC00122-110	U2: Miscellaneous Foundations FREP	128	20-Jul-11	05-Mar-12	R. Lichtenhahn
Boiler Feed Pump Area Underground					
BC23122-530	U2: Internal / External Drain Tank (ST to BFP) Excavate	8	03-Aug-11	16-Aug-11	R. Lichtenhahn
U2 Solar Field					
BC0015C-152	Common Area: Excavate & Install Valve Box @ South end of Ditch 18	0	22-Jun-11 A	27-Jun-11 A	F. Cisco
BC0015C-151	Common Area: Backfill WR Ditch 18	8	20-Jun-11 A	11-Jul-11	R. Lichtenhahn
BC33162-160	U2: Install conduit for CAT5 cable - U2 Road Crossing	2	07-Jul-11	11-Jul-11	A. West
BC00162-019	U2: EWZ0: T-Line UG XLPE Cable - U2 thru Common 115Kv Hipot Test	3	19-Jul-11	21-Jul-11	Elemental
BC0015C-146	Common Area: Excavate WR Ditch 18A	4	19-Jul-11	25-Jul-11	R. Lichtenhahn
BC0015C-147	Common Area: Install/Hydro WR Ditch 18A	8	26-Jul-11	08-Aug-11	F. Cisco
BC00162-020	U2: EWZ0: T-Line UG XLPE Cable - U2 thru Common 33Kv Hipot Test	3	04-Aug-11	09-Aug-11	Elemental
BC87112-105	U2: CE01 - Site Prep - Main Access Road Paving (4" Asphalt Concrete Base Course)	16	02-Aug-11*	29-Aug-11	Las Vegas Paving
UNIT 3					
Powerblock Yard Area Underground, SE					
BC00113-410	U3: CY10 - Complete Permanent Combo Fence for U3 Perimeter [BMP]	15	16-Jun-11 A	21-Jul-11	Crown Fencing
Boiler / Tower Underground					
BC00153-100	U3: Main Access Road - Excavate UG Pipe - Ditch 20	16	28-Jul-11	24-Aug-11	R. Lichtenhahn
BC10113-070	U3: CE01 - Site Prep - Rough Grade of North and South Power Block Area (Milestone 16)	37	28-Jun-11	31-Aug-11	Las Vegas Paving
Boiler / Tower Level 1					



Actual Work | Critical Remaining Work | Remaining Work | Milestone

TASK filters: 6-WEEK LOOK AHEAD_stwp, IPAH - STWP_Constr, IPAH - STWP_Constr_Act, Level of Effort.

Activity ID	Activity Name	Rem. Dur.	Start	Finish	RESP
BCACE03-120	U3: ACE0-1: Construction Elevator - Deliver	0	23-Jun-11 A	23-Jun-11 A	K. Phagoo/I.Harris
Plant Services Area Underground					
BFPS023-PF4	U3: PS02: Piping - U/G Pipe - Fab & 1st Del - PF (HDPE & Ductile Iron)	1	28-Jul-11	28-Jul-11	K. Phagoo/I.Harris
U3 Solar Field					
BC87113-330	U3: CE01: Site Prep -Clear / Grub Unit 3 Main Construction Access Rd	1	16-Jun-11 A	27-Jun-11	Las Vegas Paving
BC87113-100	U3: CE01: Site Prep - Install initial Sub-Base for Unit 3 Main Construction Access Rd	17	28-Jun-11	27-Jul-11	Las Vegas Paving
BC87113-320	U3: CE01: Site Prep - Install drainage crossing on Unit 3 Main Access Rd	36	11-Jul-11	08-Sep-11	Las Vegas Paving
BC87113-310	U3: CE01: Site Prep - Install Main Construction Access Rd Water Wash Culverts	32	28-Jul-11	21-Sep-11	Las Vegas Paving

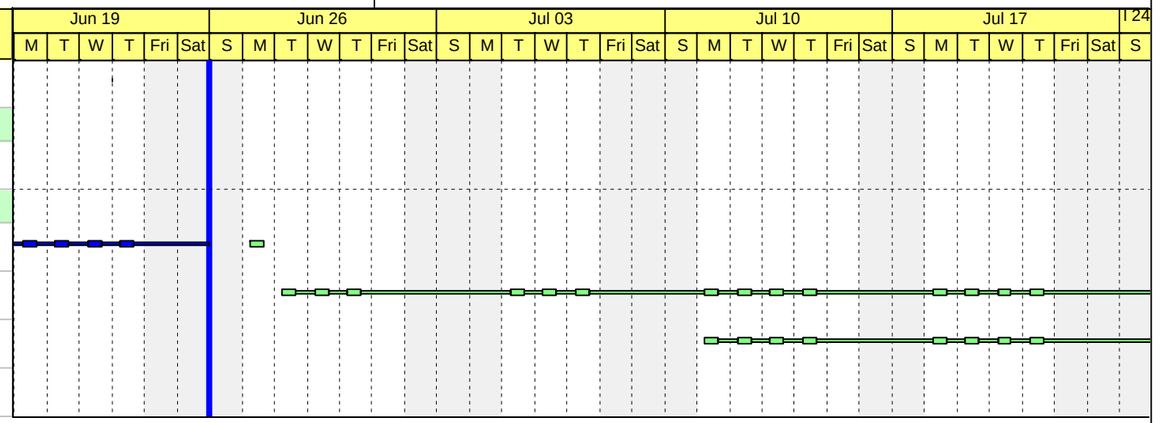


Exhibit 3

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

Ivanpah SEGS Compliance Matrix 7/13/2011

Phase

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	2014	Not yet started			
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 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	2014	Not yet started			
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 necessary for compliance with Subpart Db.			X	2014	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 performed by the chosen monitoring system		X		2013	Not yet started			
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	2014	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	N/A	N/A			
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 in effect.	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	2011	Submitted	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 of engine purchase.		X		2012	Not yet started			
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 three (3) Model Year 2010, Tier II engines)*	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		N/A	N/A			
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 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 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: a. Date of each use and duration of each use (in hours);	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		2012	Not yet started			
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	

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 frequency of watering can be reduced or eliminated during periods of precipitation. c) No vehicle shall exceed 10 miles per hour on unpaved areas within the construction site, 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. d) Visible speed limit signs shall be posted at the construction site entrances. e) All construction equipment vehicle tires shall be inspected and washed as necessary to be cleaned free of dirt prior to entering paved roadways. f) Gravel ramps of at least 20 feet in length must be provided at the tire washing/cleaning station. g) All unpaved exits from the construction site shall be graveled or treated to prevent track-out to public roadways.		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 visible on the public paved roadways. l) All soil storage piles and disturbed areas that remain inactive for longer than 10 days shall be covered, or shall be treated with		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 effective mitigation. The AQCMP shall include a section detailing how the additional mitigation measures will be accomplished	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		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 determination, unless overruled by the CPM or BLM Authorized Officer before that time.	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 Tier 2 levels unless certified by engine manufacturers or the on-site AQCMM that the use of such devices is not practical for specific engine types. For purposes of this condition, the use of such devices is "not practical" for the following, as well as other, reasons. 1. There is no available retrofit control device that has been verified by either the California Air Resources Board or U.S. Environmental Protection Agency to control the engine in question to Tier 2 equivalent emission levels and the highest level of available control using retrofit or Tier 1 engines is being used for the engine in question; or 2. The construction equipment is intended to be on site for 5 days or less. 3. The CPM may grant relief from this requirement if the AQCMM can demonstrate a good faith effort to comply with this requirement and that compliance is not practical.		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 environmental impacts including loss of vegetation. The performance and application of the fugitive dust controls shall also be measured against and meet the performance requirements of condition **AQ-SC4**. The performance requirements of **AQ-SC4** shall also be included in the Operations Dust Control Plan.	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 modifications from an agency. The project owner shall submit all modified air permits to the CPM within 15 days of receipt.			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 include a heat balance diagram, engineering analysis, assumptions and supporting data.			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 Authorized Officer and the CPM, in consultation with CDFG and USFWS, that the proposed Designated Biologist or alternate has the appropriate training and background to effectively implement the conditions of certification.	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	
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 Authorized Officer and the CPM, including notifying these agencies of dead or injured listed species and reporting special-status species observations to the California Natural Diversity Data Base.	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 procedures <www.fws.gov/ventura/speciesinfo/protocols_guidelines>.	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 approval at least 10 days prior to their first day of monitoring activities.	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 their duties cease, as approved by BLM's Authorized Officer and the CPM.		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 behalf of the Designated Biologist.	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 7. Include a training acknowledgment form to be signed by each worker indicating that they received training and shall abide by the guidelines. The specific program can be administered by a competent individual(s) acceptable to the Designated Biologist.	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; 9. Duration for each type of monitoring and a description of monitoring methodologies and frequency; 10. Performance standards to be used to help decide if/when proposed mitigation is or is not successful; 11. All performance standards and remedial measures to be implemented if performance standards are not met; 12. A discussion of biological resources-related facility closure measures including a description of funding mechanism(s); and 13. A process for proposing plan modifications to BLM's Authorized Officer and the CPM and appropriate agencies for review and approval; and	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 mitigation and monitoring items are still outstanding.	X		X	7/15/2010	Approved	7/16/2010		
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 galvanized hard wire cloth 1-inch by 2-inch mesh sunk 12 inches into the ground, and 24 inches above the ground (but not less than 18 inches above the ground) (USFWS 2008). The fencing shall be buried approximately 6 inches below ground or bent at a right angle towards the outside of the project site and covered with dirt, rocks or gravel to discourage the tortoise from digging under the fence b. Security Gates. Security gates shall be designed with minimal ground clearance to deter ingress by tortoises. The gates may be electronically activated to open and close immediately after the vehicle(s) have entered or exited to prevent the gates from being kept open for long periods of time. Cattle grating designed to safely exclude desert tortoise shall be installed at the gated entries to discourage tortoises from gaining entry	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 fenced area shall be inspected to determine if tortoises are present. In some cases, a fiber optic scope may be needed to determine presence or absence within a deep burrow. To prevent reentry by a tortoise or other wildlife, all burrows shall be collapsed once absence has been determined. Tortoises taken from burrows and from elsewhere on the site shall be relocated or translocated as described in the Desert Tortoise Relocation/Translocation Plan.	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 moved from within project areas shall be marked for future identification as described in Guidelines for Handling Desert Tortoise during Construction Projects (Desert Tortoise Council 1999) or more current guidance on the USFWS website. carapace, plastron, and fourth costal scute shall be taken. Scutes shall not be notched for identification.	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 compensatory mitigation.	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 summary of all modifications to measures made during implementation of the Plan.	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 failure to implement mitigation measures within the time periods specified in the conditions of certification;	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, time, location, circumstances of the incident, and the name of the facility where the animal was taken.	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 project owner shall comply with the stop work order immediately upon receipt thereof.	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 site.	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 unpaved surfaces shall be non-toxic to wildlife and plants. 7. Minimize Lighting Impacts. Facility lighting shall be designed, installed, and maintained to prevent side casting of light towards wildlife habitat. To minimize risk of avian collisions with the heliostat towers, only flashing or strobe lights shall be installed on these towers.	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 does not move within 15 minutes, a Designated Biologist or Biological Monitor may remove and relocate the animal to a safe location if temperatures are within the range described in the USFWS protocol (www.fws.gov/ventura/speciesinfo/protocols guidelines and Desert Tortoise Council 1999).	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 by the Designated Biologist or Biological Monitors to ensure that the caps remain in place and that birds and terrestrial wildlife have not become trapped. 12. Minimize Standing Water. Water applied to construction areas and dirt roads for dust abatement shall use the minimal amount needed to meet safety and air quality standards in an effort to prevent the formation of puddles, which could attract desert tortoises, common ravens and coyotes to construction sites.	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 on Colosseum Road and other dirt access routes within desert tortoise habitat shall not exceed 20 miles per hour. 17. Monitor Ground Disturbing Activities Prior to Site Mobilization. If grounddisturbing activities are required prior to site mobilization, such as for geotechnical borings or hazardous waste evaluations, a Designated Biologist or Biological Monitor shall be present to monitor any actions that could disturb soil, vegetation, or wildlife.	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, transmission lines, and staging areas	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	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 installations prior to the beginning of construction and during construction on a case by case basis but will not approve additional acreage beyond that addressed in the current application. 5. Vegetation Mowing; Vegetation mowing shall be limited to areas adjoining vehicle pathways used for heliostat installation to allow installation of the heliostat pylon and allow for tracking clearance under the heliostat. Vegetation mowing may be repeated during the life of the facility to maintain appropriate clearance for heliostat tracking.	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	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 the seeding during final project decommissioning, shall 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. c. 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 shall not be used as backfill on the site during decommissioning. d. Succulents salvaged during project construction shall not be sold by the project owner. Should excess succulents be removed that cannot be transplanted in the Succulent Nursery Area, their disposition will be managed by BLM.	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	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 and dispersed; activities that might, in the opinion of the Designated Biologist, disturb nesting activities, shall be prohibited within the buffer zone until such a determination is made.	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 prior to relocation of owls (and incorporate it into the project's BRMIMP) as well as a construction termination report with results to CDFG and CPM 30 days after completing owl relocation and monitoring and at least 30 days prior to the start of commercial operation.	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 Plute 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 habitat enhancement or rehabilitation activities itself, the projectowner may 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) in an amount equivalent to the sum of: 1) BLM's compensatory mitigation cost to cover the cost of fencing and route restoration, calculated using formulas for biological Resource Compensation/Mitigation Cost Estimate Breakdown for use with the REAT-NFWF Mitigation Account Table of Estimated Costs dated July 13, 2010; 2) the Energy Commission's Complementary Mitigation Security for acquisition; and 3) the Long-Term Maintenance of Fencing and Habitat Restoration Fee; and 3) the NFWF administrative fee calculation, as shown in the following table: Biological Resources Mitigation/Compensation Cost Estimate Table - July 13, 20101 corrected Desert Tortoise Compensation Number of Acres 3582 Estimated number of parcels to be acquired, at 40 acres per parcel2 90 Land cost at $1000/acre3 $ 3,582,000.00 Level 1 Environmental Site Assessment at $3000/parcel $ 270,000.00 Appraisal at no less than $5,000/parcel $ 450,000.00	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 compensation lands acquisition within 18 months of the start of project ground disturbing activities. If NFWF or another approved third party is being used for the acquisition, the project owner shall nsure that funds needed to accomplish the acquisition are transferred in timely manner to facilitate the planned acquisition and to ensure the land can be acquired and transferred prior to the 18-month deadline. Within six months of the land or easement purchase, as determined by the date on the title, the project owner, or an approved third party, shall provide CDFG and the CPM with a management plan for the Energy Commission compensation lands and associated funds. The CPM shall review and approve the management plan, in consultation with CDFG, BLM and the USFWS. Within 90 days after completion of project construction, the project owner shall provide to the CPM and CDFG an analysis with the final accounting of the amount of habitat disturbed during project construction. If habitat disturbance exceeds 3,582 acres, the project owner shall provide a compensation plan to the CMP and CDFG for their reviewand approval, in consultation with CDFG, BLM and the USFWS. The compensation plan shall be submitted no later than 90 days from the CPM's receipt of the final accounting, and shall include a description of additional funds required or lands that must be purchased to compensate for the unanticipated habitat disturbances, and a schedule for that acquisition or funding inclusive of all associated long-term management and maintenance and enhancement costs.	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 discuss the suitability of the proposed parcel(s) as compensation lands for desert tortoise in relation to	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 with Phase 2. Actual Cost. The actual cost to comply with this condition will vary depending on the final footprint of the Project, and the actual costs of acquiring, improving and managing the compensation lands.	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 CDDFG 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 fund for CDFG and with CDFG supervision.	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 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, to the extent the in-lieu fee provision is found by the	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. <u>On-Site Plant Avoidance/Minimization Areas:</u> 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 diveristy 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. <u>Protection Goals :</u> 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. <u>Identify and Establish Special-Status Plant Protection Areas</u>: 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 thart 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 Protection Areas shall be clearly depicted on all final maps and project drawings and descriptions for exclusions of all project activities.	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 years for the Gas Pipeline Revegetation Plan, and for the life of the project for the SSPP and Monitoring Plan, and the SSP Remedial Action Plan, including funding for the seed storage. No less than 90 days prior to acquisition of the parcel (s) containing or adjacent to a known Mojave milkweed occurrence, 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.	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 years for the Gas Pipeline Revegetation Plan, and for the life of the project for the SSPP and Monitoring Plan, and the SSP Remedial Action Plan, including funding for the seed storage. No less than 90 days prior to acquisition of the parcel (s) containing or adjacent to a known Mojave milkweed occurrence, 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.	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 vertical orientation following pipeline installation ensuring the integrity of the top 2 cm in particular. The project owner shall prepare a Gas Pipeline Revegetation and Monitoring Plan targeted at re-establishment of Rusby's desert -mallow, desert pincushion, Mojave milkweed, and potentially other special-status plant species. The Gas Pipeline Revegetation and Monitoring Plan shall identify success criteria for re-establishment and shall continue for a period of no lessthan 10 years until the defined success criteria are achieved.The Gas Pipeline Revegetation and Monitoring Plan shall include measures for seeding or other remedial actions. If no individuals of Rusby's desert-mallow, desert pincushion, or Mojave milkweed, are located during the first year of monitoring, the project owner shall conduct supplemental seeding or other remedial measures in the area disturbed by natural gas pipeline installation.	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 years for the Gas Pipeline Revegetation Plan, and for the life of the project for the SSPP and Monitoring Plan, and the SSP Remedial Action Plan, including funding for the seed storage. No less than 90 days prior to acquisition of the parcel (s) containing or adjacent to a known Mojave milkweed occurrence, 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.	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 plant composition) than that impacted; 2) contain OR abut a known occurrence of Mojave milkweed, ideally with populations that are stable, recovering, or likely to recover, that shares the same watershed as the land; and 3) be adequately sized and buffered to support self-sustaining special-status plant populations. These mitigation lands may be included with the desert tortoise mitigation lands ONLY if the above criteria are met. If sufficient new Mojave milkweed occurrences are discovered on desert tortoise compensation lands (not public lands) in accordance with item 9 above prior to acquiring this land, the associated security shall be refunded to the project owner.	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 years for the Gas Pipeline Revegetation Plan, and for the life of the project for the SSPP and Monitoring Plan, and the SSP Remedial Action Plan, including funding for the seed storage. No less than 90 days prior to acquisition of the parcel (s) containing or adjacent to a known Mojave milkweed occurrence, 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.	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	Revised plan being prepared for submittal in July 2011	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 on the acquired compensation lands. The objective of the Management Plan shall be to enhance the wildlife value of the drainages, and may include enhancement actions such as weed control, fencing to exclude livestock, or erosion control. No later than 12 months after publication of the Energy Commission Decision the project owner shall submit a final Management Plan for review and approval to the CPM and CDFG.	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. A copy of the notifying change of conditions report shall be included in the annual reports. a. Biological Conditions: a change in biological conditions includes, but is not limited to, the following: 1) the presence of biological resources within or adjacent to the project area, whether native or non-native, not previously known to occur in the area; or 2) the presence of biological resources within or adjacent to the project area, whether native or nonnative, 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.	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. c. The project owner shall comply with all litter and pollution laws. All contractors, subcontractors, and employees shall also obey these laws, and it shall be the responsibility of the project owner to ensure compliance. d. Spoil sites shall not be located within drainages or locations that may be subjected to high storm flows, where spoil shall be washed back into a drainage.	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 microenvironment of the plants (e.g., water, sunlight, dust) sufficiently to adversely affect the plants. Off-site mitigation would compensate for losses.	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 description of adaptive management measures proposed or implemented in accordance with any applicable CDFG or USFWS guidelines to avoid or minimize deaths or injuries. Following the completion of the fourth quarter of monitoring, the Designated Biologist shall prepare an Annual Report that summarizes the year's data, analyzes any Project-related bird fatalities or injuries detected, and provides recommendations for future monitoring and any adaptive management actions needed.	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		
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		

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 conditions of certification. **Overview of Project Phases** Phase 1 includes the following components (1,282 acres): a. Fence Colosseum Road; b. Fence the Construction Logistics Area (CLA) and Construct Holding Pens in the CLA; c. Fence, Conduct Clearance Surveys, and Construct Ivanpah 1 d. Fence Access Road and Power Block for Ivanpah 2, and Perform Construction Within Ivanpah 2 Power Block. Phase 1 would include 1,282 acres of desert tortoise mitigation, as well as 10 of the 30 acres of rare plant mitigation, and 58 of the 175 acres of state waters mitigation.	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 to compensation land requirements, to the option of funding mitigation through the NFWF account, or to use of approved third parties to carry out mitigation requirements also apply to Phase 1 and to Phase 2. Within 90 days after completion of all project related ground disturbance for each project phase, the project owner shall provide to the CPM, CDFG, BLM and USFWS an analysis, based on aerial photography, with the final accounting of the amount of habitat disturbed during Project construction.		X		2011	Phase 1 and Phase 2 securities paid, Land Acquisition in progress			
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 the Conditions listed above. If the project owner elects to phase payments of security under either a Project Owner Acquisition or NFWF option and if the commencement of construction is delayed beyond June 1, 2011, the amount of the security (including payments to NFWF if applicable [see definition of security above]) will be adjusted by the CPM in consultation with DFG, BLM and USFWS prior to each phase to reflect the CPM's best estimate at that time of the estimated costs of land acquisition, long-term management and maintenance costs, and other costs that are included in the security computation. Those costs may be greater than the costs identified in the conditions of certification.	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 to compensation land requirements, to the option of funding mitigation through the NFWF account, or to use of approved third parties to carry out mitigation requirements also apply to Phase 1 and to Phase 2. Within 90 days after completion of all project related ground disturbance for each project phase, the project owner shall provide to the CPM, CDFG, BLM and USFWS an analysis, based on aerial photography, with the final accounting of the amount of habitat disturbed during Project construction.		X		2011	Phase 1 and Phase 2 securities paid, Land Acquisition in progress			
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 to compensation land requirements, to the option of funding mitigation through the NFWF account, or to use of approved third parties to carry out mitigation requirements also apply to Phase 1 and to Phase 2. Within 90 days after completion of all project related ground disturbance for each project phase, the project owner shall provide to the CPM, CDFG, BLM and USFWS an analysis, based on aerial photography, with the final accounting of the amount of habitat disturbed during Project construction.		X		2011	Phase 1 and Phase 2 securities paid, Land Acquisition in progress			

Biological Resources	BIO-23	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 effective mitigation measure can be identified in the future.	No Verification: see Effectiveness		X	X	As needed	Ongoing			
Biological Resources	BIO-24	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 to the project.	No Verification: see Effectiveness		X		2011	Not yet started			
Biological Resources	BIO-25	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	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	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 to incorporate procedures which will increase the probability of successful site rehabilitation.	No Verification: see Effectiveness		X		TBD	Not yet started			
Biological Resources	BIO-28	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			7/23/2010	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		2011	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 by AFC number, the appropriate condition(s) of certification by condition number(s), and a brief description of the subject of the submittal. The project owner shall also identify those submittals not required by a condition of certification with a statement such as: "This submittal is for information only and is not required by a specific condition of certification." When submitting supplementary or corrected information, the project owner shall reference the date of the previous submittal and BLM/CEC submittal number.			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, the project owner or authorized agent will submit Monthly Compliance Reports. During operation, an Annual Compliance Report must be submitted. These reports, and the requirement for an accompanying compliance matrix, are described below. The majority of the conditions of certification require that compliance submittals be submitted to BLM's Authorized Officer and the CPM in the monthly or annual compliance reports.		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		9/15/2010	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 construction schedule that would affect compliance with conditions of certification; 9. A listing of the month's additions to the on-site compliance file; and 10. A listing of complaints, notices of violation, official warnings, and citations received during the month, a description of the resolution of the resolved actions, and the status of any unresolved actions. All sections, exhibits, or addendums shall be separated by tabbed dividers or as acceptable by BLM's Authorized Officer and the CPM.				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; 8. A listing of the year's additions to the on-site compliance file; 9. An evaluation of the on-site contingency plan for unplanned facility closure, including any suggestions necessary for bringing the plan up to date [see Compliance Conditions for Facility Closure addressed later in this section]; and 10. A listing of complaints, notices of violation, official warnings, and citations received during the year, a description of the resolution of any resolved matters, and the status of any unresolved matters					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" by the holder when submitted.		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 9th St., Sacramento, CA 95814.			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 provided in the NOISE conditions of certification. All other complaints shall berecorded on the complaint form (Attachment A).		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. **Unplanned Permanent Closure** An unplanned permanent closure occurs if the project owner closes the facility suddenly and/or unexpectedly, on a permanent basis. This includes unplanned closure where the owner implements the on-site contingency plan. It can also include unplanned closure where the project owner fails to implement the contingency plan, and the project is essentially abandoned.		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 issues associated with the proposed facility Closure, Revegetation and Restoration plan's approval, or the desires of local officials or interested parties are inconsistent with the plan, BLM's Authorized Officer the CPM shall hold one or more workshops and/or BLM and the Energy Commission may hold public hearings as part of its approval procedure. As necessary, prior to or during the closure plan process, the project owner shall take appropriate steps to eliminate any immediate threats to public health and safety and the environment, but shall not commence any other closure activities until BLM and the Energy Commission approves the facility Closure, Revegetation and Restoration plan.				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. In the event of an unplanned temporary 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 circumstances and expected duration of the closure. If BLM's Authorized Officer and the CPM determine that an unplanned temporary closure is likely to be permanent, or for a duration of more than 6 months, a Closure Plan consistent with the requirements for a planned closure shall be developed and submitted to BLM's Authorized Officer and the CPM within 90 days of BLM's Authorized Officer and the CPM's determination (or other period of time agreed to by BLM's Authorized Officer and the CPM).			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 rules regarding amendments are amended, the rules in effect at the time an amendment is requested shall apply.			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 documentation for the public record. **Verification Change -** A verification change may be modified by the BLM's Authorized Officer adn the without requesting an amendment to the ROW Grant or Energy Commission decision if the change does not conflict with the conditions of certification and provides an effective alternate means of verification.			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 notice of any changes to scheduling of construction phase.	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 notice of any changes to scheduling of construction phase.	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. 5. A description of the manner in which Native American observers or monitors will be included, the procedures to be used to select them, and their role and responsibilities.	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. 10. A description of the contents and format of the Cultural Resource Report (CRR), which shall be prepared according to ARMR Guidelines.	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	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 deposits;	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 activities are specifically approved by the BLM's Authorized Officer and the CPM.	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 also occurred:	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 reveal new information about the subsurface archaeological character of the project site that warrants the initiation of monitoring for portions of the project site, the BLM's Authorized Officer and the CPM shall provide notification, by letter or e-mail, to the project owner and the CRS, where on the project site monitoring shall be necessary and why, and notification that CUL-7 shall be implemented for the subject portions of the project site.	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 the level of monitoring. The research design in the CRMMP shall govern the collection, treatment, retention/disposal, and curation of any archaeological materials encountered.	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, 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)	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 shall be given to Native Americans with traditional ties to the area that shall be monitored.	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-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 and approval, a copy of final HAER-type documentation of the portion of the Hoover Dam to-San Bernardino transmission line located within the boundaries of the project site produced by any party, that meets HAER-type standards. If the project owner chooses this alternative, 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 alternative final HAER-type documentation to the California State Library and to at least two local libraries in San Bernardino		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 plans and specifications conform to requirements set forth in the Energy Commission decision.	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 specify that all work performed and materials supplied comply with the codes listed above.	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 Building Energy Conservation Systems — 3 Lots Switchyard, Buses, and Towers — 3 Lots Substation — 1 Lot	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 agreed upon by the project owner and the CBO.	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 reports or other tests when they do not conform to approved plans and specifications. The RE shall have the authority to halt construction and to require changes or remedial work if the work does not meet requirements. If the RE or the delegated engineers are 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.	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 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 (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-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 utilities, culverts, site access roads and sanitary sewer systems; and 3. Provide consultation to the RE during the construction phase of the project and recommend changes in the design of the civil works facilities and changes to the construction procedures.	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-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 used as the basis for design of earthwork or foundations (2007 CBC, Appendix Chapter 1, section 114, Stop Orders).	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-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 2. Sign and stamp electrical design drawings, plans, specifications, and calculations.	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 4. Submit a final signed report to the RE, CBO, BLM's Authorized Officer and CPM, stating whether the work requiring special inspection was, to the best of the inspector's knowledge, in conformance with the approved plans, specifications, and other provisions of the applicable edition of the CBC.	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 compact discs.		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 6. Evacuation procedures	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 privacy; 6. 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 toascertain 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 privacy; 7. Site access controls for employees, contractors, vendors, and visitors;		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 Officer. The amount of this bond shall be determined by BLM's Authorized Officer. This bond must be maintained in effect until removal of improvements and restoration of the right-of-way have been accepted by BLM's Authorized Officer and the CPM.	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 estimated public use of the Solar / Ecological Interpretive Center and summarize any issues associated with operating and maintenance activities.			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 certifying compliance with the CBC and other applicable codes, with a copy of the transmittal letter to BLM's Authorized Officer and the CPM.		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 number shall be maintained until the project has been operational for at least one year.	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 statement by the complainant stating that the noise problem is resolved to the complainant's satisfaction	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 mathematically extrapolated to determine the plant noise contribution at the affected location. The character of the plant noise shall be evaluated at the affected residential locations to determine the presence of pure tones or other dominant sources of plant noise.	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 use shall be limited to emergencies.	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 following qualifications: • BS or BA degree in geology or paleontology and one year of experience monitoring in California; or • AS or AA in geology, paleontology, or biology and four years' experience monitoring in California; or • Enrollment in upper division classes pursuing a degree in the fields of geology or paleontology and two years of monitoring experience in California	(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 and the conditions of certification;	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 phone number of the contact person at the institution; and 10. A copy of the paleontological conditions of certification.	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 7. A sticker that shall be placed on hard hats indicating that environmental training has been completed.	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, and general locations of excavations, grading, and other activities. A section of the report shall include the geologic units or subunits encountered, descriptions of samplings within each unit, and a list of identified fossils. A final section of the report will address any issues or concerns about the project relating to paleontological resource monitoring, including any incidents of non-compliance or any changes to the monitoring plan that have been approved by BLM's Authorized Officer and the CPM. If no monitoring took place during the month, the report shall include an explanation in the summary as to why monitoring was not conducted.	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 Officer and the CPM.		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 by both BLM's Authorized Officer and the CPM. The project owner shall operate and maintain the Solar / Ecological Interpretive Center for the life of the ISEGS project.	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. **Watercourses and Critical Areas:** The DESCP shall show the location of all onsite and nearby watercourses including washes, irrigation and drainage canals, and drainage ditches, and shall indicate the proximity of those features to the construction site. Maps shall identify high hazard flood prone areas.	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 including washes, irrigation and drainage canals, and drainage ditches, and shall indicate the proximity of those features to the construction site. Maps shall identify high hazard flood prone areas.	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 approved by both BLM's Authorized Officer and the CPM prior to use. **Project Schedule:** The DESCP shall identify on the topographic site map the location of the site-specific BMPs to be employed during each phase of construction (initial grading, project element construction, and final grading/stabilization). BMP implementation schedules shall be provided for each project element for each phase of construction.	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. 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-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 Section 25531, subdivision (c). The project owner shall develop, obtain both BLM's Authorized Officer and CPM approval of, and implement a construction Storm Water Pollution Prevention Plan (SWPPP) for the construction of the project and an Industrial SWPPP for operation of the project.	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	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 each of all monitoring and other reports required for compliance with the County of San Bernardino water well standards and operation requirements. 7. No later than fifteen (15) days after completion of the onsite water supply wells, the project owner shall submit documentation to BLM's Authorized Officer and the CPM, confirming that well drilling activities were conducted in compliance with Title 23, California Code of Regulations, Chapter 15, Discharges of Hazardous Wastes to Land, (23 CCR, sections 2510 et seq.) requirements and that any onsite drilling sumps used for project drilling activities were disposed in compliance with 23 CCR section 2511(g).		X		9/23/2010	Approved	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 correspond to the date established for the annual compliance report submittal.		X		2011	Ongoing	5/9/2011		
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 inactive areas of the alluvial fans will be determined from the USGS 2006 Open-File Report "Preliminary Surficial Geologic Map of the Mesquite Lake 30' x 60' Quadrangle, California and Nevada" authored by Schmidt and McMackin and field observations. D. The results of the calculated peak storm water flows and channel erosion and heliostat scour analysis together with the recommended heliostat installation depths shall be submitted to the BLM's authorized officer and CPM for review and approval sixty (60) days before the start of heliostat installation.	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 buildup, erosion, or broken glass. Short-Term Incident-Based Response: • Security and Tortoise Exclusion Fence: repair damage, and remove built-up of sediment and debris. • Heliostats: Remove broken glass, damaged structure, and wiring from the ground, and for pylons no longer meeting the Minimum Depth Stability Threshold, either replace/reinforce or remove the mirrors to avoid exposure for broken glass.		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 Officer and the CPM a copy of the Storm Water Damage Monitoring and Response Plan for review and approval prior to commercial operation. The project owner shall retain a copy of this plan onsite at the power plant at all times. The project owner shall prepare an annual summary of the number of heliostats failed, cause of the failure, and cleanup and mitigation performed for each failed heliostat.		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 comparison and assessment of water level data relative to the assumptions and spatial levels simulated by the applicant's groundwater model. 5. After project construction and during project operations, the project owner shall submit the monitoring data annually to both BLM's Authorized Office and the CPM.The summary shall document water level monitoring methods, the water level data, water level plots, and a comparison between pre- and post-project start-up water level trends. The report shall also include a summary of actual water use conditions, monthly climatic information (temperature and rainfall), and a comparison and assessment of water level data relative to the	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 school development fee.		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 conform to applicable LORS (2007 CBC, Appendix Chapter 1, section 106.3.4, Design Professional in Responsible Charge).	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 revised plans.		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 completion of any inspection.		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 throughout the duration of the construction period; • signage and detours to redirect traffic from Colosseum Road during construction activities related to roadway realignment and pipeline installation in and across the Colosseum Road right of way; • a Heavy Haul Plan addressing the transport and delivery of heavy and oversized loads requiring permits from Caltrans or other state and federal agencies; • a work schedule and end-of-shift departure plan will be implemented to limit Friday departures from the site, traveling north to Las Vegas to 12 or fewer vehicles every three minutes between 12:00 noon and 10:00 PM .	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 establish a schedule to complete the repairs and to receive approval for the action(s). Following completion of any public right-of-way repairs, the project owner shall provide a letter signed by the County of San Bernardino and Caltrans District 8 stating their satisfaction with the repairs to BLM's Authorized Officer and the CPM.	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 c) provide requirements and procedures to document, investigate and resolve legitimate complaints regarding glare. 4. The monitoring plan should be coordinated with the FAA, U.S. Department of the Navy, CalTrans, CHP, and Clark County Department of Aviation inrelation to the proposed Southern Nevada Supplemental Airport and beupdated on an annual basis for the first 5 years, and at 2-year intervals thereafter for the life of the project.		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 may be substituted for one of the sides of the power tower of each of the three power plants during the time of day when values would be highest; 4. Measurement of luminance using an illuminance meter, photometer, or similar device and reporting of data in photometric units; themeasurements are intended to provide a relative and quantifiable measure of luminance that can be associated with any observed and reported distraction effect from the power tower receivers that may support anticipation and investigation of any future effects.		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 the Navy, CalTrans, San Bernardino County, SANBAG, CHP and Clark County Department of Aviation, and for review and approval by BLM's Authorized Officer and the CPM.		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. The civil, geotechnical or civil, and design engineer assigned in conformance with Facility Design condition GEN-5, may be responsible for design and review of the TSE facilities.	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 facilities; and 2. Sign and stamp electrical design drawings, plans, specifications, and	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-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: 1. The final Detailed Facility Study (DFS) including a description of facility upgrades, operational mitigation measures, and/or Special ProtectionSystem (SPS) sequencing and timing if applicable, 2. Executed project owner, Transmission System Operator and California ISO Large Generator Interconnection Agreement.	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 measures, and/or SPS sequencing and timing if applicable, shall be provided concurrently to BLM's Authorized Officer and the CPM.		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 the first time.		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 nonconforming work and corrective actions taken, signed and sealed by the registered engineer in charge			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 requirements stated in the condition.		X		TBD	TBD			
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	TBD	TBD			
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 CPM approval. Prior to the start of commercial operation, the project owner shall notify BLM's Authorized Officer and the CPM that surface treatment of all listed structures and buildings has been completed and they are ready for inspection and shall submit to each one set of electronic color photographs from the same key observation points identified in (d) above. The project owner shall provide a status report regarding surface treatment maintenance in the Annual Compliance Report. The report shall specify: a) the condition of the surfaces of all structures and buildings at the end of the reporting year; b) maintenance activities that occurred during the reporting year; and c) the schedule of maintenance activities for the next year.		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	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	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		X		2011	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 of the lighting mitigation plan. Prior to commercial operation, the project owner shall notify BLM's Authorized Officer and the CPM that the lighting has been completed and is ready for inspection. If after inspection, BLM's Authorized Officer and the CPM notify the project owner that modifications to the lighting are needed, within 30 days of receiving that notification the project owner shall implement the modifications and notify BLM's Authorized Officer and the CPM that the modifications have been completed and are ready for inspection. Within 48 hours of receiving a lighting complaint, the project owner shall provide BLM's Authorized Officer and the CPM with acomplaint resolution form report as specified in the Compliance General Conditions including a proposal to resolve the complaint, and a schedule for implementation. The project owner shall notify BLM's Authorized Officer and the CPM within 48 hours after completing implementation of the proposal. A copy of the complaint resolution form report shall be submitted to BLM's Authorized Officer and the CPM within 30 days.		X		11/15/2010	Submitted	11/1/2010; 12/14/2010 (amend. 1)		
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 Board, for guidance and possible oversight.	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 ubmit 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 the CPM in the next scheduled compliance report.		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, in the event of an unplanned closure or planned temporary facility closure; and • a detailed description of how facility wastes will be managed and disposed upon closure of the facility.	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 Authorized Officer and the CPM within 30 days of the date the release was discovered.		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 Officer and CPM for approval.	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 Department for review and comment.		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 • Assure that all the plans identified in WORKER SAFETY-1 and -2 are implemented.	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 • a report of accidents and injuries that occurred during the month.	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 (including linear facilities) safety inspections at intervals necessary to fulfill those responsibilities.	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 payments were approved or recommended under either of the above-described funding resolution options.		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 any conversations between or among the project owner, SBCFD and consultant; and (e) The CPM shall verify that the study is prepared consistent with the approved protocols, or (3) If the project owner and SBCFD do not agree to the recommendations of the independent consultant's study, the Energy Commission or its designee shall, based on the results of the study and comments from the project owner and SBCFD, make the final determination regarding the funding to be provided to the SBCFD to accomplish the above-identified mitigation. No construction of permanent above-ground structures shall occur until funding of mitigation occurs pursuant to either of the resolution options set forth above.	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

June 2011

IVANPAH SOLAR ELECTRIC GENERATING SYSTEM

CALIFORNIA ENERGY COMMISSION
DOCKET NUMBER 07-AFC-5

Completed by:
Tracie Wheaton, AQCMM

Table of Contents

1. Conditions Satisfied During Reporting Period 2
2. Missed Submittal Deadlines 3
3. Project Compliance Activities 3
   - 3.1 AQCMM (AQ-SC1) 3
   - 3.2 AQCMP (AQ-SC2) 3
   - 3.3 Fugitive Dust (AQ-SC3) 3
   - 3.4 Dust Plume Response (AQ-SC4) 4
   - 3.5 Diesel-Fueled Engine Control Requirements (AQ-SC5) 4
4. Scheduled Compliance Activities 5
5. Cumulative Listing of Approved Changes to Conditions of Certification 5
6. Complaints and Compliance Actions (Compliance-6) 5
   - 6.1 Complaints 5
   - 6.2 Notices of Violation 5
   - 6.3 Official Warnings 5
   - 6.4 Citations 5

Appendix A Key Events List
Appendix B Heavy Equipment List
Appendix C Compliance Matrix—Pre-Construction
Appendix D Compliance Matrix—Construction
Appendix E Vehicle Undercarriage Inspection Log

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 (draft) as submitted (AQCMP) on 7-14-2010. On March 11, 2011, BrightSource Energy submitted Revision 2 to the AQCMP to the CEC and BLM for review and approval. No comments have been received from the BLM by BrightSource Energy as of the date of this report. California Energy Commission Compliance Project Manager Joseph Douglas emailed on June 2, 2011 to state that the CEC was okay with the proposed revision. The BLM deferred the approval of the plan to CEC staff.

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.

Installation of the wheel wash station has been completed. The station will become operational once the electrical power connections have been completed. Colosseum Road has been paved from Yates Wells Road to just beyond the Ivanpah Security Guard Station. Photos of the installed unit will be included in the AQCMR once the installation has been completed.

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 June 2011. 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.

Conditions of Certification AQ-SC7 through AQ-SC10 and AQ-1 through AQ-31 are not required to be implemented as no mirror washing, commercial operations, or boiler operations are underway at this time.

2. Missed Submittal Deadlines

There were no missed submittal deadlines within the June 2011 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)

On March 11, 2011, BrightSource Energy submitted Revision 2 to the AQCMP to the CEC and BLM for review and approval. No comments have been received from the BLM by BrightSource Energy as of the date of this report. California Energy Commission Compliance Project Manager Joseph Douglas emailed on June 2, 2011 to state that the CEC was okay with the proposed revision. The BLM deferred the approval of the plan to CEC staff.

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 not implemented as the station construction and required water lines have not yet 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 June 2011 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.

Appendix A

Key Events List

KEY EVENTS LIST

Last Updated March 9, 2011

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	10/04/2010
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)	03/31/2011
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)	12/15/2011
Start Commercial Operation	07/01/2013
Complete All Construction	04/30/2013
GENERATION TIE LINE ACTIVITIES	
Start Generation Tie Line Construction	TBD
Synchronization with Grid and Interconnection	TBD
Complete Generation Tie Line Construction	TBD
FUEL SUPPLY LINE ACTIVITIES	
Start Gas Pipeline Construction and Interconnection	08/29/11
Complete Gas Pipeline Construction	04/03/12
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

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	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	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	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	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	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	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	142	Tier III			Arrived at start of job in October 2010 Removed from site February 18, 2011

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

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 Still on site
16	Scrapper, Caterpillar 631G, Year 2006, LVP owned	LVP 325157	526	Tier III			Arrived at start of job in October 2010 Still on site
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 Still on site
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 Still on site
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

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 Still on site
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 Still on site
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 Still on site
31	Dozer, Caterpillar D10T, year 2005, LVP owned	LVP 345151	579	Tier III			Arrived at start of job in October 2010 Still on site

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	LVP Rented R451199	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 Still on site
37	Compactor, Dynapac CC722, year 2006, owned by Apco	LVP Rented R721017	228	Tier III			Arrived at start of job in October 2010 Still on site
38	Blade, No. 2ZK000168, Model Year 1995; Addison	Crown Fence	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.

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	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

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	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 Currently on site
48	Mini Excavator, CAT 305, owned by Cashman CAT	Crown Fence	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
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

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
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 Still on site
56	Scrapper, Caterpillar 631G, Year 2006, LVP owned	LVP 325151	526	Tier III			Arrived December 13, 2010 Still on site
57	Scrapper, Caterpillar 631G, Year 2007, LVP owned	LVP 325155	526	Tier III			Arrived December 16, 2010 Still on site
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
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

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
61	Water Truck, Mega MST8, Year 2005, LVP owned	LVP 425610	365	Tier III			Arrived on site December 09, 2010 Still on site
62	Forklift, Caterpillar, TBN00728, Year 2010, Cashman owned	LVP Rented CE001072	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 Still on site
64	Compactor, HAMM, GRW15, Year 2010, owned by APCO	LVP Rented R720319	114	Tier III			Arrived on site in December 7, 2010 Still on site
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
67	Crane, Terex RT 780, Year 2008, BEO owned	Bechtel 13917	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 Still on site

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
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
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 Still on site

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
77	Compactor, Caterpillar CP323C, Year 2006, LVP owned	LVP 455690	82.5	Tier III			Arrived on site January 17, 2011 Still on site
78	Backhoe, Caterpillar 420E, year 2010, owned by LVP	LVP 486164	99.9	Tier III			Arrived on site January 17, 2011 Still on site
79	Loader, Caterpillar IT62G, year 2007, owned by LVP	LVP R290393	211	Tier III			Arrived on site January 17, 2011 Still on site
80	Excavator, Caterpillar 320D, year 2008, owned by Cashman	LVP Rented R490260	148	Tier III			Arrived on site January 17, 2011 Still on 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

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
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 Still on site
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
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 Still on site
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

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
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	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	110	Tier III			Arrived on site February 16, 2011 Still on site
94	Forklift, JLG Ind., Year 2008, owned by United Rentals	Bechtel Rented 1056597	110	Tier III			Arrived on site February 16, 2011 Still on site
95	Forklift, JLG Ind., Year 2008, owned by United Rentals	Bechtel Rented 1050456	110	Tier III			Arrived on site February 16, 2011 Still on site
96	Tractor/Loader, New Holland LV80, Year 2006, owned by APCO	LVP Rented	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 Still on site
97	Motor Grader, Caterpillar 140M, Year 2008, owned by Addison	Crown	183	Tier III			Arrived on site March 2, 2011 Left site March 17, 2011

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
98	Dozer, John Deere 650J, Year 2005, owned by Neff Rental	Crown	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
99	Excavator, Caterpillar 223DL, Year 2009, owned by BEO	Bechtel 11-100077	480	Tier III			Arrived on site March 2, 2011 Still on site
100	Grader, Caterpillar 140M, Year 2008, owned by BEO	Bechtel 11-100076	223	Tier III			Arrived on site March 3, 2011 Still on site
101	Excavator, Caterpillar 330D, Year 2008, owned by Cashman	Bechtel Rented 07-2052	480	Tier III			Arrived on site March 3, 2011 Still on site
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	110	Tier III			Arrived on site March 9, 2011 Still on site

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
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
106	Man lift, Genie Z135, Year 2010, owned by Hertz	Bechtel Rented 468-94-0005	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
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	157	Tier III			Arrived on site March24, 2011 Still on site
110	Skidsteer Mower, John Deere 332D, Year 2011, owned by RDO Equipment	Bechtel Rented	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	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 Still on site

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
112	Backhoe, John Deere 310, Year 2011, owned by Sunstate	Elemental Rented 98075	76	Tier III			Arrived on site March 28, 2011 Still on site
113	Loader, Kawasaki 85ZV-2, Year 2007, owned by LVP	LVP 295102	240	Tier III			Arrived on site April 4, 2011 Still on site
114	Excavator, Caterpillar 320D, Year 2007, owned by Cashman	LVP Rented R490285	138	Tier III			Arrived on site April 7, 2011 Still on 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	400	Tier III			Arrived on site April 11, 2011 Still on site
117	Dump Truck, john Deere 400D, Year 2007, owned by RDO	Bechtel Rented 088506	400	Tier III			Arrived on site April 12, 2011 Still on site
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

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
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	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
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	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	55	Tier IV Interim			Arrived on site May 26, 2011 Still on site

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
130	Excavator, Caterpillar 336EL, Year 2010, owned by Cashman	Bechtel Rented	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 Still on site
132	Generator, MuliQuip 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	160	Tier III			Arrived on site June 1, 2011 Still on site
134	Generator, MuliQuip 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	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 Still on site
136	Manlift, Genie S-125, Year 2008, owned by United Rental	Bechtel Rented 1068721	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	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 Still on site

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
139	Dozer, Caterpillar D5K, Year 2008, owned by LVP	LVP R350300	125	Tier III			Arrived on site June 14, 2011 Still on site
140	Excavator, Caterpillar 336EL, Year 2011, owned by Cashman	Bechtel Rented CE001535	225	Tier III			Arrived on site June 15, 2011 Still on site
141	Excavator, Caterpillar 336EL, Year 2011, owned by Cashman	Bechtel Rented CE001536	225	Tier III			Arrived on site June 15, 2011 Still on site
142	Forklift, Huundai 160D, Year 2011, owned by H$E Equipment	Bechtel Rented 10086000	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 Still on site
144	Loader, John Deere 544J, Year 2007, owned by United Rentals	Elemental Rented 981014	70	Tier III			Arrived on site June 22, 2011 Still on site
145	Water truck, Freightliner M2 106, Year 2011, owned by United Rental	Elemental Rented 1195615	115	Tier IV			Arrived on site June 23, 2011 Still on site
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. A second letter is forthcoming.		Arrived on site June 23, 2011 Still on site

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
June 22, 2011

Larry Biggers
Bechtel
Ivanpah Solar Project

Larry,

This letter is to inform you that we currently do *not* have any Tier III **375CFM compressors** available.

Thank you for choosing United Rentals.

Sincerely,

Dan Smerz
General Manager

CASHMAN CAT

Cashman Equipment

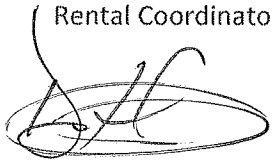
3300 St. Rose Parkway
Henderson, Nevada 89052
800.937.2326 tel
702.633.4699 fax

To whom it may concern,

Cashman Equipment Company is unable to supply a 375CFM air compressor requested by Bechtel that meets the Engine Tier lever 3 requirements. However, Cashman Equipment Company is able to supply a Tier 2 375CFM air compressor serial no. 004-147690 to Bechtel. Once a Tier 3 machine comes available, we will swap the machines around.

Sincerely,

Dustin Hendrickson
Rental Coordinator



JUNE 21, 2011

Bechtel Power Corporation
100302 Yates Well Road
Nipton, CA 92364

Attention: Terry Copeland, Bechtel Site Manager
Matt Carney, Site ES&H Manager
Kalid El Mohamady, 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 Hertel,

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

JUNE 21, 2011

Bechtel Power Corporation
100302 Yates Well Road
Nipton, CA 92364

Attention: Terry Copeland, Bechtel Site Manager
Matt Carney, Site ES&H Manager
Kalid El Mohamady, 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 Hertel,

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

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
June 23, 2011

Michael McNiven
Project Engineer
Elemental Energy
2640 W. Lone Cactus Drive
Phoenix, AZ 85027

Michael,

This letter is to inform you that we currently do *not* have any Tier III John Deere 550J Dozer's available.

As soon as one becomes available, I will contact you directly.

Thank you for choosing United Rentals.

Sincerely,

Dan Smerz
General Manager

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

June 6, 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-E000-004

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 **Cashman Cat Equipment Rental** state 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 mmcniven@klondykeconstructionllc.com

Sincerely,

Michael McNiven
Project Engineer
Elemental Energy Inc.
Email: mmcniven@klondykeconstructionllc.com
Phone: 602-909-0176

CASHMAN CAT

Cashman Equipment

3300 St. Rose Parkway
Henderson, Nevada 89052
800.937.2326 tel
702.633.4699 fax

To whom it may concern,

Cashman Equipment Company is unable to supply a 311 excavator requested by, Klondyke Construction LLC, that meets the Engine Tier lever 3 requirements. However, Cashman Equipment Company is able to supply the following equipment to Klondyke Construction LLC:

311C – S/N #0CKE01735 – Tier 2

Sincerely,

Brian Grayson
Rental Coordinator

June 23, 2011

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	Not started

Appendix E

Vehicle Undercarriage Inspection Log

Inspection Date	Inspector Name	Company Name	Equipment Type	Equipment Number	Equipment Location	Notes
10/05/10	Doug Davis	Crown Fence	Air Compressor 185	07-1659	LVP/Bechtel Temp Laydown Yard	
10/05/10	Doug Davis	Crown Fence	Air Compressor 185	CEOOO517	LVP/Bechtel Temp Laydown Yard	
10/05/10	Doug Davis	Crown Fence	Air Compressor 185	CEOOO563	LVP/Bechtel Temp Laydown Yard	
10/05/10	Doug Davis	Crown Fence	CAT Blade 140H	353	LVP/Bechtel Temp Laydown Yard	
10/05/10	Doug Davis	Crown Fence	CAT Blade 140H	333	LVP/Bechtel Temp Laydown Yard	
10/05/10	Doug Davis	Crown Fence	Cashman Watertruck 4000 g	CEOO1109	LVP/Bechtel Temp Laydown Yard	
10/05/10	Doug Davis	Crown Fence	Cashman D6	07-2001	LVP/Bechtel Temp Laydown Yard	
10/05/10	Doug Davis	LVP	CAT 140H	375381	LVP/Bechtel Temp Laydown Yard	
10/05/10	Doug Davis	LVP	Peterbilt Watertruck 4000 ga	162321	LVP/Bechtel Temp Laydown Yard	
10/05/10	Doug Davis	LVP	Kawasaki 952 Frontend Load	305092	LVP/Bechtel Temp Laydown Yard	
10/08/10	Gilbert Goodlet	Hercules	CAT 330D	07-2052D	Entrance	
10/11/10	Doug Davis	Crown Fence	Crew Truck	Truck 135	Yates Well & Colosseum Road	Truck clean and sent to Crowns Yard
10/12/10	Doug Davis	LVP	Bobcat Trencher New Hollar	284932	Yates Well & Colosseum Road	Trencher for Tortoise fence
10/13/10	Doug Davis	Crown Fence	Back Hoe 420E	28-536	Yates Well & Colosseum Road	Looks brand new
10/13/10	Doug Davis	Crown Fence	Forklift	07-1905	Yates Well & Colosseum Road	Very clean
10/14/10	Doug Davis	Crown Fence	262C CAT Skidsteer	07-1101	Yates Well & Colosseum Road	
10/22/10	Doug Davis	Crown Fence	Flatbed Truck	91	Yates Well & Colosseum Road	
10/26/10	Doug Davis	Jensen Drilling	Truck	F-102	Yates Well & Colosseum Road	All good
10/26/10	Doug Davis	Jensen Drilling	Drill Rig	V22 (DB102)	Yates Well & Colosseum Road	All good
10/26/10	Doug Davis	Jensen Drilling	Forklift	1070089	Yates Well & Colosseum Road	All good
10/27/10	Doug Davis	Jensen Drilling	Drill Rig	EGT	Colosseum Road	
11/08/10	Doug Davis	LVP	CAT 631G Scrapper	325159	Colosseum Road & Yates Well	Good to go.
11/08/10	Doug Davis	LVP	CAT 631G Scrapper	325156	Colosseum Road & Yates Well	Good to go.
11/08/10	Doug Davis	LVP	CAT 631G Scrapper	325154	Colosseum Road & Yates Well	Good to go.
11/08/10	Doug Davis	LVP	CAT 631G Scrapper	325157	Colosseum Road & Yates Well	Good to go.
11/08/10	Doug Davis	LVP	CAT 623G Paddlewheel	335113	Colosseum Road & Yates Well	Good to go.
11/16/10	Doug Davis	LVP	CAT D10T Dozer	34850	Colosseum Road & Yates Well	Clean, no problems and no leaks
11/16/10	Doug Davis	LVP	CAT 631G Scrapper	325148	Colosseum Road & Yates Well	Clean, no problems and no leaks
11/16/10	Doug Davis	LVP	CAT 1414 Blade	375381	Colosseum Road & Yates Well	Clean, no problems and no leaks
11/16/10	Doug Davis	LVP	CAT 1414 Blade	375317	Colosseum Road & Yates Well	Clean, no problems and no leaks
11/17/10	Doug Davis	LVP	Compaction Roller	CC722 Dynapac	Colosseum Road	Clean
11/17/10	Doug Davis	LVP	Compaction Roller	BW 213PDH-3 Bomag	Colosseum Road	Clean
11/17/10	Doug Davis	LVP	Scrapper	515G	Colosseum Road	Clean
11/17/10	Doug Davis	LVP	D10 Dozer	345151	Colosseum Road	Clean
11/17/10	Doug Davis	LVP	CAT CS-563E Roller	455686	Colosseum Road & Yates Well	Clean and no leaks. In good condition.
11/17/10	Doug Davis	LVP	CAT 14H Blade	375309	Colosseum Road & Yates Well	Clean and no leaks. In good condition.
11/17/10	Doug Davis	LVP	CAT 825H Sheepsfoot	465681	Colosseum Road & Yates Well	Clean and no leaks. In good condition.
11/29/10	Doug Davis	LVP	Dynapac CP-271 Roller	715242	Colosseum Road (LVP Staging area)	Clean
11/29/10	Doug Davis	LVP	Dynapac CC-501	725291	Colosseum Road (LVP Staging area)	Clean
12/06/10	Doug Davis	Bechtel	Excavator 330D (Pylon test)	07-2052	Laydown area Common East	Clean
12/06/10	Doug Davis	Bechtel	Skidsteed 247B2 CAT (Pylon	07-1095	Colosseum Road	Clean
12/06/10	Doug Davis	Elemental Energy	Utility Truck International C	New	Colosseum Road & Yates Well	Clean
12/06/10	Doug Davis	Elemental Energy	Trailer	32631004	Colosseum Road & Yates Well	Clean
12/07/10	Doug Davis	Crown Fence	Mini-Ex 305C	CE000180		

12/07/10	Doug Davis	Crown Fence	Forklift TL943CAT	06-2226		
12/09/10	Doug Davis	Elemental Energy	Crane RT 530E-2	XD3F54	Yates Well & Colosseum Road	New so no problems
12/13/10	Doug Davis	Bechtel	410J John Deere	None	Yates Well & Colosseum Road	Clean and no leaks.
12/13/10	Doug Davis	LVP	631 G Scrapper	Mar-90	LVP Yard	Clean and no leaks.
12/13/10	Doug Davis	LVP	631 G Scrapper	Mar-90	LVP Yard	Clean and no leaks.
12/16/10	Doug Davis	Layne Christensen	Ingersoll-Rand 1170 Compre	27AC0059	Colosseum Road	Clean and no leaks.
12/16/10	Doug Davis	LVP	Dynapac CP271 Roller	715202	Colosseum Road (LVP Staging area)	Clean and no leaks.
12/16/10	Doug Davis	LVP	14H Blade	375319	Colosseum Road (LVP Staging area)	Clean and no leaks.
12/16/10	Doug Davis	LVP	631G Scrapper	325151	Colosseum Road (LVP Staging area)	Clean and no leaks.
12/20/10	Doug Davis	Bechtel	Cashman Water Truck	07-834	Common East	Lic#40460A
12/20/10	Doug Davis	Bechtel	328D LCR Excavator	RR298	Common East	
12/20/10	Doug Davis	Bechtel	Mack Dump Truck	03-6373	Common East	No plate.
12/21/10	Doug Davis	Bechtel	Walk Behind Compactor	6686	CLA - East	New
12/28/10	Doug Davis	LVP	852V Loader Kawasaki	295105	Yates Well (LVP Yard)	Clean
01/10/11	Doug Davis	Bechtel	Bobcat CAT 289C Cashman (	CE00734	Colosseum Rd	New/Clean
01/12/11	Doug Davis	LVP	51E8 Komatsu Dozer	5E7V87	Colosseum Road	Clean
01/12/11	Doug Davis	LVP	Takeuchi TB Mini-EX	496140	Colosseum Road	Clean
01/13/11	Doug Davis	Bechtel	Light Towers Magnum Unite	1127681	CLA - East	Clean
01/13/11	Doug Davis	Bechtel	Light Towers Magnum Unite	1141701	CLA - East	Clean
01/13/11	Doug Davis	Bechtel	Light Towers Magnum Unite	1127682	CLA - East	Clean
01/13/11	Doug Davis	Bechtel	Light Towers Magnum Unite	1143798	CLA - East	Clean
01/18/11	Doug Davis	Bechtel	Fork Reach Lift Genie GTH 1(	BES 27854	Guard Shack	Clean
01/18/11	Doug Davis	Bechtel	TEREX RT780	BES 20675	Guard Shack	Clean
01/18/11	Doug Davis	LVP	CAT CD-323 Roller	455690	LVP Staging Area	Clean
01/18/11	Doug Davis	LVP	CAT Backhoe	486164	LVP Staging Area	Clean
01/18/11	Doug Davis	LVP	CAT 62H Excavator	R290393	LVP Staging Area	Clean
01/18/11	Doug Davis	LVP	CAT 320D Excavator	R490260	LVP Staging Area	Clean
01/18/11	Doug Davis	LVP	CAT 14H Blade	375317	LVP Staging Area	Clean
01/19/11	Doug Davis	Bechtel	Genie Forklift GTH1048	Engine #PE4045L038242	CLA - East	Clean
01/19/11	Doug Davis	Bechtel	Mack Dump Truck Granite	Engine #5P161011GBA	CLA - East	Clean
01/19/11	Doug Davis	Bechtel	John Deere Loader 624J	PE6068L020745	CLA - East	Clean
01/19/11	Doug Davis	Bechtel	Freightliner	CAT C-13 Acert	CLA - East	Clean
01/20/11	Doug Davis	LVP	14H Blade	374305	Colosseum	Clean
01/24/11	Doug Davis	Bechtel	Skyjack SJ113219	1049294	Guard Shack	Clean
01/24/11	Doug Davis	Bechtel	Skyjack SJ113219	791880	Guard Shack	Clean
01/24/11	Doug Davis	Bechtel	Genie Manlift	1066991	Guard Shack	Clean
01/25/11	Doug Davis	Layne Christensen	Drill Rig	CAT #5535	Common East	Clean
02/01/11	Doug Davis	Bechtel	Cashman Dump Truck	06-3291	CLA - East	Clean - All on road
02/01/11	Doug Davis	Bechtel	Cashman Dump Truck	06-3289	CLA - East	Clean - All on road
02/01/11	Doug Davis	Bechtel	United Rental Dump Truck	1110121	CLA - East	Clean - All on road
02/08/11	Doug Davis	Bechtel	Wacker Compactor Vilo Plat	Ser #5827576	Laydown area Common East	Clean
02/08/11	Doug Davis	Bechtel	Mitsubishi Light Plants	Ser #L3E217625	Laydown area Common East	Clean
02/08/11	Doug Davis	Bechtel	Mitsubishi Light Plants	Ser #L3E217616	Laydown area Common East	Clean
02/08/11	Doug Davis	Bechtel	Mitsubishi Light Plants	Ser #L3E217620	Laydown area Common East	Clean
02/08/11	Doug Davis	Bechtel	Mitsubishi Light Plants	Ser #L3E217619	Laydown area Common East	Clean
02/10/11	Doug Davis	Bechtel	ISUZU Generator	6070010	Laydown area Common East	Clean

02/10/11	Doug Davis	Bechtel	Deutz Manlift	1350JJP	Laydown area Common East	Clean
02/10/11	Doug Davis	Bechtel	ISUZU Generator	755460	Laydown area Common East	Clean
02/14/11	Doug Davis	LVP	New Halland Gannan	R481698	Laydown area Common East	Clean
02/14/11	Doug Davis	LVP	Paddlewheel	335114	Laydown area Common East	Clean
02/16/11	Doug Davis	Bechtel	H&E Manlift	J6D60097-54-R49	Guard Shack	Clean
02/16/11	Doug Davis	Bechtel	Freightliner Water Truck	Lic Plate #2564XV	Guard Shack	Clean
02/16/11	Doug Davis	Bechtel	Manlift	JG0300007	Guard Shack	Clean
02/16/11	Doug Davis	Bechtel	Manlift	JG040168	Guard Shack	Clean
02/16/11	Doug Davis	Bechtel	Manlift	JG050141	Guard Shack	Clean
02/16/11	Doug Davis	Bechtel	Manlift	JG050144	Guard Shack	Clean
02/16/11	Doug Davis	Bechtel	Manlift	JG060158	Guard Shack	Clean
03/07/11	Alex Rylen	CW&M Brinkerhoff	Plastic pipe in bundles	Truck Vin #7D636102	Ivanpah	Clean
03/07/11	Alex Rylen	Landstar	Spreader bar	Serial # 10-11-200	Ivanpah	Clean
03/07/11	Alex Rylen	Lonstar Transportation	Steel Pylons	Vin # 7D679734	Ivanpah	Clean
03/07/11	Alex Rylen	Marlowe Smith Trucking	2 Flatbed trailers	Vin # ASAR3945	Ivanpah	Truck failed inspection . Too much dirt. Was NOT allowed on site.
03/07/11	Alex Rylen	Fahsholtz Farms	Plastic tubes on Flatbed	Truck #1210138	Ivanpah	Clean
03/07/11	Alex Rylen	Fahsholtz Farms	Plastic tubes on Flatbed	#55 on tractor	Ivanpah	Clean
03/07/11	Alex Rylen	CAT Rental	Bull Dozer	116071	Bechtel	Clean
03/08/11	Pamela Benson	Fahsholtz Farms	Peterbuilt	55	Ivanpah	Clean
03/09/11	Mike Thomas	Bechtel	Fork Lift	Hertz #412-10-0035	Ivanpah	Equipment all clean.
03/09/11	Mike Thomas	Lonstar Transportation	33 bundles of pylons	Truck #SD548	Ivanpah	Clean
03/09/11	Mike Thomas	Lonstar Transportation	Bolts of steel rings	Truck #900194	Ivanpah	Clean
03/09/11	Thomas Koning	Lonstar Transportation	Bolts of steel rings	Truck #900065	Bechtel	Clean
03/09/11	Mike Thomas	Elemental Energy	CAT / Shovel	Cashman #CE000627	Ivanpah	Equipment has to much dirt up under tracks. Truck returned and was clean/ok.
03/10/11	Mike Thomas	Bechtel	Genie / Man Lift	468-94-0005 & BR4B84	Ivanpah	Clean
03/10/11	Thomas Koning	Stich Trucking	Pipe	37	Ivanpah	Clean
03/10/11	Thomas Koning	Merll	Pump	123	Ivanpah	Clean
03/10/11	Mike Thomas	Lonstar Transportation	Pylons	900100	Ivanpah	Clean
03/10/11	Mike Thomas	Klondike / Elemental	CAT Shovel	53044	Ivanpah	Equipement is clean / ok.
03/10/11	Mike Thomas	United Rental	ATV (4x4)	1135724	Ivanpah	OK
03/14/11	Pamela Benson	Lonestar	Pipe, Pylons & Cap assembli	80013574	Bechtel	OK
03/14/11	Pamela Benson	Mini Mobile	Container	2093	Construction Testing Serv	OK
03/14/11	Pamela Benson	ATS	Pylon and Cap Assemblies	80013646	Bechtel	Ok
03/14/11	Pamela Benson	Everhart	Anchor Bolts and Steel	15913, 15903	Bechtel	Passed inspection.
03/14/11	Pamela Benson	Lonestar	Pylon and Cap Assemblies	80013556	Bechtel	Passed inspection.
03/14/11	Pamela Benson	Lonestar	Pylon and Cap Assemblies	80013623	Bechtel	Passed inspection.
03/14/11	Pamela Benson	Landstar	Pylon and Cap Assemblies	80013625	Bechtel	Passed inspection.
03/14/11	Thomas Koning	Lonestar	Pipe	900126	Ivanpah	Truck was clean
03/14/11	Thomas Koning	Lonestar	Pipe	900221	Ivanpah	Truck was clean
03/14/11	Pamela Benson	AIS	Empty Tool Container	72381	Bechtel	Truck was just cleaned yesterday.
03/14/11	Pamela Benson	Jaytec LLC, ATS Specified	Pylon and Cap Assemblies	3233214	Bechtel	Clean
03/14/11	Thomas Koning	GMR Transportation	Fence	1004	Ivanpah	Truck was clean
03/14/11	Pamela Benson	C&C Trucking (Dallas)	23 Pallets of Fence Rolls	146073	Crown Fence	Passed inspection.

03/14/11	Thomas Koning	William Thomas	Fence	220	Ivanpah	Truck was clean
03/15/11	Pamela Benson	Jaytec LLC, ATS Specified	Pylon and Cap Assemblies	80013627	Bechtel	Passed inspection.
03/15/11	Thomas Koning	TIC Transportation	AIR carried	248	Ivanpah	All clean.
03/15/11	Pamela Benson	Jaytec LLC, ATS Specified	Pylon and Cap Assemblies	80013641	Bechtel	All clean.
03/15/11	Pamela Benson	Therm-ALL / Liberty	120 Rolls, 72 Installation	191775	Pacific Link	All
03/15/11	Pamela Benson	United Rental	Generator	735589	For Mike Laver	All clean.
03/15/11	Pamela Benson	Jaytec LLC, ATS Specified	Pylon and Cap Assemblies	3233205	Bechtel	All clean.
03/15/11	Pamela Benson	Therm-ALL / Liberty	Installation	191775	Pacific Link	All clean.
03/15/11	Pamela Benson	UPS Freight	Fire Hydraulic	929033 UPGF	Bechtel	Passed inspection.
03/15/11	Pamela Benson	Jaytec LLC, ATS Specified	33 bundles of pylons		Bechtel	All clean.
03/15/11	Pamela Benson	Alvero Trucking/Jaytec	Pylon and Cap Assemblies	80013644	Bechtel	All clean.
03/15/11	Pamela Benson	Neff Rental	Water Tank on Small Trailer	1042577	Crown Fence	All clean.
03/16/11	Thomas Koning	ATS Specified	Pylon and Cap Assemblies	11025	Ivanpah	All clean.
03/16/11	Thomas Koning	ATS Trucking	Crane RT 530E-2	4842	Ivanpah	Truck was clean
03/16/11	Thomas Koning	Sunset Curve	Pipe	Truck #996	Ivanpah	Truck was all clean.
03/16/11	Thomas Koning	ATS Trucking	Crane Parts	48421	Ivanpah	Truck was ok.
03/16/11	Thomas Koning	ATS Trucking	Pylon and Cap Assemblies	71570	Ivanpah	Truck was ok.
03/16/11	Thomas Koning	Elemental Energy	Wood Pole	29	Ivanpah	Truck was ok.
03/16/11	Thomas Koning	M&M Trucking	Rebar	74321	Ivanpah	Trucak was good to go.
03/17/11	Thomas Koning	ATS Trucking	Crane Parts	72205	Ivanpah	Truck was clean
03/17/11	Thomas Koning	ATS Trucking	Crane Parts	71804	Ivanpah	Truck was clean
03/17/11	Thomas Koning	Dallas Mavis Trucking	1 Bundle Aluminum	4072	Ivanpah	Truck let in.
03/17/11	Thomas Koning	San Benito Transport	Rebar	P1585	Ivanpah	Truck was clean
03/17/11	Thomas Koning	Stich Trucking	Rebar	K164	Ivanpah	Truck was clean
03/17/11	Harry Barnett	Select	Pylon		Ivanpah	Passed inspection.
03/17/11	Mike Thomas	Cornejo & Son	Lumber		Ivanpah	Passed inspection.
03/17/11	Mike Thomas	Select Shippers, Inc.	Pylons		Delivery Truck	Passed inspection.
03/17/11	Harry Barnett	White Cap	Surflex	WD #1009163	Delivery Truck	Passed inspection.
03/17/11	Harry Barnett	Dedicated Express	Pallet - Wire		Delivery Truck	Passed inspection.
03/17/11	Mike Thomas	Ahern / Elemental	Front Loader #CR8J44-#4611	114178	Elemental	Passed inspection.
03/21/11	Pamela Benson	Soriano / Jaytec	Pylon and Cap Assemblies	80013650	Bechtel	All clean.
03/21/11	Pamela Benson	ATS / Jaytec	Pylon and Cap Assemblies	80013648	Bechtel	All clean.
03/21/11	Pamela Benson	Jelinek Trans / Jaytec	Pylon and Cap Assemblies	80013823	Bechtel	All clean.
03/21/11	Thomas Koning	Bennett Trucking		208389	Bechtel	All was clean.
03/21/11	Pamela Benson	Neff Rental	Mini Ex Bob Cat w/xtra buck	317318 / 043868	Crown Fence	Clean. Passed Inspection.
03/22/11	Pamela Benson	ATS / Jaytec	Pylon and Cap Assemblies	80013649	Bechtel	Clean.
03/22/11	Pamela Benson	Stick Trucking/Westys	Piping	K03-F10-99	Bechtel	Clean.
03/22/11	Pamela Benson	Landstar / Jaytec	Pylon and Cap Assemblies	80013824	Bechtel	Clean.
03/22/11	Pamela Benson	Select Shippers, Inc.	Pylon and Cap Assemblies	80013647	Bechtel	Passed inspection.
03/22/11	Pamela Benson	Daily Express	Container full of Tools	T6533	Bechtel	Clane and clear.
03/22/11	Pamela Benson	Admiral Merchants	Wire	7375	Elemental Energy	Passed inspection.
03/22/11	Pamela Benson	Packard Trans/Southwire	Wire	7375	Elemental Energy	Passed inspection.
03/22/11	Pamela Benson	Southwire	Wire	7375	Elemental Energy	Passed inspection.
03/23/11	Mike Thomas	Lonestar / Bechtel	Pylons	900255	Delivery Truck	Passed inspection.
03/23/11	Mike Thomas	ATS / Bechtel	Pylons		Delivery Truck	Passed inspection.
03/24/11	Mike Thomas	Pac Lease / Bechtel	Pylons	HCS / MC #722302	Delivery Truck	Passed inspection.

03/24/11	Mike Thomas	Pac Lease / Bechtel	Pylons		Delivery Truck	Passed inspection.
03/24/11	Mike Thomas	Bennett Trucking	45' Blue Container	206078	Bechtel	Passed inspection.
03/24/11	Harry Barnett	Bechtel	Truck with Pylons	H - Décor	Delivery Truck	Ok.
03/28/11	Pamela Benson	ATS	3 bundels of Angel	15871	Bechtel	All clean.
03/28/11	Pamela Benson	ATS / Jaytec	Pylon and Cap Assemblies	80013829	Bechtel	All clean. Passed Inspection.
03/18/11	Pamela Benson	ATS / Jaytec	Pylon and Cap Assemblies	80013831	Bechtel	All clean. Passed Inspection.
03/28/11	Pamela Benson	ATS / Jaytec	Pylon and Cap Assemblies	80013827	Bechtel	All clean. Passed Inspection.
03/28/11	Pamela Benson	Action Messenger	Wire	1150714	Bechtel	All clean. Passed Inspection.
03/28/11	Pamela Benson	Landstar / Jaytec	Pylon and Cap Assemblies	80015836	Bechtel	Passed inspection.
03/28/11	Pamela Benson	Select Shippers, Inc.	Pylon and Cap Assemblies	380013820	Bechtel	Passed inspection.
03/28/11	Thomas Koning	Landstar / Bechtel	Pylon and Cap Assemblies	414038	Ivanpah	Truck was ok.
03/28/11	Pamela Benson	Lori Rose (Bio)	Horse Trailer	Lady Wienna/Rembrant	Bio Connex	Clean. Taking to end of wash. Just parking it here for a few days per Doug Davis.
03/28/11	Thomas Koning	Elemental Energy	Aluminum Wire	4486	Ivanpah	Truck was ok.
03/28/11	Pamela Benson	Conco	Steel and Brick	12018	Conco	Passed inspection.
03/28/11	Pamela Benson	Conco/Stidham Trucking	NT-1 Top Bars and Steel	11991	Conco	Passed inspection.
03/28/11	Pamela Benson	Hanes Geo Components	Misc Fabric Rolls	065-17142	LVP	All clean.
03/29/11	Pamela Benson	Stidham	Rebar		Delivery Truck	Clean. Passed Inspection.
03/30/11	Mike Thomas	Stidham / Bechtel	Rebar		Delivery Truck	Passed inspection.
03/30/11	Mike Thomas	CAT / Bechtel	Caterpillar / Roller	CS583E	Bechtel	Passed inspection.
03/31/11	Mike Thomas	Admiral Merchants	Reel		Delivery Truck	Passed inspection.
03/31/11	Mike Thomas	Admiral Merchants	Reel		Delivery Truck	Passed inspection.
04/04/11	Thomas Koning	Bechtel	Hand Rail	21800	Ivanpah	Truck was ok.
04/04/11	Pamela Benson	Underwood	Air Handling Units	48747	Bechtel / Pacific Rim	Passed inspection.
04/04/11	Pamela Benson	Prime Inc. / CBL Highland	Brackets and Bracing	13795701	Bechtel	Passed inspection.
04/05/11	Pamela Benson	Hopper Hauling/ISCO Ind.	Pipes and Black Plastic	12401026	Bechtel	Clean. Passed Inspection.
04/03/11	Pamela Benson	NTS	Pipes	46630	Bechtel	Passed inspection.
04/05/11	Pamela Benson	Hopper Hauling/ISCO Ind.	Pipes Black	12401022	Bechtel	Clean. Passed Inspection.
04/07/11	Mike Thomas	Neff Rental	Water Tanker		Crown Fence	Passed inspection.
04/26/11	Thomas Koning	Conway	Freight	1117	Bechtel	Passed inspection.
04/27/11	Thomas Koning	Bechtel	CAT	7496	Ivanpah	Passed inspection.
04/27/11	Thomas Koning	Bennett Trucking	Freight	6C338017	Ivanpah	Passed inspection.
04/27/11	Thomas Koning	Mercer	Freight	5439	Ivanpah	Passed inspection.
04/27/11	Thomas Koning	Melton Truck Lines	Wire	6514	Ivanpah / Bechtel	Passed inspection.
04/28/11	Thomas Koning	Melton Truck Lines	Freight	6194	Ivanpah	Passed inspection.
05/02/11	Mike Thomas	Movin Iron	Forklift	TS9972		Passed inspection.
05/02/11	Thomas Koning	Mercer Truck Lines	Containers	10810	Ivanpah	Passed inspection.
05/03/11	Pamela Benson	VNK Transportation	Roll Cable		Elemental	Passed inspection.
05/05/11	Mike Thomas	BSE / RoadEx	Mirror Spacer	Container #APZU342481		Passed inspection.
05/09/11	Pamela Benson	Summit Equip Rental	Manlift		Bechtel	Passed inspection.
05/09/11	Pamela Benson	Sundance	Horse Trailer	Lady Wienna	Bio Connex	Passed inspection.
05/09/11	Pamela Benson	Carterm / Pavilion Airgroup	Extensions, Shims		Bechtel / Pacific Rim	Passed inspection.
05/09/11	Pamela Benson	Taylor Machine Works	Spreader Assembly, Drive Axle with Tires	210501	Bechtel	Passed inspection.
05/09/11	Pamela Benson	Taylor Machine Works	Stacker Boom Assembly	Mod #T89972	Bechtel	Passed inspection.

05/09/11	Pamela Benson	Taylor NE / EZE Trucking	Stacker, Steel Axle, Steer Tires, Box Parts	31587	Bechtel	Passed inspection.
05/09/11	Pamela Benson	Hertz	2 lifts, 3 generators	461-83-7034, 461436022, 549200158, 549200152, 549200151	Bechtel	Passed inspection.
05/10/11	Thomas Koning	Conco	Rebar Stidham Trucking	K159	Ivanpah	Passed inspection.
05/10/11	Pamela Benson	Conco	Rebar	2536	Bechtel	Passed inspection.
05/10/11	Pamela Benson	Swift/Reily Elec Supply	Pipe tubing, Iron	165573	Bechtel	Passed inspection.
05/10/11	Pamela Benson	DSKA VSA	Framing Panels	415208626	Bechtel	Passed inspection.
05/10/11	Pamela Benson	DOKA USA	Framing Panels	415208628	Bechtel	Passed inspection.
05/11/11	Mike Thomas	Rockway Precast	Precast Cement Blocks			Passed inspection.
05/11/11	Thomas Koning	Preferred	3 McCormick Model CX1100	None	Ivanpah	Passed inspection.
05/12/11	Mike Thomas	Jenson	Precast Cement Blocks			Passed inspection.
05/12/11	Mike Thomas	NTS Trucking	Pipe			Passed inspection.
05/12/11	Mike Thomas	APCO Equipment	Shovel (Takeuchi)	TB# 45		Passed inspection.
05/12/11	Mike Thomas	Daily Express	Tower Section	3 Overloads		Passed inspection.
05/12/11	Harry Barnett	FedEx				Passed inspection.
05/12/11	Thomas Koning	Conco Stidham Trucking	Rebar	K117	Ivanpah	Passed inspection.
05/12/11	Thomas Koning	Conco Stidham Trucking	Rebar	K161	Ivanpah	Passed inspection.
05/12/11	Thomas Koning	Conco Stidham Trucking	Rebar	K177	Ivanpah	Passed inspection.
05/12/11	Mike Thomas	Stidham Trucking	Rebar			Passed inspection.
05/16/11	Pamela Benson	Mercer Transport	Container - Misc Items	13603	Bechtel	Passed inspection.
05/16/11	Pamela Benson	H&E Equipment	Forklift	YA080017	Bechtel	Passed inspection.
05/16/11	Pamela Benson	Roadway Transpo	Building Material	25542-230-FPA-VA11-00001	Bechtel	Passed inspection.
05/16/11	Pamela Benson	Bechtel to Bechtel	Counterweights	13603	Bechtel	Passed inspection.
05/16/11	Pamela Benson	Lynx Xpress	Tower Section	13603	Bechtel	Passed inspection.
05/16/11	Thomas Koning	TP Trucking /Butler Elec.	Pipe Conduit, Iron, Steel, Alum		Bechtel	Passed inspection.
05/16/11	Pamela Benson	Conco	Unit 2, but Lay 2B Rebar	2536	Bechtel	Passed inspection.
05/16/11	Thomas Koning	Conco Stidham Trucking	Rebar	596	Ivanpah	Passed inspection.
05/16/11	Pamela Benson	Estransport		1243	LVP	Passed inspection.
05/16/11	Pamela Benson	Neff Rental	Water Truck	338852	Crown Fence	Passed inspection.
05/16/11	Pamela Benson	Inway Const Transpo		13603	Bechtel	Passed inspection.
05/17/11	Pamela Benson	SCE	Misc Truck with 5th Wheel Trailer		SCE	Passed inspection.
05/17/11	Pamela Benson	Mercer	Counterweights	13603	Bechtel	Passed inspection.
05/17/11	Pamela Benson	Landstar	Tower Crane Section	13603	Bechtel	Passed inspection.
05/17/11	Pamela Benson	Roadstar	Tent Canopies	25542-230-FPA-VA11-00001	Bechtel	Passed inspection.
05/17/11	Pamela Benson	T.T.I Transport	Machinery	69991-3	Bechtel	Passed inspection.
05/17/11	Thomas Koning	Bechtel	Counterweights	150045	Ivanpah	Passed inspection.
05/17/11	Pamela Benson	J. Macias Trucking	Rebar		Conco	Passed inspection.
05/17/11	Thomas Koning	Conco Stidham Trucking	Rebar	K46	Ivanpah	Passed inspection.
05/18/11	Mike Thomas	Elemental Energy	Power Cable			Passed inspection.
05/18/11	Thomas Koning	C.R.S.T. Trucking	Machinery	74841	Ivanpah	Passed inspection.
05/18/11	Mike Thomas	Daily Express	Main Hoist			Passed inspection.
05/23/11	Pamela Benson	IRT Westside Bldg Mat.	Installation	1098079	Bechtel	Passed inspection.
05/23/11	Pamela Benson	Ed Gladder Trucking	Boom Tip, Ladder, Hook Loc	6203715	Bechtel	Passed inspection.
05/23/11	Pamela Benson	Hoppers Hauling	Pipe	12403618	Bechtel	Passed inspection.

05/23/11	Pamela Benson	Soriano Trans	Boom for Crane	6282	Bechtel	Passed inspection.
05/23/11	Pamela Benson	HR Trucking / Payton	Boom	888 / 8881248	Bechtel	Mick look at tire/oil barring out. Clean before going in.
05/23/11	Pamela Benson	Stick Trucking/Team Ind.	Pipe	K03-F10-000-000-21	Bechtel	Passed inspection.
05/23/11	Pamela Benson	Westys Trucking/Team Ind.	Pipe		Bechtel	Passed inspection.
05/23/11	Pamela Benson	Daily Express	Tower Section	562231	Bechtel	Passed inspection.
05/23/11	Pamela Benson	TFS / Schenker	55 gal drum sealant	7861111545	Bechtel	Passed inspection.
05/23/11	Pamela Benson	Legacy Logistics/PacWest	Hardwood II Bundles	1710	Bechtel	Passed inspection.
05/23/11	Pamela Benson	H&E Equipment	Forklift		Bechtel	Takeout dirty.
05/23/11	Pamela Benson	Doka	Rebar		Bechtel	Passed inspection.
05/23/11	Pamela Benson	Dielco Crane Services	Crane	RT700E YFSR65	Bechtel	Passed inspection.
05/23/11	Thomas Koning	Bechtel	Tower Crane	607	Ivanpah	Passed inspection.
05/24/11	Pamela Benson	Daily Express	Boom for Crane	13603	Bechtel	Passed inspection.
05/24/11	Pamela Benson	CA Pacific	Tower Crane	IAP 414620	Bechtel Unit #1	Passed inspection.
05/24/11	Pamela Benson	CA Pacific	Tower Crane Panel	IAP 414620	Bechtel	Passed inspection.
05/24/11	Pamela Benson	Williams Spec. Hauling	Crane Part Tower	13603	Bechtel	Passed inspection.
05/24/11	Pamela Benson	Landstar	Loader tires, Butt section of Crane	13603	Bechtel	Passed inspection.
05/24/11	Pamela Benson	Mobil Mini Stonehurst Yard	Office Trailer		Bechtel	Passed inspection.
05/24/11	Pamela Benson	Landstar	Boom Incert, Grn Gang Box	13603	Bechtel	Passed inspection.
05/24/11	Pamela Benson	CA Pacific Export	Tower Panel	IAP 414620	Bechtel Unit #1	Passed inspection.
05/25/11	Thomas Koning	Daily Trucking	Tower Crane Part		Ivanpah	Passed inspection.
05/26/11	Mike Thomas	White Cap		527138		Passed inspection.
05/26/11	Mike Thomas	Day & Night	Racks			Passed inspection.
05/26/11	Mike Thomas	Hoppers Hauling	Tubing			Passed inspection.
05/26/11	Mike Thomas	Rockway Precast				Passed inspection.
05/26/11	Mike Thomas	Larian Transportation	Tower Crane Parts	12		Passed inspection.
05/26/11	Mike Thomas	Rosser Trucking	Tower Crane Parts	76		Passed inspection.
05/26/11	Mike Thomas	Squires	Lumber	Truck #216		Passed inspection.
05/26/11	Mike Thomas	Ed Bandini & Sons	Tower Crane Parts	B8		Passed inspection.
05/31/11	Pamela Benson	LB Contanan Transpo		GATV83-3118	BrightSource	Passed inspection.
05/31/11	Pamela Benson	Conco Stidham Trucking	Rebar and Steel	2536		Passed inspection.
05/31/11	Pamela Benson	Westy / Team Ind.	Pipe	Job # KO3-F10-99	Bechtel	Passed inspection.
05/31/11	Pamela Benson	Rosser / CA Pacific	Tower Crane 7 of 12	6656825	Bechtel Unit #1	Passed inspection.
05/31/11	Pamela Benson	Mercer	Tower Crane	13603	Bechtel	Passed inspection.
05/31/11	Pamela Benson	B&WJ / Prospect Steel	Columns	2279	Bechtel	Passed inspection.
05/31/11	Pamela Benson	Doss/DSI	Threadbar	PO # C226610	Bechtel	Passed inspection.
05/31/11	Pamela Benson	Payton	Boom Section Crane	888	Bechtel	Passed inspection.
05/31/11	Pamela Benson	Olson Precast Co.	Solar Bases	41549	Bechtel	Passed inspection.
05/31/11	Pamela Benson	Westys Trucking/Team Ind.	Pipe	290	Bechtel	Passed inspection.
05/31/11	Pamela Benson	WERDCo BC Inc/Olson	Solar Bases	00 Truck #	Bechtel	Passed inspection.
05/31/11	Pamela Benson	Yellow / General Electric	Boxed Misc	755700970	Bechtel	Passed inspection.
05/31/11	Pamela Benson	Prospect Steel	Mirror Bases	2279	Bechtel	Passed inspection.
05/31/11	Pamela Benson	Prospect Steel	Steel Beams	Job #2279	Bechtel	Passed inspection.
05/24/11	Pamela Benson	Daily Express	Boom for Crane	13603	Bechtel	Passed inspection.

06/02/11	Thomas Koning	conoco stidham trucking	rebar	P1418	Ivanpah	Passed inspection.
06/02/11	Thomas Koning	Klondyke	CAT 311CN water tank	517		Passed inspection.
06/02/11	Mike Thomas	barnum transport/element	Anker bolts			Passed inspection.
06/02/11	Thomas Koning	Bechtel - LEM Trucking	Wood	Truck 77	Ivanpah	Passed inspection.
06/02/11	Thomas Koning	Bechtel Hoppers Trucking	Pipe	truck 06	Ivanpah	Passed inspection.
06/02/11	Thomas Koning	Bechtel Destination trucking	pipe	21	Ivanpah	Passed inspection.
06/02/11	Mike Thomas	NTS	pipes			Passed inspection.
06/02/11	Mike Thomas	CalTex	pipes, container, Misc.			Passed inspection.
06/02/11	Thomas Koning	Bechtel Landstar trucking	container	Truck #11673	Ivanpah	Passed inspection.
06/02/11	Thomas Koning	brightsource ceaea trucking	trailers	VPG 1213	Ivanpah	Passed inspection.
06/02/11	Thomas Koning	BrightSource	Kubota	Truck 3	Ivanpah	did not pass
06/06/11	Pamela Benson	San Benito Transport	rebar		conco	Passed inspection.
06/06/11	Pamela Benson	Combined trans/walter rayto	crane section	6992	Bechtel	Passed inspection.
06/06/11	Pamela Benson	Mason trucking/bulter elec	elec conduit	184178	bechtel	Passed inspection.
06/06/11	Pamela Benson	Cashman equipment	735 rock truck	...06-2033	bechtel	Passed inspection.
06/06/11	Pamela Benson	Prospect Steel	tower column	2279	bechtel	Passed inspection.
06/06/11	Pamela Benson	3MC Trucking	tower column	2279	bechtel	Passed inspection.
06/06/11	Pamela Benson	Ctrans/G&G trucking	solar panel & legal misc	559458	bechtel	Passed inspection.
06/06/11	Pamela Benson	Combined trans/walter rayto	crawler	466139 #2	bechtel	Passed inspection.
06/06/11	Pamela Benson	Combined trans/walter rayto	crane upper works	445128	bechtel	Passed inspection.
06/06/11	Pamela Benson		tower column	load # 41 2279	bechtel	Passed inspection.
06/06/11	Pamela Benson	Prospect Steel	load 18 Tower (steel)	2279	Bechtel	Passed inspection.
06/06/11	Pamela Benson	riley wesco	couplings & misc 2- pallets	470502	bechtel	Passed inspection.
06/07/11	Pamela Benson	Cerna Transport	4 blue racks	660117 Invoice	BrightSource	Passed inspection.
06/07/11	Pamela Benson	Castro Trucking	2 blue racks	660118 invoice	BrightSource	Passed inspection.
06/07/11	Pamela Benson	ISEG Facility/Guardian Trucki	First Load of mirrors & cases	24179666 Ship #	BrightSource	Passed inspection.
06/07/11	Pamela Benson	Roader Trucking/Schenker	Container full items drop off	377734 Load #	BrightSource	Passed inspection.
06/07/11	Pamela Benson	Road Ex/Schenker	Container Full	377735 Load #	BrightSource	Passed inspection.
06/07/11	Pamela Benson	ISCO Ind. /Hoppers Hauling	Pipe spools	12404774	Bechtel	Passed inspection.
06/07/11	Pamela Benson	Wenty's truck/team industrie	42 pipe spools	Veh #211	Bechtel	Passed inspection.
06/07/11	Pamela Benson	Payton	Crane section 2 piece	888-1262	Bechtel	Passed inspection.
06/07/11	Pamela Benson	Bennett Express	Tool equipment boxes (brow	13670	Bechtel	Passed inspection.
06/08/11	Rex Malabo	Sunstate/Slemental Energy	Tractor/Crane	10054		Passed inspection.
06/08/11	Thomas Koning	GCL Trucking	Pylon & CAP		Ivanpah	Passed inspection.
06/09/11	Thomas Koning	BrightSource Galko Trucking	Container	C62	Ivanpah	Passed inspection.
06/09/11	Thomas Koning	BrightSource Galko Trucking	Container	20	Ivanpah	Passed inspection.
06/09/11	Mike Thomas	Cerna Transport	Heavy Equipment			Passed inspection.
06/09/11	Mike Thomas	Cerna Transport	Heavy Equipment			Passed inspection.
06/09/11	Thomas Koning	Landstar trucking	Pipe Cap	546319	Ivanpah	Passed inspection.
06/09/11	Thomas Koning	Landstar trucking	steel	536947	Ivanpah	Passed inspection.
06/09/11	Thomas Koning	Bennet trucking	Crane	207974	Ivanpah	Passed inspection.
06/12/11		Fine trucking/triflow	6 pallet	141788	Bechtel	Passed inspection.
06/12/11	Pamela Benson	Butler	Light poles		Bechtel	Passed inspection.
06/13/11	Pamela Benson	Stidham/Conco	Rebar	2536	Bechtel	Passed inspection.
06/13/11	Pamela Benson	Cerna Transport/Coalinga	2 trailer/haulers	747066 Invoice #	BrightSource	Passed inspection.
06/13/11	Pamela Benson	Castro Trucking	2 trailers misc on 1 trailer	747067 Invoice#	BrightSource	Passed inspection.

06/13/11	Thomas Koning	Bechtel	Pipe	123	Ivanpah	Passed inspection.
06/13/11	Thomas Koning	Safe trucking	Pipe	1960	Ivanpah	Passed inspection.
06/13/11	Pamela Benson	Prospect Steel	Steel	2279	Bechtel	Passed inspection.
06/13/11	Pamela Benson	Fluid Kinetics/Mercer truckin	Silencers	1812	Bechtel	Passed inspection.
06/13/11	Pamela Benson	Prospect Steel	Steel	Load #32 2279	Bechtel	Passed inspection.
06/13/11	Pamela Benson	Prospect Steel	Steel	2279 load #79	bechtel	Passed inspection.
06/13/11	Pamela Benson	Prospect Steel	Steel	2279 load #81	Bechtel	Passed inspection.
06/13/11	Pamela Benson	Prospect Steel	Steel	2279 load 82	bechtel	Passed inspection.
06/13/11	Pamela Benson	Prospect Steel	Bolts & Nuts	45005	Bechtel	Passed inspection.
06/13/11	Pamela Benson	Kevin Zitting Transport	Mics Crane parts	25316-230	Bechtel	Passed inspection.
06/13/11	Pamela Benson	Sourcing Solutions	Crane Mats w/ exposed bolt	2110-2	Bechtel	Passed inspection.
06/13/11	Pamela Benson	Sourcing Solutions	DF Crane mats w/ exposed b	2110-1	Bechtel	Passed inspection.
06/13/11	Pamela Benson	Prospect Steel	Steel structural	2279 load 65	Bechtel	Passed inspection.
06/13/11	Pamela Benson	Prospect Steel	Steel	2279 load 30	Bechtel	Passed inspection.
06/13/11	Pamela Benson	Payton	Crane parts	394477	Bechtel	Passed inspection.
06/13/11	Pamela Benson	payton	Crane parts	8881242	Bechtel	Passed inspection.
06/13/11	Pamela Benson	A&N/Sierra Metal	Racks, nuts & bolts	446626 Inv#/446627	Bechtel	Passed inspection.
06/13/11	Pamela Benson	Mercer	Crane Parts	25316-230	Bechtel	Passed inspection.
06/13/11	Pamela Benson	ATS	Crane	25316-230	Bechtel	Passed inspection.
06/13/11	Pamela Benson	Payton	Crane parts	8881248	Bechtel	Passed inspection.
06/13/11	Thomas Koning	ATS Trucking	Pipe	32078	Ivanpah	Passed inspection.
06/13/11	Thomas Koning	ATS Trucking	Crane	19963	Ivanpah	Passed inspection.
06/13/11	Thomas Koning	Bennett Trucking	Crane	206469	Ivanpah	Passed inspection.
06/13/11	Thomas Koning	ATS Trucking	Steel	82115	Ivanpah	Passed inspection.
06/13/11	Pamela Benson	Oakley Trucking/Prospect Ste	Steel column brace	2279 Load #75	Bechtel	Passed inspection.
06/13/11	Pamela Benson	Prospect Steel	Bolts & Nuts	45006	Bechtel	Passed inspection.
06/14/11	Pamela Benson	Schenker	Heliostat assembly	84794	BrightSource	Passed inspection.
06/14/11	Thomas Koning	BrightSource	Steel box	875	Ivanpah	Passed inspection.
06/14/11	Pamela Benson	Arme Trains/Eotork Contors	Valve Parts	RR1638/#50870	Bechtel	Passed inspection.
06/14/11	Pamela Benson	Prospect Steel	Steel	2279 / Load #51	Bechtel	Passed inspection.
06/14/11	Pamela Benson	Prospect Steel	Steel	2279 / #54	Bechtel	Passed inspection.
06/14/11	Pamela Benson	Prospect Steel	Misc pipe handrails etc.	2279 / #87	Bechtel	Passed inspection.
06/14/11	Thomas Koning	ATS Trucking	Crane	8221	Bechtel	Passed inspection.
06/14/11	Thomas Koning	Landstar trucking	Pipe	525408	Bechtel	Passed inspection.
06/14/11	Thomas Koning	M.B.J Trucking	Pipe	105	Ivanpah	Passed inspection.
06/14/11	Pamela Benson	G&G Trucking	Elevators (2 scrash/panels el	4464 Bill#	Bechtel	Passed inspection.
06/14/11	Pamela Benson	Prospect Steel	Steel	Load #52	Bechtel	Passed inspection.
06/14/11	Pamela Benson	Prospect Steel	Gav planks	917062	Bechtel	Passed inspection.
06/15/11	Thomas Koning	J.G trucking	Steel box container	37	Ivanpah	Passed inspection.
06/15/11	Thomas Koning	BrightSource	Container	48	Ivanpah	Passed inspection.
06/15/11	Thomas Koning	BrightSource	Container	A75	ivanpah	Passed inspection.
06/15/11	Thomas Koning	Bechtel Donlong trucking	CHT Crane	72476	Ivanpah	Passed inspection.
06/15/11	Thomas Koning	S.G.S Trucking	Steel	231	Ivanpah	Passed inspection.
06/15/11	Thomas Koning	Bechtel	CAT	47481	Ivanpah	Passed inspection.
06/15/11	Thomas Koning	Bechtel Landstar trucking	Steel pipe	535713	Ivanpah	Passed inspection.
06/15/11	Thomas Koning	Bechtel Mercer Trucking	Steel	5679	Ivanpah	Passed inspection.

06/15/11	Thomas Koning	Bechtel CAT Trucking	CAT Parts	86472	Ivanpah	Passed inspection.
06/16/11	Thomas Koning	Dielco Crane Services	Crane parts/test weights		Ivanpah	Passed inspection.
06/16/11	Thomas Koning	Bechtel Mercer Trucking	Crane	2999	Ivanpah	Passed inspection.
06/16/11	Thomas Koning	Bechtel Daily Trucking	Crane	569632	Ivanpah	Passed inspection.
06/16/11	Thomas Koning	Bechtel Landstar trucking	Container	408559	Ivanpah	Passed inspection.
06/16/11	Thomas Koning	Bechtel Landstar trucking	Generator	552198		Passed inspection.
06/16/11	Thomas Koning	Bechtel Daily Trucking	Crane	556639	Ivanpah	Passed inspection.
06/17/11	Thomas Koning	Safe trucking	Pipe	116	Ivanpah	Passed inspection.
06/19/11	T Hartlage	Cat	Drill rig parts	657	Ivanpah	Passed inspection.
06/20/11	Pamela Benson	Atlantic Island	Container	Seal# 561956	BrightSource	Passed inspection.
06/20/11		Bechtel ATC Trucking	Nuts & Bolts	154	Ivanpah	Passed inspection.
06/20/11	Thomas Koning	Bechtel Pinero Trucking	Wood	1	Ivanpah	Passed inspection.
06/20/11	Thomas Koning	Bechtel Allson trucking	pipe	6	Ivanpah	Passed inspection.
06/20/11	Thomas Koning	SOS Trucking	Pipe	31-Jul	Ivanpah	Passed inspection.
06/20/11	Pamela Benson	H G&E	Man lift		Bechtel	Passed inspection.
06/20/11	Pamela Benson	Jaytec LLC, ATS Specified	not legible		Bechtel	Passed inspection.
06/20/11	Pamela Benson	Prospect Steel	Steel grates	MBOL-40566	Bechtel	Passed inspection.
06/20/11	Pamela Benson	Ctrans/SMB logistics	Hoist parts	OTR0021418/004	Bechtel	Passed inspection.
06/20/11	Pamela Benson	Prospect Steel	Steel 14	2279/Load 98	Bechtel	Passed inspection.
06/20/11	Pamela Benson	APCO Equipment	Valve Parts		Bechtel	Kurt unloaded out front small pallet
06/20/11	Pamela Benson	Olson Precast Co.	Solar Bases	41601	Bechtel	Passed inspection.
06/20/11	Thomas Koning	Bechtel Landstar trucking	Container	530735	Ivanpah	Passed inspection.
06/20/11	Thomas Koning	Bechtel ATC Trucking	Pipe	72424	Ivanpah	Passed inspection.
06/20/11	Pamela Benson	Team Ind./Westly's truck	pipe spools 72	VEH 501	Bechtel	Passed inspection.
06/20/11	Pamela Benson	Prospect Steel	steel	2279 load 114	Bechtel	Passed inspection.
06/20/11	Pamela Benson	Norman lumber co/combined	11 bundle 4x4x8 hardwood	89287	Bechtel	Passed inspection.
06/20/11	Pamela Benson	Western Lumber	11 blm 4x4x8 hardwood	89288	Bechtel	Passed inspection.
06/20/11	Pamela Benson	Pacific Western LBR	300 7x9 hardwood	PO 89319	Bechtel	Passed inspection.
06/21/11	Thomas Koning	Elemental Energy	Rebar	50	Ivanpah	Passed inspection.
06/21/11	Thomas Koning	J&G Trucking	Container	37	Ivanpah	Passed inspection.
06/21/11	Thomas Koning	Atlantic Trucking	Container	W080	Ivanpah	Passed inspection.
06/21/11	Pamela Benson	Schenker	Container/Mirror	Load #380006	BrightSource	Passed inspection.
06/21/11	Pamela Benson	ISEGS Facility	Mirrors	24180432	BrightSource	Passed inspection.
06/21/11	Thomas Koning	3MC Trucking	Steel	9910	Ivanpah	Passed inspection.
06/21/11	Thomas Koning	KMT Trucking	Steel	9019	Ivanpah	Did no pass.
06/21/11	Pamela Benson	Jaytec LLC, ATS Specified	Pylons	322893096	Bechtel	Passed inspection.
06/21/11	Pamela Benson	SMB Logistics/Ctrans	Metal	OTR0021418/003	Bechtel	Passed inspection.
06/21/11	Pamela Benson	Stork	Dereators	load #167477	Bechtel	Passed inspection.
06/21/11	Thomas Koning	Bechtel Landstar trucking	Pipe	549973	Ivanpah	Passed inspection.
06/22/11	Thomas Koning	M.S.S. Trucking	Pipe	325310	Ivanpah	Passed inspection.
06/22/11	Pamela Benson	Prospect Steel	Steel	Load # 116/2279	Bechtel	Passed inspection.
06/22/11	Thomas Koning	Klondyke	Roelco SK210	1216897	Ivanpah	Passed inspection.
06/22/11	Thomas Koning	Klondyke	5440 Deere	981014	Ivanpah	Passed inspection.
06/22/11		CO	Rebar	K164	Ivanpah	Passed inspection.
06/22/11	Thomas Koning	J.F. Lomma Trucking	Mirrors	2314	Ivanpah	Passed inspection.
06/22/11	Thomas Koning	BrightSource	Container	W080	Ivanpah	Passed inspection.

06/22/11	Thomas Koning	BrightSource	CON	37	Ivanpah	Passed inspection.
06/22/11	Mike Thomas	Hoppers Hauling	Water piping			Passed inspection.
06/22/11	Mike Thomas	Matthews Trans	Crane	533636		Passed inspection.
06/23/11	Thomas Koning	Johnson trucking	Steel	5253		Passed inspection.
06/23/11	Thomas Koning	M.C Carty Trucking	Steel	RT 26	Ivanpah	Passed inspection.
06/23/11	Mike Thomas	Gotchal trucking	Steel beams			Passed inspection.
06/23/11	Mike Thomas	Landscape	Pylons			Passed inspection.
06/23/11	Mike Thomas	OST Trucking	Freight			Passed inspection.
06/23/11	Thomas Koning	Pan Western Trucking	steel pipe	1050	Ivanpah	Passed inspection.
06/23/11	Mike Thomas	ATS	Pylons			Passed inspection.
06/23/11	Harry Barnett	FedEx	3 pallets hardawar			Passed inspection.
06/24/11	Thomas Koning	Elemental SSI Trucking	Poles	22	Ivanpah	Passed inspection.
06/27/11	Pamela Benson	Prospect Steel	Steel	2279 Load 148	Bechtel	Passed inspection.
06/27/11	Pamela Benson	BMC	Steel cross beams		Pacific Rim	Passed inspection.
06/27/11	Thomas Koning	Bechtel ATC Trucking	Steel pipe	11064	Ivanpah	Passed inspection.
06/27/11	Thomas Koning	Bechtel Hoppers Trucking	Pipe	99	Ivanpah	Passed inspection.
06/27/11	Thomas Koning	Bechtel Unique trucking	pipe	7	Ivanpah	Passed inspection.
06/27/11	Pamela Benson	Prospect Steel	steel	Load #164 / 2279	Bechtel	Passed inspection.
06/27/11	Pamela Benson	Prospect Steel	Steel	Load #168 / 2279	Bechtel	Passed inspection.
06/27/11	Thomas Koning	Bechtel Hoppers Trucking	pipe	97	Ivanpah	Passed inspection.
06/27/11		Bechtel ATS trucking	pipe	11074	Ivanpah	Passed inspection.
06/27/11		kovac trucking	pipe	100	Ivanpah	
06/27/11	Thomas Koning	J.A. Trucking	Steel	7	Ivanpah	Passed inspection.
06/27/11	Thomas Koning	ATS trucking	Pipe pylons	19840	Ivanpah	Passed inspection.
06/27/11	Pamela Benson	Prospect Steel	steel	load 155 / 2274	bechtel	Passed inspection.
06/28/11	Thomas Koning	Van trucking	Steel rack	33	Ivanpah	Passed inspection.
06/28/11	Thomas Koning	Hoppers Trucking	pipe	99	Ivanpah	
06/28/11	Pamela Benson	Prospect Steel	Steel	load # 170/2270	Bechtel	Passed inspection.
06/28/11	Thomas Koning	3MC Trucking	Steel	2008	Ivanpah	Passed inspection.
06/28/11	Thomas Koning	Novak trucking	pipe	110	Ivanpah	Passed inspection.
06/28/11	Thomas Koning	Landstar trucking	pylon	552005	Ivanpah	Passed inspection.
06/28/11	Thomas Koning	Hopper's trucking	pipe	96	Ivanpah	Did not pass. Oil leak.
06/28/11	Thomas Koning	galvan trucking	Steel	111	Ivanpah	Passed inspection.
06/28/11	Thomas Koning	Conco First Trucking	Rebar	69	Ivanpah	Passed inspection.
06/28/11	Thomas Koning	BrightSource	Mirror	198	Ivanpah	Passed inspection.
06/29/11	T Hartlage	Hopper's hauling	pipes	99	Ivanpah	Passed inspection.
06/29/11	T Hartlage	Prospect Steel	Steel beams	9910	Ivanpah	Passed inspection.
06/29/11	Tabitha Hartlage	Conco First Trucking	Rebar	76	Ivanpah	Passed inspection.
06/30/11	Tabitha Hartlage	Stidham	Rebar	P1475	Ivanpah	Passed inspection.
06/30/11	Thomas Koning	Conco E.W. Keel trucking	Rebar	725	Ivanpah	Passed inspection.
06/30/11	Tabitha Hartlage	Trans America/Bechtel	Poles for mirrors	109	Ivanpah	Passed inspection.
06/30/11	Tabitha Hartlage	Tellez & Son Contel	Metal pipes	1	Ivanpah	Passed inspection.
06/30/11	Tabitha Hartlage	Fox trans / bechtel	Shoulder pannels (container	CT68	Ivanpah	Passed inspection.
06/30/11	Tabitha Hartlage	Fox trans / bechtel	container	CT71	Ivanpah	Passed inspection.
06/30/11	Tabitha Hartlage	Thunder horse / bechtel	steel (support) beams	1	Ivanpah	Passed inspection.

Exhibit 5

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

June 2011 Drainage, Erosion, and Sediment Control Summary

Best Management Practices Implemented

Silt fences are located on the down slope side of Common East and spaced out in Common West. Alternate BMP's will be implemented on an as needed basis.

Inspections

Inspections are made once per week, prior to a 50% or greater chance of rain, and after a qualifying rain event. Please see the attached inspection reports Regular weekly inspections were performed on the silt and tortoise fencing by biological staff. Please see the attached June 2011 Ivanpah SEGS Biological Fence Inspection Summary. Repairs of fencing are made by contractor staff and reported to the Site Environmental Compliance Manager.

Conclusion

During this reporting period, everything was found to be in compliance with the Drainage, Erosion, and Sediment Control Plan and Storm Water Pollution Prevention Plan. There were no qualifying rain events during the month of June 2011.

Ivanpah SEGS June 2011 Biological Fence Inspection Summary

From: Bruce Weise <bruce@sercaz.com>
To: Doug Davis
Sent: Mon Jul 11 21:25:04 2011
Subject: June fence report

Doug,

Here is a brief summary of fence related issues in June at the ISEGS site. There was nothing significant to report.

Fence Report – ISEGS
June 1 – June 30th, 2011

June 2011 saw no major weather events on the ISEGS project site. With the exception of one small mammal dig in Ivanpah 1, no recorded breeches in the perimeter fence/tortoise fence were noted. All fences maintained their integrity.
As a result of heavy traffic and construction, one tortoise guard had to be excavated to maintain its viability. Only a few inches of dirt were removed from the bottom of it. The tortoise guard is the first to be crossed when entering the site near the southwest corner of the Primm Valley golf course on Colloseum Rd. No fencing issues were reported for the Common Areas or Colloseum Rd.

New fencing was added around power block 2 and to power block 3 including fence to enclose its access road. Both fences went out to the second ring road with the exception of one area in the southeast corner of power block 3. Because of the presence of a bird nest, the new tortoise fence went to the inside of the second ring road to keep the appropriate buffer around the nest.

The minor mammal dig in Ivanpah 1 was a small mammal dig alongside the tortoise guard under the gate in the northeast corner. It was found on June 25th by Gene Drollinger at 6am in the morning. It created a small, but possible location for a tortoise to move through the fence. The fence had been checked the previous evening and no dig was detected. Though it was unlikely a tortoise would have moved through the hole in the time allowed we conducted a brief survey of the immediate area to 150 meters out at 10m intervals. No tortoises or tortoise sign were found.

All fences continue to be checked daily. This includes walking and driving fences to ensure coverage of the entire site. New fences are monitored more frequently to prevent pacing and overly stressed tortoises from risk. These areas include the new fencing around powerblocks 2 and 3 and the new fencing on the north side of Ivanpah 3.

Exhibit 6

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

Condition of Certification BIO-6, CUL-5, PAL-4
June 2011 Worker Environmental Awareness Program Summary

There were 5 employee training classes offered during the month of June 2011. The total number of workers trained under the Ivanpah SEGS Worker Environmental Awareness Program (WEAP) as of the end of June was 1420. All of these individuals and the companies they work for are listed in the attached WEAP Training Log. Workers were also provided a tortoise reminder card to hang from their rear view mirrors reminding them to look for tortoise underneath their vehicles prior to movement of vehicles or project equipment. A project contact card with the phone numbers of the Ivanpah Designated Biologist, Cultural Resource Specialist, and Paleontological Resource Specialist was also provided to all trainees. All 1420 workers have signed the WEAP Training Acknowledgement Form and were provided a tortoise sticker to affix to their hard hat to indicate their completion of training. The WEAP Training Acknowledgement Forms for the month of June are attached.

Ivanpah SEGS WEAP Training Log

Last Name	First Name	Company	Date of WEAP Training	Sticker	Training Renewal Date
Fine	Fred	Bechtel Corp	9/20/2010	yes	9/20/2011
Kindell	Chris	BrightSource Energy	9/20/2010	yes	9/20/2011
Davis	Doug	BrightSource Energy	9/20/2010	yes	9/20/2011
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	9/20/2011
Espitia	Evert	Crown Fence	9/20/2010	yes	9/20/2011
Hayes	Jeff	Crown Fence	9/20/2010	yes	9/20/2011
Hereda	Jose	Crown Fence	9/20/2010	yes	9/20/2011
Vargas	Jose	Crown Fence	9/20/2010	yes	9/20/2011
Blankemeyer	Kyle	Crown Fence	9/20/2010	yes	9/20/2011
Lopez Fragoso	Margarito	Crown Fence	9/20/2010	yes	9/20/2011
Rodriguez	Petronilo	Crown Fence	9/20/2010	yes	9/20/2011
Blankemeyer	Tony	Crown Fence	9/20/2010	yes	9/20/2011
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	9/20/2011
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	9/20/2011
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	9/30/2011
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	9/30/2011
Windh	Jason	Crown Fence	9/30/2010	yes	9/30/2011
Jiminez	Michael	Crown Fence	9/30/2010	yes	9/30/2011
Durham	Nolan	Crown Fence	9/30/2010	yes	9/30/2011
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	9/30/2011
Briones	Rod	SoCal Laborers Apprenticeship	9/30/2010	yes	9/30/2011
Kung	Mike	Teamsters 166	9/30/2010	yes	9/30/2011

Ivanpah SEGS WEAP Training Log

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
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	Union Local 783	9/30/2010	yes	9/30/2011
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	Union Local 783	9/30/2010	yes	9/30/2011
Hardy	Harmon	Union Local 783	9/30/2010	yes	9/30/2011
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	9/30/2011
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	9/30/2011
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	9/30/2011
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	10/1/2011

Ivanpah SEGS WEAP Training Log

Hoskins	Chris	Crown Fence	10/1/2010	yes	10/1/2011
Wilkins	Clarence	Crown Fence	10/1/2010	yes	10/1/2011
Gates	Dalene	Crown Fence	10/1/2010	yes	10/1/2011
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	10/1/2011
Molina	Luis	Crown Fence	10/1/2010	yes	10/1/2011
Williams	Mike	Crown Fence	10/1/2010	yes	10/1/2011
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
Ivany	Jim	Bechtel Corp	10/6/2010	yes	10/6/2011
Lauer	Kenneth	Bechtel Corp	10/6/2010	yes	10/6/2011
Wagner	Mark	Bechtel Corp	10/6/2010	yes	10/6/2011
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	10/6/2011
Hipson	Steve	Bechtel Corp	10/6/2010	yes	10/6/2011
Copeland	Terry	Bechtel Corp	10/6/2010	yes	10/6/2011
Frankert	Tom	Bechtel Corp	10/6/2010	yes	10/6/2011
Horniak	Tom	Bechtel Corp	10/6/2010	yes	10/6/2011
Cudmore	Walt	Bechtel Corp	10/6/2010	yes	10/6/2011
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	10/6/2011
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
Boyer	Bruce	Bureau Veritas	10/6/2010	yes	10/6/2011
Rosso	John	Bureau Veritas	10/6/2010	yes	10/6/2011
Werfal	John	Bureau Veritas	10/6/2010	yes	10/6/2011
Tobin	Mark	Bureau Veritas	10/6/2010	yes	10/6/2011
Vosler	Terry	Bureau Veritas	10/6/2010	yes	10/6/2011
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

Ivanpah SEGS WEAP Training Log

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	10/6/2011
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
Drollinger	Gene	Knight and Leavitt	10/6/2010	yes	10/6/2011
Stevens	Melinda	Knight and Leavitt	10/6/2010	yes	10/6/2011
Shaffer	Brandon	Las Vegas Paving	10/6/2010	yes	10/6/2011
Peressini	Dan	Las Vegas Paving	10/6/2010	yes	10/6/2011
Phillips	Jeff	Las Vegas Paving	10/6/2010	yes	10/6/2011
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	10/6/2011
Regan	Sean	Las Vegas Paving	10/6/2010	yes	10/6/2011
Carter	Tex	Las Vegas Paving	10/6/2010	yes	10/6/2011
Hildreth	Troy	Las Vegas Paving	10/6/2010	yes	10/6/2011
Speakman	William	Las Vegas Paving	10/6/2010	yes	10/6/2011
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	10/6/2011
Calderon	Ruben	Native Resources	10/6/2010	yes	10/6/2011
Luna	Ruben	Native Resources	10/6/2010	yes	10/6/2011
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	10/6/2011
Young	Ryan	Phoenix Ecological	10/6/2010	yes	10/6/2011
Jackson	Thomas	Phoenix Ecological	10/6/2010	yes	10/6/2011
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

Ivanpah SEGS WEAP Training Log

Depremesnil	Alain	Sundance Biology	10/6/2010	yes	10/6/2011
Scheib	Amanda	Sundance Biology	10/6/2010	yes	10/6/2011
Spenceley	Ashley	Sundance Biology	10/6/2010	yes	10/6/2011
Blossen	Bret	Sundance Biology	10/6/2010	yes	10/6/2011
Llewellyn	Chandra	Sundance Biology	10/6/2010	yes	10/6/2011
Stirling	Christine	Sundance Biology	10/6/2010	yes	10/6/2011
McClurg	Colden	Sundance Biology	10/6/2010	yes	10/6/2011
Himmelweight	Craig	Sundance Biology	10/6/2010	yes	10/6/2011
Zylstra	Erin	Sundance Biology	10/6/2010	yes	10/6/2011
Keyes Jr.	George	Sundance Biology	10/6/2010	yes	10/6/2011
Smith	Jacquelyn	Sundance Biology	10/6/2010	yes	10/6/2011
Meyers	Jay	Sundance Biology	10/6/2010	yes	10/6/2011
Valentine	Jeff	Sundance Biology	10/6/2010	yes	10/6/2011
Reilly	Jessica	Sundance Biology	10/6/2010	yes	10/6/2011
Pavliscak	Laura	Sundance Biology	10/6/2010	yes	10/6/2011
Backus	Leslie	Sundance Biology	10/6/2010	yes	10/6/2011
Rose	Lori	Sundance Biology	10/6/2010	yes	10/6/2011
Havellea	Max	Sundance Biology	10/6/2010	yes	10/6/2011
Vaughn	Mercy	Sundance Biology	10/6/2010	yes	10/6/2011
Traphagen	Myles	Sundance Biology	10/6/2010	yes	10/6/2011
Wiley	Nancy	Sundance Biology	10/6/2010	yes	10/6/2011
Jones	Nate	Sundance Biology	10/6/2010	yes	10/6/2011
Stephens	Nicole	Sundance Biology	10/6/2010	yes	10/6/2011
Crawford	Richard	Sundance Biology	10/6/2010	yes	10/6/2011
Bartels	Tom	Sundance Biology	10/6/2010	yes	10/6/2011
Scott	Tracy	Sundance Biology	10/6/2010	yes	10/6/2011
Ball	Wayne	Sundance Biology	10/6/2010	yes	10/6/2011
Cancellieri	Bob	Sunstate Equipment	10/6/2010	yes	10/6/2011
Gironard	Brian	Trimble Navigation	10/6/2010	yes	10/6/2011
Podlorski	Chris	Trimble Navigation	10/6/2010	yes	10/6/2011
George	Dave	Trimble Navigation	10/6/2010	yes	10/6/2011
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	10/7/2011
Rojansky	Michael	BrightSource II	10/8/2010	yes	10/8/2011
Palkow	Lorie	Bechtel Corp	10/11/2010	yes	10/11/2011
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	10/11/2011
Baca	Gilbert	Bureau Veritas	10/11/2010	yes	10/11/2011
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

Ivanpah SEGS WEAP Training Log

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	10/11/2011
Varra	Antonio	Las Vegas Paving	10/11/2010	yes	10/11/2011
Porizek	Brett	Las Vegas Paving	10/11/2010	yes	10/11/2011
Molitor	Kirk	Las Vegas Paving	10/11/2010	yes	10/11/2011
Zafra	Marvin	Las Vegas Paving	10/11/2010	yes	10/11/2011
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	10/11/2011
Prival	David	Sundance Biology	10/11/2010	yes	10/11/2011
Daly	Imogen	Sundance Biology	10/11/2010	yes	10/11/2011
Borgmeyer	James	Sundance Biology	10/11/2010	yes	10/11/2011
Brouwer	Jennifer	Sundance Biology	10/11/2010	yes	10/11/2011
Barratt	Jonathan	Sundance Biology	10/11/2010	yes	10/11/2011
Mjos	Leif	Sundance Biology	10/11/2010	yes	10/11/2011
Brouwer	Mark	Sundance Biology	10/11/2010	yes	10/11/2011
Bassett	Mike	Sundance Biology	10/11/2010	yes	10/11/2011
Frank	Paul	Sundance Biology	10/11/2010	yes	10/11/2011
Fuchs	Paul	Sundance Biology	10/11/2010	yes	10/11/2011
Middleton	Wendy	Sundance Biology	10/11/2010	yes	10/11/2011
Kruger	Mark	Addison Equipment	10/18/2010	yes	10/18/2011
Nolan	Joan	Bechtel Corp	10/18/2010	yes	10/18/2011
Steinem	John	Bechtel Corp	10/18/2010	yes	10/18/2011
Hughes	Robert	Bechtel Corp	10/18/2010	yes	10/18/2011
Wilson	Travis	Bechtel Corp	10/18/2010	yes	10/18/2011
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
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
Dahle	Chuck	Las Vegas Paving	10/18/2010	yes	10/18/2011
Jones	Jeremy	Las Vegas Paving	10/18/2010	yes	10/18/2011
O'Brien	Brenden	Sundance Biology	10/18/2010	yes	10/18/2011

Ivanpah SEGS WEAP Training Log

Buffington	Jim	Sundance Biology	10/18/2010	yes	10/18/2011
Foley	Kristine	Sundance Biology	10/18/2010	yes	10/18/2011
Wiley	Bob	Teamsters 166	10/18/2010	yes	10/18/2011
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	10/21/2011
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	10/21/2011
Holmes	Ken	Sundance Biology	10/21/2010	yes	10/21/2011
Holbek	Suren	Sundance Biology	10/21/2010	yes	10/21/2011
Cassidy	John	Bechtel Corp	10/25/2010	yes	10/25/2011
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	10/25/2011
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	10/25/2011
McGuire	Raphael	Kiva Biological	10/25/2010	yes	10/25/2011
Jackson	Rosemary	Kiva Biological	10/25/2010	yes	10/25/2011
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	10/25/2011
Hockin	Tim	Kiva Biological	10/25/2010	yes	10/25/2011
Rasmussen	Tony	Kiva Biological	10/25/2010	yes	10/25/2011
Ose	Trevor	Kiva Biological	10/25/2010	yes	10/25/2011
Llamas	Joe	Las Vegas Paving	10/25/2010	yes	10/25/2011
Stewart	John	Las Vegas Paving	10/25/2010	yes	10/25/2011
Murphy	Joshua	Las Vegas Paving	10/25/2010	yes	10/25/2011
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

Ivanpah SEGS WEAP Training Log

Mohlmann	Jake	Sundance Biology	10/25/2010	yes	10/25/2011
Hillman	John	Sundance Biology	10/25/2010	yes	10/25/2011
Livingston	Patrick	Sundance Biology	10/25/2010	yes	10/25/2011
Taylor	Tracy	Sundance Biology	10/25/2010	yes	10/25/2011
Copeland	Ian	Bechtel Corp	10/26/2010	yes	10/26/2011
Bird	Matt	Bechtel Corp	10/26/2010	yes	10/26/2011
Nairn	Rowan	Bechtel Corp	10/26/2010	yes	10/26/2011
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	10/26/2011
Brown	Perry	IBEW 477	10/26/2010	yes	10/26/2011
Villareal	Gabriel	Ironworkers 433	10/26/2010	yes	10/26/2011
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	10/26/2011
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	10/26/2011
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	10/26/2011
Manger	Art	Teamsters 166	10/26/2010	yes	10/26/2011
Reed	Carly	Teamsters 166	10/26/2010	yes	10/26/2011
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	11/1/2011
Daniel	Gregory	Bechtel Corp	11/1/2010	yes	11/1/2011
Arnold	Jennifer	Bechtel Corp	11/1/2010	yes	11/1/2011
Breedlove	Ron	Bechtel Corp	11/1/2010	yes	11/1/2011
Wagmmode	Shriram	Bechtel Corp	11/1/2010	yes	11/1/2011
Cardenas	Gloriella	CH2MHill	11/1/2010	yes	11/1/2011
Duarte	Vincent	Crown Fence	11/1/2010	yes	11/1/2011
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

Ivanpah SEGS WEAP Training Log

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	11/8/2011
Phagoo	Kris	Bechtel Corp	11/8/2010	yes	11/8/2011
Bobinecz	Michael	BrightSource Energy	11/8/2010	yes	11/8/2011
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	11/8/2011
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	11/15/2011
Witt	Jessica	Bechtel Corp	11/15/2010	yes	11/15/2011
Coleman	Mark	Bechtel Corp	11/15/2010	yes	11/15/2011
Boone	Morris	Bechtel Corp	11/15/2010	yes	11/15/2011
Dynbar	Troy	Bechtel Corp	11/15/2010	yes	11/15/2011
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	11/15/2011
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	11/15/2011
Shelley	Mike	Bechtel Corp	11/22/2010	yes	11/22/2011
Turnnsey	Thomas	Bureau Veritas	11/22/2010	yes	11/22/2011
Weddle	Justin	Las Vegas Paving	11/22/2010	yes	11/22/2011
Canning	Shawn	Las Vegas Paving	11/22/2010	yes	11/22/2011
Perez	Alfonso, Jr.	Layne Christensen	11/22/2010	yes	11/22/2011

Ivanpah SEGS WEAP Training Log

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	11/29/2011
Fong	Carlos	Las Vegas Paving	11/29/2010	yes	11/29/2011
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
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	12/6/2011
Harris	Iain	Bechtel Corp	12/6/2010	yes	12/6/2011
Wouilse	Jack	Bechtel Corp	12/6/2010	yes	12/6/2011
Gagliamello	Joe	Bechtel Corp	12/6/2010	yes	12/6/2011
McGuire	Megan	Bechtel Corp	12/6/2010	yes	12/6/2011
Larson	Mike	Bechtel Corp	12/6/2010	yes	12/6/2011
Airhart	Ronnie	Bechtel Corp	12/6/2010	yes	12/6/2011
Jahnke	Scott	Bechtel Corp	12/6/2010	yes	12/6/2011
Dan	Amit	BrightSource	12/6/2010	yes	12/6/2011
Huss	Hagai	BrightSource	12/6/2010	yes	12/6/2011
Keyes Jr.	Stephen	BSCM	12/6/2010	yes	12/6/2011
Willams	Timothy	BrightSource	12/6/2010	yes	12/6/2011
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	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

Ivanpah SEGS WEAP Training Log

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	#92	12/10/2010	yes	12/10/2011
Perez	Bill	BCTC	12/10/2010	yes	12/10/2011
Gleason	Jeff	Boudmader 92	12/10/2010	yes	12/10/2011
Hayden	BJ	Carpenters	12/10/2010	yes	12/10/2011
Luna	Rudy Jr.	Cement Mason Local #500	12/10/2010	yes	12/10/2011
Enriquez	Marcos	Cement Mason Local #500	12/10/2010	yes	12/10/2011
McCaslund	Kenny	COD Teamster 166	12/10/2010	yes	12/10/2011
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	12/10/2011
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	12/10/2011
Friel	Duane	IUOE Local 12	12/10/2010	yes	12/10/2011
Lopez	Alex	IUPAT/DC 36	12/10/2010	yes	12/10/2011
Diaz	Victor	Local #5	12/10/2010	yes	12/10/2011
Klsopt	Robert	Local #5	12/10/2010	yes	12/10/2011
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	12/10/2011
Davidson	John	Teamster Apprentice	12/10/2010	yes	12/10/2011
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 699	12/10/2010	yes	12/10/2011
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	12/13/2011
Summerfield	Nathan	Bechtel Corp	12/13/2010	yes	12/13/2011
Collie	Adelbert	Bechtel Corp	12/13/2010	yes	12/13/2011
Smith	Fred	Bechtel Corp	12/13/2010	yes	12/13/2011

Ivanpah SEGS WEAP Training Log

Schaaf	Dumah	Bechtel Corp	12/13/2010	yes	12/13/2011
DelCastillo	Daniel	Bechtel Corp	12/13/2010	yes	12/13/2011
Wilson	Jay	Bechtel Corp	12/13/2010	yes	12/13/2011
Banuelos	Victor	Bechtel Corp	12/13/2010	yes	12/13/2011
Mack	Marcus	Bechtel Corp	12/13/2010	yes	12/13/2011
Ferro	Don	Bechtel Corp	12/13/2010	yes	12/13/2011
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
Greenhageh	Richard	Ironworkers 416	12/13/2010	yes	12/13/2011
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
McCaslund	Kenny	Bechtel Corp	12/20/2010	yes	12/20/2011
Irwin	David	Bechtel Corp	12/20/2010	yes	12/20/2011
Plutten	Kenneth	Bechtel Corp	12/20/2010	yes	12/20/2011
Rolgun	Anthony	Bechtel Corp	12/20/2010	yes	12/20/2011
Francisco	Zavala	Bechtel Corp	12/20/2010	yes	12/20/2011
Kymer	Jesse	Bechtel Corp	12/20/2010	yes	12/20/2011
Scott	Christopher	Bechtel Corp	12/20/2010	yes	12/20/2011
Misenaivez	Gary	Bechtel Corp	12/20/2010	yes	12/20/2011
ElMohanardy	Khaled	Bechtel Corp	12/20/2010	yes	12/20/2011
Araujo	Teresita	Bechtel Corp	12/20/2010	yes	12/20/2011
Partida	Jose	Bechtel Corp	12/20/2010	yes	12/20/2011
Day	Garrett	Bechtel Corp	12/20/2010	yes	12/20/2011
Carter	Daniel	Bechtel Corp	12/20/2010	yes	12/20/2011
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
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	12/20/2011
Hall	Anthony	Las Vegas Paving	12/20/2010	yes	12/20/2011
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	1/3/2012
Lidetenhah	Ray	Bechtel Corp	1/3/2011	yes	1/3/2012
Rodriguez	Felipe	Bechtel Corp	1/3/2011	yes	1/3/2012

Ivanpah SEGS WEAP Training Log

Martinez	David	Bechtel Corp	1/3/2011	yes	1/3/2012
Cosner	Neal	Bechtel Corp	1/3/2011	yes	1/3/2012
Diaz	Juan	Bechtel Corp	1/3/2011	yes	1/3/2012
Rivas	Cesar	Bechtel Corp	1/3/2011	yes	1/3/2012
Sukta	Shayn	Bechtel Corp	1/3/2011	yes	1/3/2012
Villarreal	Jose	Bechtel Corp	1/3/2011	yes	1/3/2012
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	1/3/2012
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	1/10/2012
Salazar	Mark	Bechtel Corp	1/10/2011	Yes	1/10/2012
Flathers	Vickie	Bechtel Corp	1/10/2011	Yes	1/10/2012
Guzman	Alfonso	Bechtel Corp	1/10/2011	Yes	1/10/2012
Morales	Elias	Bechtel Corp	1/10/2011	Yes	1/10/2012
Carrasco	Cesar	Bechtel Corp	1/10/2011	Yes	1/10/2012
Velasco	Facundo	Bechtel Corp	1/10/2011	Yes	1/10/2012
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	1/10/2012
Deuth	John	Bechtel Corp	1/10/2011	Yes	1/10/2012
Phelan	Debbie	Bechtel Corp	1/10/2011	Yes	1/10/2012
Voss	Robert T.	Bechtel Corp	1/10/2011	Yes	1/10/2012
Mejia	Ricardo	Bechtel Corp	1/10/2011	Yes	1/10/2012
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	1/10/2012
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
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

Ivanpah SEGS WEAP Training Log

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	1/18/2012
Johnson	Kim	Bechtel Corp	1/18/2011	yes	1/18/2012
Comstock	Chris	Bechtel Corp	1/18/2011	yes	1/18/2012
Mack	Roxanna	Bechtel Corp	1/18/2011	yes	1/18/2012
Aviles	Cesar	Bechtel Corp	1/18/2011	yes	1/18/2012
Butner	James	Bechtel Corp	1/18/2011	yes	1/18/2012
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
Gilbert	Craig	Bechtel Corp	1/18/2011	yes	1/18/2012
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	1/18/2012
Casey	Joseph	Bechtel Corp	1/18/2011	yes	1/18/2012
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	1/18/2012
Chandler	Barry	Las Vegas Paving	1/18/2011	yes	1/18/2012
Tapia	Hector	Las Vegas Paving	1/18/2011	yes	1/18/2012
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
Longo	Monique	Bechtel Corp	1/24/2011	yes	1/24/2012
Flathers	Rick	Bechtel Corp	1/24/2011	yes	1/24/2012
Hoover	Ray	Bechtel Corp	1/24/2011	yes	1/24/2012
Golden	Steve	Bechtel Corp	1/24/2011	yes	1/24/2012
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
Kombeitz	Mike	Las Vegas Paving	1/24/2011	yes	1/24/2012
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

Ivanpah SEGS WEAP Training Log

Gibson	Vic	Securitas	1/24/2011	yes	1/24/2012
Perschon	Glen	Bechtel Corp	1/31/2011	Yes	1/31/2012
Sayers	James	Bechtel Corp	1/31/2011	Yes	1/31/2012
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	1/31/2012
Bowlin	Ross	Bechtel Corp	1/31/2011	Yes	1/31/2012
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	2/7/2012
Nelson	Rick	Bechtel Corp	2/7/2011	Yes	2/7/2012
Stark	Gary	Bechtel Corp	2/7/2011	Yes	2/7/2012
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	2/7/2012
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	2/7/2012
Scott	Sebastian	Bechtel Corp	2/7/2011	Yes	2/7/2012
Shields	Dario	Bechtel Corp	2/7/2011	Yes	2/7/2012
Lanphear	Terry	Bechtel Corp	2/7/2011	Yes	2/7/2012
Wright	Elijah	Bechtel Corp	2/7/2011	Yes	2/7/2012
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	2/7/2012
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	2/7/2012
Spuke	Colin	Sundance Biology	2/7/2011	Yes	2/7/2012
Jordan	Bruce	Ahern Rentals	2/14/2011	Yes	2/14/2012
Taylor	Josh	Ahern Rentals	2/14/2011	Yes	2/14/2012

Ivanpah SEGS WEAP Training Log

Ross	Kawika	Bechtel Corp	2/14/2011	Yes	2/14/2012
Lopez	Alex	Bechtel Corp	2/14/2011	Yes	2/14/2012
Lanning	Chris	Bechtel Corp	2/14/2011	Yes	2/14/2012
Engel-George	Kim	Bechtel Corp	2/14/2011	Yes	2/14/2012
Tallick	Edward	Bechtel Corp	2/14/2011	Yes	2/14/2012
Noren	Bill	Bechtel Corp	2/14/2011	Yes	2/14/2012
Harris	Jimmy	Bechtel Corp	2/14/2011	Yes	2/14/2012
Sanchez	Javier P.	Bechtel Corp	2/14/2011	Yes	2/14/2012
Pilkington	Clint III	Bechtel Corp	2/14/2011	Yes	2/14/2012
Chavez	Domingo	Bechtel Corp	2/14/2011	Yes	2/14/2012
Rauch	Jay	Bechtel Corp	2/14/2011	Yes	2/14/2012
Kluka	Mike	Bechtel Corp	2/14/2011	Yes	2/14/2012
Castaneda	Arthur	Bechtel Corp	2/14/2011	Yes	2/14/2012
Cravey	Richard	Bechtel Corp	2/14/2011	Yes	2/14/2012
Kolt	Ryan	Bechtel Corp	2/14/2011	Yes	2/14/2012
Johnston	William	Bechtel Corp	2/14/2011	Yes	2/14/2012
Clemens	Frank	Bechtel Corp	2/14/2011	Yes	2/14/2012
Duran	Vince	Bechtel Corp	2/14/2011	Yes	2/14/2012
Parzych	Jeff	Bechtel Corp	2/14/2011	Yes	2/14/2012
Morgan	Clayton	Bechtel Corp	2/14/2011	Yes	2/14/2012
Monreal	Kietil	Bechtel Corp	2/14/2011	Yes	2/14/2012
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	2/14/2012
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	2/22/2012
Petalta	Thomas	Bechtel Corp	2/22/2011	Yes	2/22/2012
Brunst	Richard	Bechtel Corp	2/22/2011	Yes	2/22/2012
Ceideburg	Ryan	Bechtel Corp	2/22/2011	Yes	2/22/2012
Goodin	James	Bechtel Corp	2/22/2011	Yes	2/22/2012
Lawrence	Scott	Bechtel Corp	2/22/2011	Yes	2/22/2012
Pham	Steve	Bechtel Corp	2/22/2011	Yes	2/22/2012
Kavathekar	Prasad	Bechtel Corp	2/22/2011	Yes	2/22/2012
Biggers	Larry	Bechtel Corp	2/22/2011	Yes	2/22/2012
Xhiguez	Basilio	Bechtel Corp	2/22/2011	Yes	2/22/2012
Ceballos	Humberto	Bechtel Corp	2/22/2011	Yes	2/22/2012
Neyses	Timothy	Bechtel Corp	2/22/2011	Yes	2/22/2012

Ivanpah SEGS WEAP Training Log

Morales	Ramon P.	Bechtel Corp	2/22/2011	Yes	2/22/2012
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	2/28/2012
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	2/28/2012
Bonillas	Joe	Bechtel Corp	2/28/2011	Yes	2/28/2012
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	2/28/2012
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	2/28/2012
Mowry	Donald E.	Elemental Energy	2/28/2011	Yes	2/28/2012
McGeliee	Bobby	Elemental Energy	2/28/2011	Yes	2/28/2012
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	2/28/2012
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	3/3/2012

Ivanpah SEGS WEAP Training Log

Romero	Orlando	Bechtel Corp	3/7/2011	Yes	3/7/2012
Butcher	Ken	Bechtel Corp	3/7/2011	Yes	3/7/2012
Forton	Marcel	Bechtel Corp	3/7/2011	Yes	3/7/2012
James	Damon	Bechtel Corp	3/7/2011	Yes	3/7/2012
McDonald	Rory	Bechtel Corp	3/7/2011	Yes	3/7/2012
Casner	Howard	Bechtel Corp	3/7/2011	Yes	3/7/2012
Brandenburg	Ryan	Bechtel Corp	3/7/2011	Yes	3/7/2012
Sizemore	Joshua	Bechtel Corp	3/7/2011	Yes	3/7/2012
Hattery	Pamela	Bechtel Corp	3/7/2011	Yes	3/7/2012
Conticchio	Tracy	Bechtel Corp	3/7/2011	Yes	3/7/2012
Martinez	Robert	Bechtel Corp	3/7/2011	Yes	3/7/2012
Morrison	Brian	Bechtel Corp	3/7/2011	Yes	3/7/2012
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	3/7/2012
Stunden	Kurt	Bechtel Corp	3/7/2011	Yes	3/7/2012
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	3/7/2012
Shelp	Kyle	Sundance Biology	3/7/2011	Yes	3/7/2012
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	3/8/2012
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	3/8/2012
DiRuzzo	Shannon	Kiva Biological	3/8/2011	Yes	3/8/2012
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	3/8/2012
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	3/8/2012
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	3/14/2012
Lewardovski	Eric	Bechtel Corp	3/14/2011	Yes	3/14/2012

Ivanpah SEGS WEAP Training Log

Wedin	Gus	Bechtel Corp	3/14/2011	Yes	3/14/2012
Henson	James	Bechtel Corp	3/14/2011	Yes	3/14/2012
Miller	Eric	Bechtel Corp	3/14/2011	Yes	3/14/2012
Velazquez	Joel	Bechtel Corp	3/14/2011	Yes	3/14/2012
Belber	Charles	Bechtel Corp	3/14/2011	Yes	3/14/2012
Denton	Gary	Bechtel Corp	3/14/2011	Yes	3/14/2012
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	3/14/2012
Cordova	Alex Sr.	Bechtel Corp	3/14/2011	Yes	3/14/2012
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	3/14/2012
Lozand	Daniel	Bechtel Corp	3/14/2011	Yes	3/14/2012
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	3/14/2012
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	3/14/2012
Leechen	Melissa	Bechtel Corp	3/21/2011	Yes	3/21/2012
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	3/21/2012
Martinez	JB	Bechtel Corp	3/21/2011	Yes	3/21/2012
Enriquez	Chris	Bechtel Corp	3/21/2011	Yes	3/21/2012
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	3/21/2012
Copeland	Kathy	Bechtel Corp	3/21/2011	Yes	3/21/2012
Krecy	John	Bechtel Corp	3/21/2011	Yes	3/21/2012
Barber	John	Bechtel Corp	3/21/2011	Yes	3/21/2012
Rogers	Jeffery	Bechtel Corp	3/21/2011	Yes	3/21/2012
Lange	Scott	Bechtel Corp	3/21/2011	Yes	3/21/2012
Phelan	Charles R.	Bechtel Corp	3/21/2011	Yes	3/21/2012
Miller	Christopher	Bechtel Corp	3/21/2011	Yes	3/21/2012
Glover	Lene	Bechtel Corp	3/21/2011	Yes	3/21/2012
Nelson	Erin	Bechtel Corp	3/21/2011	Yes	3/21/2012

Ivanpah SEGS WEAP Training Log

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	3/21/2012
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	3/28/2012
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	3/28/2012
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
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

Ivanpah SEGS WEAP Training Log

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	Sundance Biology	3/30/2011	Yes	3/30/2012
Reiley	Bryan	Sundance Biology	3/30/2011	Yes	3/30/2012
Verge	Joey	Sundance Biology	3/30/2011	Yes	3/30/2012
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	4/4/2012
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	4/4/2012
Rezek	Roy	Bechtel Corp	4/4/2011	Yes	4/4/2012
Scott	Brian	Bechtel Corp	4/4/2011	Yes	4/4/2012
Savastio	Rennae	Bechtel Corp	4/4/2011	Yes	4/4/2012
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
Veane	LaDeana	Sundance Biology	4/4/2011	Yes	4/4/2012
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

Ivanpah SEGS WEAP Training Log

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
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	4/11/2012
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	4/13/2012
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	4/18/2012
Armijo	Zeke	Cashman Equipment	4/18/2011	Yes	4/18/2012
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	4/18/2012
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	4/18/2012
Fisk	Tim	NRG	4/18/2011	Yes	4/18/2012
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

Ivanpah SEGS WEAP Training Log

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
Riggs	Rodney G.	Bechtel Corp	4/25/2011	Yes	4/25/2012
Windh	Jason A.	Bechtel Corp	4/25/2011	Yes	4/25/2012
Rubio	Carlos	Bechtel Corp	4/25/2011	Yes	4/25/2012
Becker	Joe	Bechtel Corp	4/25/2011	Yes	4/25/2012
Kirschenheiter	Kathi	Bechtel Corp	4/25/2011	Yes	4/25/2012
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	4/25/2012
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	5/2/2012
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	5/2/2012
Ramiro	Mani D.	Bechtel Corp	5/2/2011	Yes	5/2/2012
Morbitzer	Don	Bechtel Corp	5/2/2011	Yes	5/2/2012
Powers	John H.	Bechtel Corp	5/2/2011	Yes	5/2/2012
Velasco	Abraham	Bechtel Corp	5/2/2011	Yes	5/2/2012
Planck	Danny	Bechtel Corp	5/2/2011	Yes	5/2/2012
Stoddart	Charles	Bechtel Corp	5/2/2011	Yes	5/2/2012
Fisher	Ronald	Bechtel Corp	5/2/2011	Yes	5/2/2012
Sitters	Mark	Bechtel Corp	5/2/2011	Yes	5/2/2012

Ivanpah SEGS WEAP Training Log

Ferjo	Derik	Bechtel Corp	5/2/2011	Yes	5/2/2012
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
Forsuth	Duncan	NRG	5/2/2011	Yes	5/2/2012
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
Adkins	Cindy	Talascend	5/2/2011	Yes	5/2/2012
Breese	Allan	AGCS	5/9/2011	Yes	5/9/2012
Mason	Stephen	Bechtel Corp	5/9/2011	Yes	5/9/2012
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	5/9/2012
Allen	Dennis	Bechtel Corp	5/9/2011	Yes	5/9/2012
Koopman	Dirk	Bechtel Corp	5/9/2011	Yes	5/9/2012
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	5/9/2012
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

Ivanpah SEGS WEAP Training Log

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	Sundance Biology	5/9/2011	Yes	5/9/2012
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
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

Ivanpah SEGS WEAP Training Log

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
McMarrey	Douglas	Pile Drivers 2375	5/16/2011	Yes	5/16/2012
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	5/23/2012
Camorlinga	Francisco	Bechtel Corp	5/23/2011	Yes	5/23/2012
Runyan	Patrick	Bechtel Corp	5/23/2011	Yes	5/23/2012
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

Ivanpah SEGS WEAP Training Log

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
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

Ivanpah SEGS WEAP Training Log

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	6/13/2012
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

Ivanpah SEGS WEAP Training Log

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
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

Ivanpah SEGS WEAP Training Log

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
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

Ivanpah SEGS WEAP Training Log

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
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

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.	NICK Petrocelli	BECHTEL		6/6/11
2.	MICHAEL J. DIAB	BECHTEL	Michael J Diab	6/6/11
3.	Mark Mendenhall	Bechtel		6/6/11
4.	Joe C. Cornish Jr.	BECHTEL		6-6-11
5.	LEE WILSON	BECKTEL		6/6/11
6.	ANDREW MROVCAK	BECKTEL		6/6/11
7.	BENEEN LIZARES	BECKTEL		6.6.11
8.	JOHN PAVLIK	BUREAU VERITAS		6.6.11
9.	NICK Gilmore	Bechtel	Nick Gilmore	6-6-11
10.	MISAEL VELASCO	BECKTEL		6/6-11
11.	JOSE CISNEROS	Bechtel		6/6/11
12.	LINDSEY MOORE	BECHTEL		6.6.11
13.	Mark Burgum	Bechtel		6.6.11
14.	DAN BROWN	Bechtel		6-6-11
15.	Carlos Enciso	Bechtel		6-6-11
16.	Rob Lane	BECHTEL		6-6-11
17.	KURT SMITH	BECHTEL		6-6-11
18.	Rudy Rodriguez	Bechtel		6-6-11
19.	Casey Cowen	Bechtel		6-6-11
20.	RICHARD DUARTE	BECHTEL		6-6-11
21.	Lorrie Kinkade	Bechtel		6-6-11
22.	Andy Avalos	Bechtel		6-6-11
23.	JACK CLARKE	BECHTEL		6-6-11
24.	JOSE RODRIGUEZ	BECHTEL		6-6-11
25.	ERICK MEJIA	BECHTEL		6/6/11
26.	JIM QUEREN BERRY	NRG ENERGY		6/6/11
27.	Jennifer Burns	Bechtel		6-6-11
28.	DARRELL ANDERSON	Prospect Steel		6-6-11
29.	Jason Klinkert	BECHTEL		6-6-11
30.	GARY HALL	CASHMAN EQUI		6-6-11

Trainer: D. Davis Signature: Date: 6/6/11

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.	Corbin Buchholz	Caterpillar		6/6/11
2.	Deb Hilmerson	NRG - Hilmerson	Deb Hilmerson	6/6/11
3.	Roy CRAFT	NRG	Roy Craft	6/6/11
4.	Jake Edel	Bechtel		6/6/11
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Total 4

Trainer: D. Davis Signature: Date: 6/6/11

2 of 2

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.	Stephen T. PaKrysKa	Bechtel		6/13/11
2.	Isaac Muniz	Bechtel		6-13-11
3.	Timothy Dobyns	Bechtel		6-13-11
4.	Vicky Mendoza	Bechtel		06/13/11
5.	Carlos Vasquez	Bechtel		6-13-11
6.	Mike Balos	Bechtel		6-13-11
7.	Roger Pickford	Bechtel		6-13-11
8.	Anna Droa	Converse Consultants		6-13-11
9.	Jim WERLE	CONVERSE CONSULTANTS		6-13-11
10.	Daniel P Nichols	Tri county		6-13-11
11.	PAUL NORDSTROM	CONVERSE CONSULTS		6-13-11
12.	Charles Johnpillai	Converseconsultants		6/13/11
13.	Enrique Susso IV	Tri County Drilling		6/13/11
14.	ANTONIO S. MACIEL JR	converse consultants		6/13/11
15.	Charles Mains	Elite Drilling		6-13-11
16.	GREG BOLT	EDI		6/13/11
17.	Kevin Lasswell	EDI		6-13-11
18.	Nick Corona	EDI		6-13-11
19.	Thomas High	EDI		6-13-11
20.	John Brooks Hart	Corvus Ecological		6.13.2011
21.	Klaus Wostal	See		6-13-11
22.	Duane Fellows	Bechtel		6-13-11
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Trainer: MIKE JIMENEZ Signature: Mike Jimenez Date: 06/13/11

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.	100599 Carlos Ortiz	Bechtel		06/13/11
2.	SANTOS SANDOVAL	Local Five		06/13/11
3.	Javier Gonzalez	Bechtel		6-13-11
4.	Oguer Gonzalez	Local Five		6-13-11
5.	Juan D. Lopez	Bechtel		6-13-11
6.	Andrew Madrid	Bechtel		6-13-11
7.	Anthony Barrañon	Bechtel		06/13/11
8.	Darrel Shiffler JR	Bechtel		6/13/11
9.	SAM ALVARADO	BECHTEL		6/13/11
10.	KEN GOODWIN	SCE		6/13/11
11.	RAY A GLEIM	SCE		6/13/11
12.	Brent Stonerock	SCE		6/13/11
13.	Doug Nicholas	SCE		6-13-11
14.	TOM WHITE	Gen. Solar		6-13-11
15.	AMIT BHARADWAJ	SCE		06/13/11
16.	FRED FLORENCE	B.G. TO		6/13/11
17.	Joseph Betzler	AECOM/SCE	Joey Betzler	2011/06/13
18.	Matthew Bernard	AEI CASC/SCE		6/13/11
19.	Alan Batdorf	AEI-CASC/SCE		6/13/2011
20.	Mary Reid	SCE		6/13/2011
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Trainer: MIKE JIMENEZ Signature: [signature] Date: 06/13/11

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.	Pete Agaponoff	BCC		6/20/11
2.	Jeffrey Ritter	BCC		6/20/11
3.	Michael Sluchy	BS		6.20.11
4.	Don Boyer	Rivabo		6-20-11
5.	Abel Herrera	Bechtel		6-20-11
6.	Donald D. Harmon	Bechtel	Donald D. Harmon	6-20-11
7.	Josh Biggers	Bechtel		6-20-11
8.	Hector M Ochoa	BECHTEL	Hector M Ochoa	6-20-11
9.	Nathan Scalla	Bechtel		6-20-11
10.	Randy Lusby	Bechtel		6-20-11
11.	Oscar Gomez Ramirez	Finnco		6-20-11
12.	Jason Sandstedt	Finnco		6-20-11
13.	Ron Mokhiber	United Rentals		6-20-11
14.	Randy Sweet	United Rentals		6-20-11
15.	Chris Cunningham	Bechtel		6-20-11
16.	Brad Bailes	Element		6-20-11
17.	Joel Alsup	Element		6-20-11
18.	Jeff Frohwerk	Element		6-20-11
19.	George Hunt	Element		6-20-11
20.	Jeff Woods	LVP		6-20-11
21.	Darrell Fairsail	LVP		6-20-11
22.	Curtis Marchello	LVP		6-20-11
23.	Tom Chewitt	LVP		6-20-11
24.	Peter Havlik	Bright Sewer		6-20-11
25.	Monte Gibbs	Bechtel		6-20-11
26.	Jeff Frilot	Bechtel		6-20-11
27.	David Sikorski	Bechtel		6-20-11
28.	Carlos Alvarez	Bechtel	Juan C. Alvarez	6-20-11
29.	Steven Cartwright	Bechtel		6-20-11
30.	Tim Roich	Bechtel		6/20/11

Trainer: D. Davis Signature: Date: 6/20/11

1 of 2

Certification of Completion of Worker Environmental Awareness Program Training

Ivanpah Solar Electric Generating System Project, San Bernardino County, California
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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.	BRETT DICKSON	NAU		6.20.11
2.	Mart Farnsworth	NAU		6.20.11
3.	Judy K Henson	Bechtel Telecom		6-20-11
4.	MATT FINNERTY	FINNCO		6-20-11
5.	Matthew J Byrne	Finco Cmcos		6-20-11
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Trainer: D. Davis Signature: _____ Date: 6/20/11

35 total

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.	JAMES SABER	BCC		6/27/11
2.	BENNY SHIPMAN	BCC		6/27/11
3.	MARCO MORRISON	"		6/27/11
4.	Gordon Marsh	"		6/27/11
5.	Doug STECK	"		6/27/11
6.	Robert Marquez	"		6-27-11
7.	Tydrick CARR	" "		6/27/11
8.	Isaias [illegible]	"		6/27/11
9.	Luis CAPRILLO	"		6-27-2011
10.	Bobby Gonzales	"		6-27-11
11.	Al Wilkins	"		6-27-11
12.	Thomas Brown	"		6-27-11
13.	Allen Armendariz	"		6-27-11
14.	Rick Leathley	"		6-27-11
15.	Luther Gonzalez	"		6-27-11
16.	Jacob Gavin	"		6-27-11
17.	ALEX J. GUST II	BECHTEL		6-27-11
18.	Kris Kvaack	Finnco		6-27-11
19.	MARK GRANADOS	BECHTEL		6-27-11
20.	Jay ROZEMA	Bechtel		6-27-11
21.	Sean Gallagher	Bechtel		6-27-11
22.	SALVADOR RINCON	Bechtel		6-27-11
23.	KAREN CARRUTH	BECHTEL		6-27-11
24.	SANDE O. OLOFINTILA	BECHTEL		6-27-11
25.	JIM GIBSON	BECHTEL		6-27-11
26.	JAMES MAXSON	Bechtel		6-27-11
27.	Raymond Arguelles II	Bechtel		6-27-11
28.	Jaime BAUTISTA	Bechtel		6-27-11
29.	Alejandro Magaña III	Bechtel		6-27-2011
30.	Michael Juarez	Bechtel		6-27-11

Trainer: L DAVIS Signature: _____ Date: 6/27/11

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.	John WALKER	Bech		6-27-11
2.	Adam Klenk	Bechtel		6-27-11
3.	Jerry ABBOTT	Bechtel		6-27-11
4.	Scott McBride	de con		6/27/11
5.	JOSE L. GARCIA	BECHTEL		6-27-11
6.	ALEJANDRO DE LA PAZ	BECHTEL		6.27.11
7.	MIKE REAL	BECHTEL		6.27.11
8.	THOMAS ROONEY	BECHTEL		6/27/11
9.	Allen Almendariz	Bechtel		6/27/11
10.	TRAVIS Gribbings	Bechtel		6-27-11
11.	Jeff WATTS	Bechtel		6-27-11
12.	ALEX J. GUSTIN	BECHTEL		6-27-11
13.	LARRY WHITESIDE	BECHTEL		6-27-11
14.	ROBERT DIXON	BECHTEL		6-27-11
15.	Tabitha Hartlage	Securitas		6-27-11
16.	Randal Baker	BECHTEL		6-27-11
17.	ROMAN Martinez	Bechtel		6-27-11
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47 Total

Trainer: D Davis Signature: _____ Date: 6/27/11

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.	Adam Ramirez	Bechtel	Adam Ramirez	6/28/11
2.	CARL FORSTER	BECHTEL		6-28-11
3.	Armando Peña	Bechtel		06-28-11
4.	John Nerison	Power Engineers	John Nerison	06-28-11
5.	Ryan Boorman	Kiva Bio		6-28-11
6.	John HART	Power Constructors		6-28-11
7.	Keith Stamm	SCE		6-28-11
8.	Chris Mercer	Power Engineers		6/28/11
9.	TONY CUNHA	SCE		6/28/11
10.	Marques Wilson	SCE		6/28/11
11.	Benjamin Norwood	Power Constructors		6/28/11
12.	Michael McElfish	SCE		6/28/11
13.	Quintin Green	SCE		6/28/11
14.	EDWARD CALDWELL	SCE		6-28-11
15.	HARMON VAUGHN	SCE		6-28-11
16.	Matthew Hara	SCE		6/28/11
17.	JASON JIMENEZ	SCE		6-28-11
18.	Amir Arefnia	Power Constructors		6-28-11
19.	VIDYA C. DIXIT	SCE		6-28-11
20.	JEFF MILLER	SCE		6-28-11
21.	KIRK RICH	SCE		6-28-11
22.	WILLIAM HANNA	BECHTEL CONSTRUCTORS	William Hanna	6-28-11
23.	Kris Kraack	Finnco		6-28-11
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Trainer: D. Davis Signature: Date: 6/28/11

Exhibit 7

Cultural Resources Monthly Monitoring Report
Condition of Certification
CUL-7

Monthly Report of Cultural Resources Monitoring Activities for Ivanpah Solar Electric Generating System for June 2011; COC CUL-7

Prepared For: John Carrier/ISEGS Project Manager
Prepared By: Clint Helton/ISEGS CRS
Reporting For Period: June 2011

This report covers cultural resources monitoring activities at the Ivanpah Solar Electric Generating System for the month of June 2011, as required by Conditions of Certification CUL-7.

Personnel Active in Cultural Monitoring This Period

Dan Ewers, Gloriella Cardenas, and Clint Helton were on stand-by this month.

Monitoring and Associated Activities This Period

No monitoring occurred this month.

Cultural Resources Discoveries This Period

No new cultural resource discoveries were made this month.

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 Resources
Monthly Compliance Report
Condition of Certification
PAL-5

Monthly Report of Paleontological Resources Compliance Activities for Ivanpah Solar Electric Generating System for June 2011; COC PAL-5

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

Prepared By: Geof Spaulding/ISEGS PRS

Date: July 7, 2011

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 administered 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. Occasional spot-monitoring by the PRS continues.

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

Condition of Certification BIO-18 Summary – June, 2011

Within the month of June, 2011, no special-status plants were fenced or salvaged in Ivanpah 1, 2, or 3. Work in these areas will commence when daytime temperatures cool in fall, 2011.

Salvaged plants that were transplanted onsite in the Rare Plant Transplantation Area (RPTA) were watered on June 2, 9, 23 and 30, 2011. In addition, the Mojave milkweed onsite were given additional water the week of June 15. Cacti were not watered in the RPTA that week. A tortoise monitor was present during watering events that involved using the watering truck. At the time of watering, the crew also re-contoured the watering wells and removed any sediment deposits from watering. A tortoise monitor was present during all watering events that require the use of water trucks.

In late May 2011, the health of the special-status plants in the RPTA was assessed. Species transplanted into or propagated within the RPTA include: Mojave Milkweed (*Asclepias nyctaginifolia*) (ASNY), and desert pincushion *(Coryphantha chlorantha*) (COCH), Parish's club-cholla (*Grusonia parishii*) (GRPA), and Rusby's desert mallow (*Sphaeralcea rusbyi var. eremicola*) (SPRUER). A total of 419 special-status plants have been transplanted into or propagated within the RPTA. Some of these plants do not originate from a single salvaged individual, but are propagules (e.g., root segments from one salvaged rare plant individual). Photographs of the salvaged or propagated species are provided in Attachment A.

A species-specific health classification was created and each plant in the RPTA was assessed in May 2011 and assigned a health category. Results of the health assessment are summarized below.

RPTA Health Assessment

Mojave milkweed. A total of 60 Mojave milkweed are located within the RPTA. Some of these plants are propagules (e.g., root segments from one salvaged rare plant individual). As of May 2011, a total of 15 plants (or 25 percent) are not showing signs of growth above ground. It is possible that some of these salvaged or propagated individuals are too small to have sprouted this year, and they could resprout next season. Mojave milkweed tubers may need to put on growth to have the reserves necessary to produce large aboveground growth and flowers. However, some of these plants may have been predated or died. The thick tap root(s) and fruits of Mojave milkweed are a frequent target of predation at ISEGS.

Desert pincushion. A total of 224 desert pincushion plants have been transplanted into the RPTA. Of this total number, 13 individuals (or 6 percent) were categorized as "dead" or "missing" (possibly due to predation). A total of 211 individuals were categorized as "alive". All cacti are continuing to receive irrigation in the nursery. Once irrigation has ceased, it is expected that mortality will increase.

Parish's club-cholla. A total of 134 Parish's club-cholla have been transplanted into the RPTA onsite. Of this total number, six individuals (or 4 percent) were categorized as "dead" or "missing" (due to possible predation). Almost all of the transplanted clonal mats "clumps" of Parish's club-cholla have "mixed" health, similar to unsalvaged plants growing in natural habitat. These "mixed-health" plants often have some parts of the plant with browning or possibly dying stems/tissue while other parts of the plant show new vegetative growth.

Rusby's desert mallow. One Rusby's desert mallow was transplanted into the RPTA. This plant is actively growing but it did not flower in 2011.

The condition of all transplanted individuals will continue to be assessed, particularly throughout the summer months, when growing conditions are the most stressful to young plants, and again in fall, 2011. Additional monitoring of the special-status plants will be performed in 2011 and in future years, after irrigation has ceased. Results of monitoring will be included in a Special-Status Plant Monitoring Report and provided to the CEC and BLM as outlined in BIO-18.

Native Plant Nursery Activities

A total of 128 Parish's club cholla propagules were transplanted into the native plant restoration contractor's nursery. Of this number, 25 individuals (or 20 percent) have "marginal" health classification or are dead. These individuals were irrigated once per week during June, 2011.

In June 2011, approximately one inch of water was applied to the potted Mojave milkweed root segments during each weekly watering event. The potted Mojave milkweed root segments have not resprouted and the roots in one pot were unearthed and investigated. The examined root segment was noted as dried and shriveled. If the other potted root segments are similar, it is unlikely that the root segments that were potted in fall 2010 will resprout. Additional root segments were also obtained in March 2011, and placed in pots in the nursery to attempt to regrow plants from root segments. These will be tracked over time for new growth.

Special-status seeds collected from 2010 that were air dried inside the native plant nursery were placed in glass jars with desiccant packets. Special-status plant seeds will be stored in the refrigerated seed trailer in the native plant nursery.

Rusby's desert mallow and Mojave milkweed Surveys of Public Lands Adjacent to ISEGS

In compliance with BIO-18, the botanical team conducted surveys for Rusby's desert mallow and Mojave milkweed on public lands adjacent to the ISEGS site. Surveys were conducted the week of May 24, 2011. Additional surveys are planned for the week of June 6. Information on Rusby's desert mallow and Mojave milkweed observed during these public lands surveys will be described in the July 2011 compliance report.

Future botanical activities for the next 90 days include:

- Collection of Mojave milkweed and desert pincushion seed from plants contained in the RPTA, if plants produce seed in sufficient quantity to make collection productive
- Continued confirmation and salvage of additional special-status plant locations identified by tortoise biologists during tortoise monitoring
- Continued Quality Assurance/ Quality Control (QA/QC) of plant data
- Monitoring and maintenance including irrigation of any existing and newly installed plants within the RPTA
- Monitoring and maintenance of all exclusionary fencing (in Special Status Plant Protection Areas) within the Project
- Monitoring of all fenced plant localities within the Ivanpah Units 1, 2 and 3 solar fields
- Preparation of Mojave milkweed and Rusby's desert mallow public lands survey report

Attachment A

Photographs of Special-Status Plants in the RPTA – Spring 2011

PHOTO 1
Rare Plant Transplantation Area (Looking East)

PHOTO 2
Mojave Milkweed - ASNY-0028-10-002

PHOTO 3
Desert Pincushion - COCH-1024

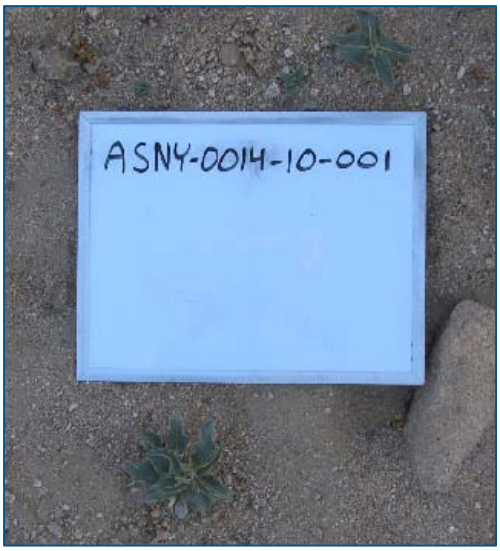

PHOTO 4
Mojave Milkweed - ASNY-0014-10-001

PHOTO 5
Mojave Milkweed - ASNY-0014-10-001 (close view)

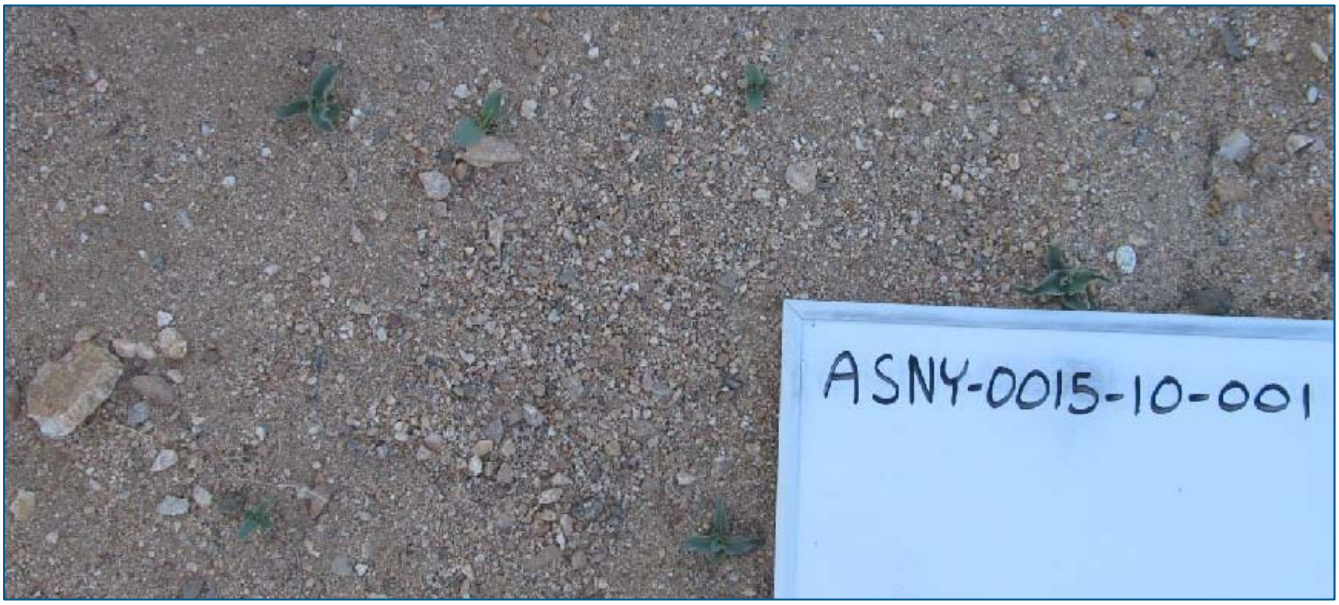

PHOTO 6
Mojave Milkweed - ASNY-0015-10-001

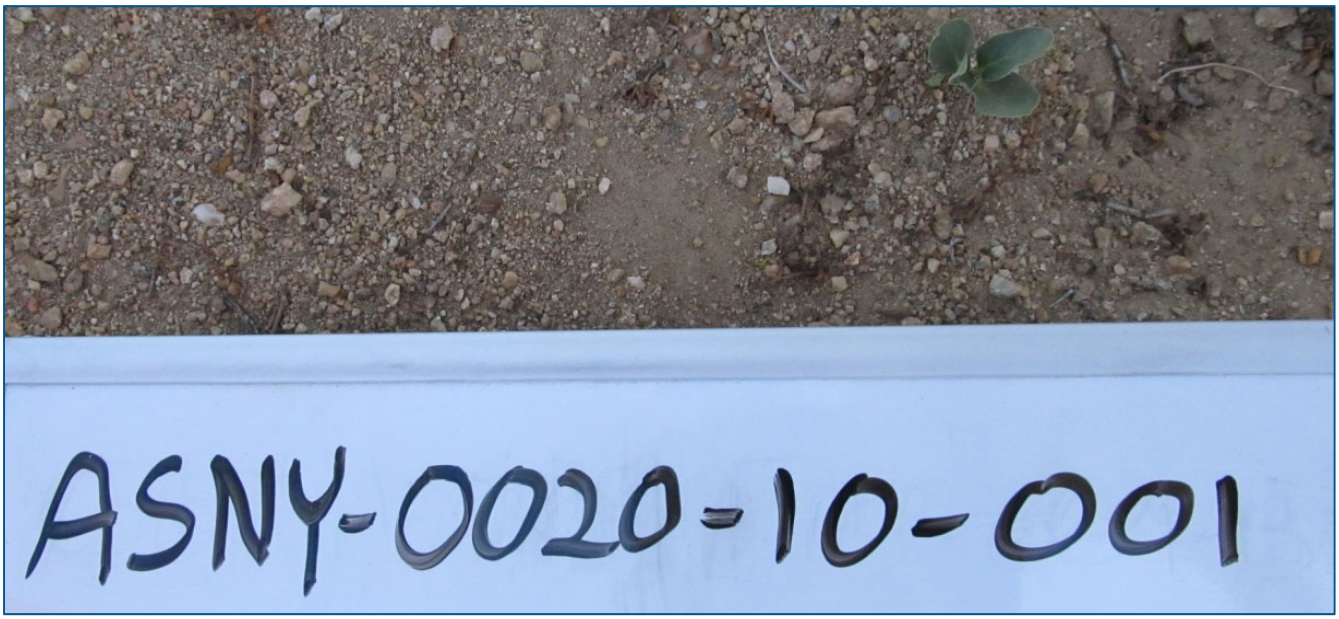

PHOTO 7
Mojave Milkweed - ASNY-0020-10-001

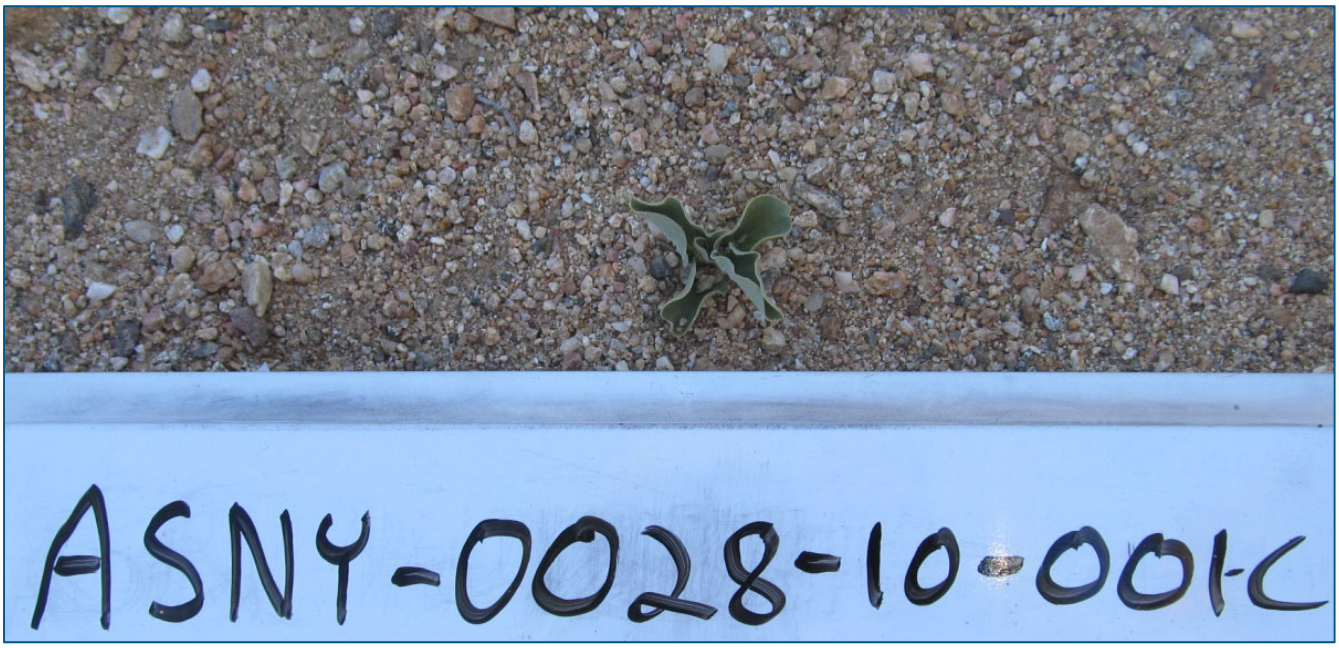

PHOTO 8
Mojave Milkweed - ASNY-0028-10-001C

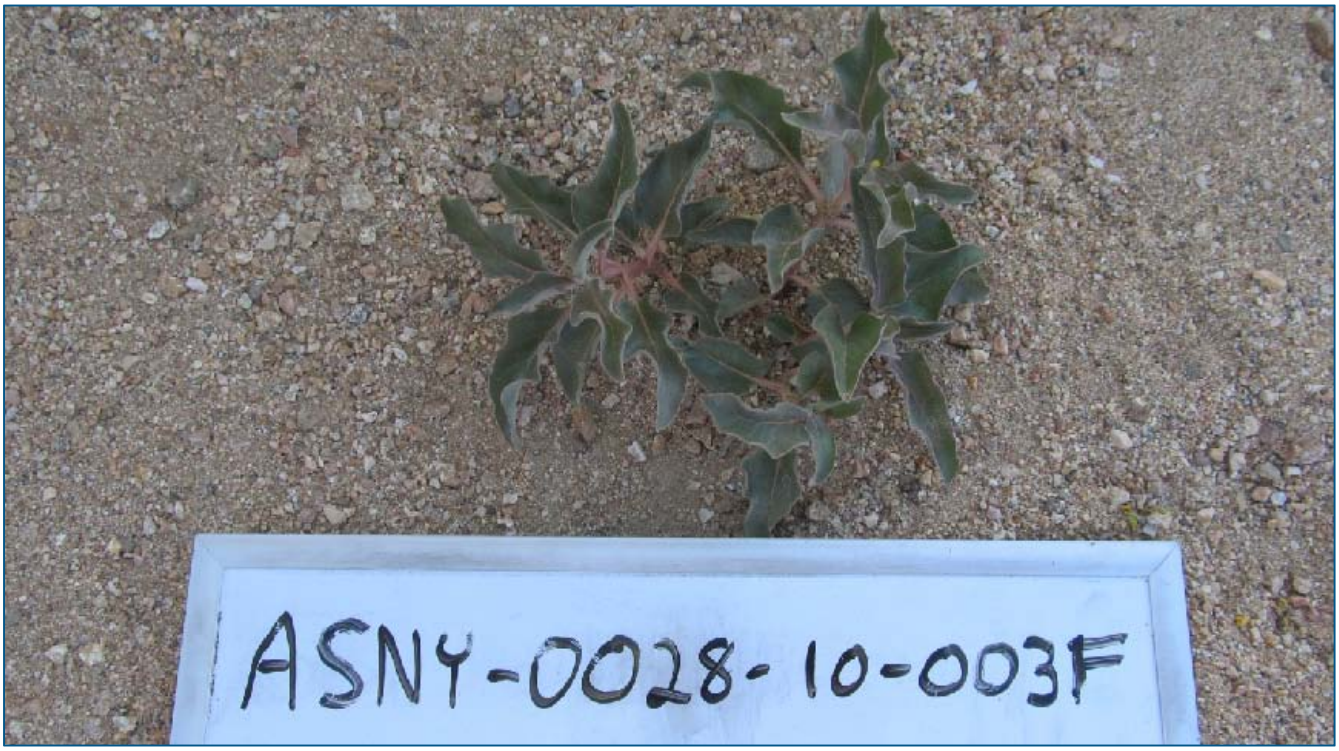

PHOTO 9
Mojave Milkweed - ASNY-0028-10-003-F

PHOTO 10
Mojave Milkweed - ASNY-0032-10-001

PHOTO 11
Mojave Milkweed - ASNY-0037-10-004A

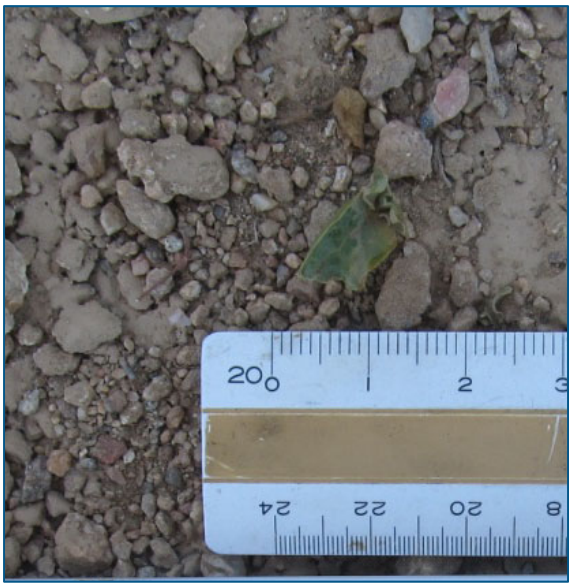

PHOTO 12
Mojave Milkweed - ASNY-0054-10-001

PHOTO 13
Mojave Milkweed - ASNY-0752-10-002

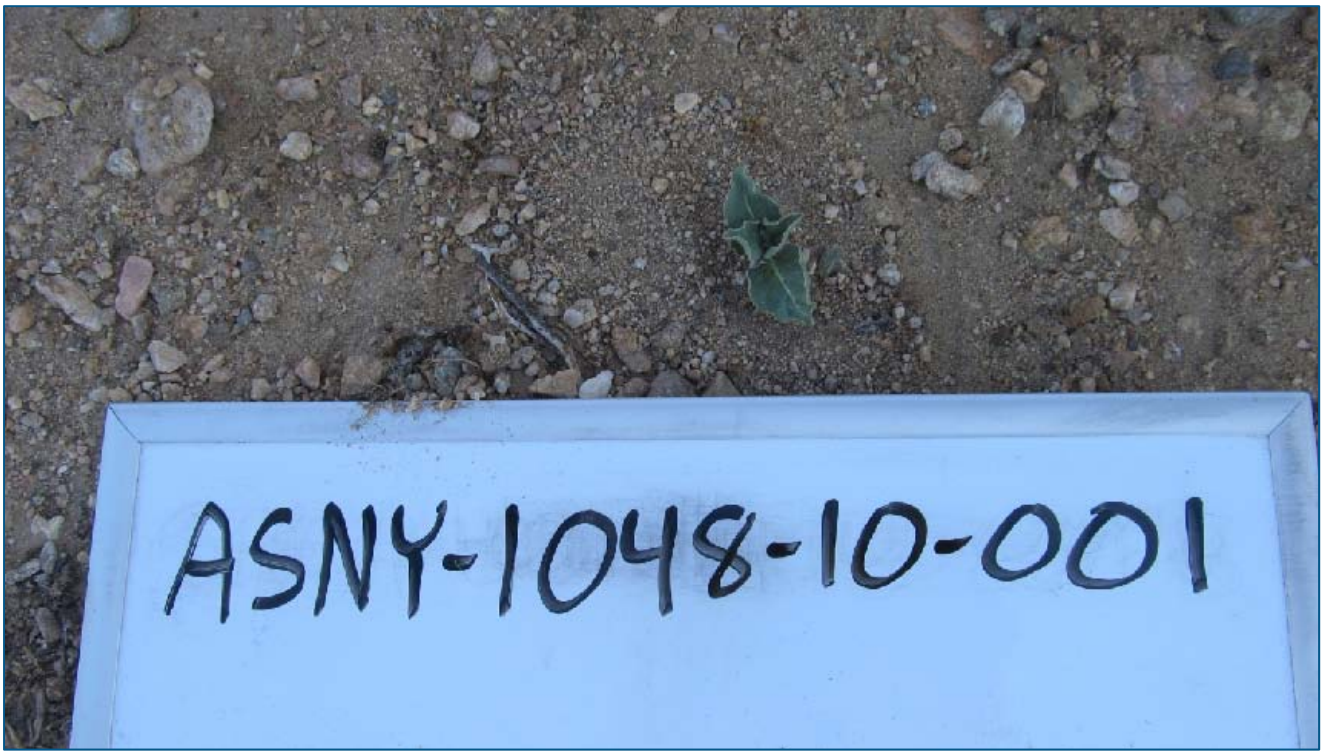

PHOTO 14
Mojave Milkweed - ASNY-1048-10-001

PHOTO 15
Desert Pincushion - COCH-0038-10-001

PHOTO 16
Desert Pincushion - COCH-0108-10-001

PHOTO 17
Desert Pincushion - COCH-0232-10-001

PHOTO 18
Desert Pincushion - COCH-1095-10-001

PHOTO 19
Desert Pincushion - COCH-1130-10-001

PHOTO 20
Desert Pincushion - COCH-1140-10-001

PHOTO 21
Desert Pincushion - COCH-1204-10-002

PHOTO 22
Parish's Club-cholla - GRPA-0023-10-001

PHOTO 23
Parish's Club-cholla - GRPA-0062-10-001

PHOTO 24
Parish's Club-cholla - GRPA-0070-10-001

PHOTO 25
Parish's Club-cholla - GRPA-0086-10-001

PHOTO 26
Parish's Club-cholla - GRPA-0129-10-001

PHOTO 27
Parish's Club-cholla - GRPA-0130-10-001

PHOTO 28
Parish's Club-cholla - GRPA-1131-10-001

PHOTO 29
Parish's Club-cholla - GRPA-1157-10-001

PHOTO 30
Rusby's Desert Mallow - SPRUER-0008-10-001

PHOTO 31
Desert Pincushion - COCH-1016-10-001

MEMORANDUM CH2MHILL

Monthly Compliance Report for Revegetation and Weed Management Activities on Ivanpah SEGS, June 2011

TO: Tracie Wheaton/BSE
Doug Davis/BSE

COPIES: CH2M HILL Environmental Staff

FROM: Morgan King/LAS
Geof Spaulding/LAS

DATES of FIELD REVIEW: June 6 and 20, 2011

PROJECT NUMBER: 418854

The June Monthly Compliance Report combines topics pertaining to revegetation, rehabilitation, and weed management at the Ivanpah SEGS project site. Two field reconnaissance sessions were conducted on June 6th for seed collection and June 20th for topsoil storage assessment.

The following is a summary of status and results:

- Planning is now underway to assure that topsoil storage berms for revegetation of short-term disturbance areas meet the criterion of shallow depth to allow seed bank survival.
- The results of the seed reconnaissance and laboratory tests indicated four species should be targeted to collect in 2011: creosote bush (*Larrea tridentata*), buckwheat (*Eriogonum fasciculatum* ssp. *polifolium*), desert rabbitbrush (*Chrysothamnus paniculatus*), and catclaw acacia (*Acacia greggii*).
- Due to timing of seed maturity, no seed was collected in June, 2011.
- No noxious weeds requiring action as specified in the approved *Weed Management Plan* were observed on Ivanpah SEGS. No noxious weeds reached a density threshold requiring action.
- An equipment and large vehicle washing station was installed at the guard entrance to the site; however, it is currently inactive waiting for electricity to run. The washing station is not for personal vehicle use.
- Discussions are on-going regarding the differing of the weed monitoring protocol requirements in the accepted October 2010 *Closure, Revegetation and Rehabilitation Plan* (especially the *Weed Management Plan*) and the June 10, 2011 *Biological Opinion*.
- The previously-reported red brome (*Bromus madritensis*) infestation in and around the cattle guard immediately adjacent to the Yates Well interchange has set seed and cured. Recommendations have been made for a fire hazard sign to be placed there.

Additional Notes on Seed Collection

Revegetation related seed collection will be conducted by Comstock Seed and Native Resources/Soil Tech. On June 6, 2011, the owner of Comstock Seed, Ed Kleiner, trained field staff from Native Resources/Soil Tech in seed collection techniques and assessed the seed

maturity in the field (Photo 1). In addition to seed collecting crews, Jill Craig/Soil Tech and Morgan King/CH2M HILL were also trained to monitor seed maturity in the field.

Mr. Kleiner determined that several of the target seed species were past maturity and therefore not worth collecting in 2011, including white bursage (*Ambrosia dumosa*), wooly bursage (*Ambrosia eriocentra*), sweetbush (*Bebbia juncea)*, Virgin River brittlebush (*Encelia virginensis*), cheesebush (*Hymenoclea salsola*), Mojave peppergrass (*Lepidium fremontii*), big galleta grass (*Pleuraphis rigida*), and bladder sage (*Salazaria mexicana*).

Continuing and Planned Activities

These activities will assist BrightSource in complying with its project-specific plans and permit requirements:

- Monitor creosote bush, buckwheat, desert rabbitbrush, and catclaw acacia for optimal seed collection timing.
- Log the use of the personal vehicle washing station for potential transport of noxious weeds onto the site.
- Conclude weed monitoring protocol discussions.
- Continue monitoring watered areas including access roads and active earthmoving for early detection of weeds.
- Install fire hazard sign at the Yates Well cattle guard
- Implement an updated topsoil storage plan
- Re-status of succulent salvage plans

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Figures

Figure 1. Ed Kleiner from Comstock Seed demonstrates how to use a hopper to collect white bursage (*Ambrosia dumosa*) seed from along Colosseum Road.

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SUNDANCE BIOLOGY, INC.
179 NIBLICK RD., PMB 272, PASO ROBLES, CA 93446
MERCY VAUGHN •928-380-5507 • MANYDOGS10@AOL.COM
STEPHEN BOLAND•928-380-8850 • SPBOLAND@AOL.COM

KIVA BIOLOGICAL CONSULTING
PO BOX 1210, INYOKERN, CA 93527
PETER WOODMAN •760-861-3961 • KIVABIO@AOL.COM

Attention: John L. Carrier, J.D. July 5, 2011
Program Manager
CH2M HILL
2485 Natomas Park Dr. #600
Sacramento, CA 95833-2937
Office: 916-286-0224
Fax: 916-614-3424
Cell: 916-996-9349

REGARDING: ISEGS Monthly Compliance Report, June 4, 2011- June 30, 2011.

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 June 4, 2011 through June 30, 2011 on construction of the ISEGS Project in Ivanpah Valley, San Bernardino County, California.

Construction on ISEGS began on October 8, 2010. Tortoise-proof fencing continues to enclose the Common Area East, Common Area West, Ivanpah 1, and Ivanpah 2 Power Block project areas as well as the associated access roads. Surveys for desert tortoise, badger, Gila monster, and burrowing owl are ongoing immediately in front of construction for all surface disturbances.

Release of Biological Opinion (8-8-10-F-24R) and Associated Clearance Surveys

The revised Biological Opinion was released to BrightSource Energy on June 10, 2011. Desert tortoise clearance surveys immediately followed in areas proposed for construction over the summer following the issuance of the BLM Notice to Proceed and were completed on June 16, 2011. These areas included the Ivanpah 3 power block extended to the second ring road, the Ivanpah 3 access road and the Ivanpah 2 power block extended to the second ring road. Clearance surveys for all areas included an initial pass for burrow excavation including rodent burrows, followed by two additional clearance passes. All clearance was conducted according to guidelines delineated in the most recent Biological Opinion.

Desert Tortoises on the Project, Recipient and Control Sites

One unmarked juvenile tortoise (46 mm) was found by a biological monitor walking in front of a mower in Ivanpah 1 on June 9, 2011. See Figure 1 for map of initial location. The tortoise was transported to the pens where it was processed and assessed for health. The tortoise, BS178, was placed in pen 43 and continues to reside there.

One unmarked immature tortoise (122 mm MCL) was found on June 11, 2011 prior to official clearance passes while a crew searched near a previously located active burrow in the Ivanpah 3 power block area. The tortoise (number BS179) was captured and taken to the pens for processing and health assessment and continues to reside in the pens. No other tortoises were found during clearance activities.

On May 17, 2011 a large urolith was palpated during a health assessment performed on tortoise BS103, a 251 mm male in the ISEGS quarantine pens. An x-ray was performed in the field on May 21, 2011 by Dr. Jay Meyers, and he confirmed a 6-7 cm diameter urolith. The urolith was surgically removed on May 27, 2011, and tortoise BS103 was returned to the quarantine pens on site with an esophageal feeding tube on June 2, 2011. The tortoise is recovering without complications and the esophageal (feeding) tube was removed June 28, 2011 when Dr. Craig Himmelwright, DVM found the tortoise's weight stabilized. Three sutures were used to close the incision, and the tortoise is in good health.

Following the amputation of its left forelimb, tortoise BS59 was also returned to the quarantine pens on site. The tortoise is monitored heavily and was built a special burrow that allows it to burrow deep into the ground where it's cool yet can still be monitored.

All telemetered tortoises continue to be tracked on a weekly basis. See Figures 2a, 2b, 3a and 3b for initial and recent locations of recipient tortoises, see figures 4 and 5 for initial and recent locations of control tortoises and figures 6 and 7 for initial and recent locations of tortoises on Ivanpah 2 and 3. See Table 1 for the ISEGS desert tortoise master list.

Desert Tortoise Health Assessments

On June 9, 10 and 19, four tortoises were resampled for blood draw and four previously gravid females who recently laid clutches were also sampled for blood draw. One gravid female (BS57) who has yet to lay her clutch still remains unsampled. A health assessment will be performed on her soon after she nests.

Results for 161 blood samples total have been determined to date. Of those, 11 tortoises are suspect and one (BS02) is positive for *Mycoplasma agassizii*, and one tortoise is suspect and one (BS94) is positive for *Mycoplasma testudineum.*

Quarantine Pens

In compliance with the Husbandry Plan developed for the ISEGS Project, desert tortoises moved to the quarantine pens within the Common West Area are monitored daily. The area around the pens is inspected for any sign of predators on a daily basis. Water and a combination of native forage and store-bought food approved for this purpose and recommended by the California Turtle and Tortoise Club is being provided to all penned tortoises.

In accordance with BLM requirements, several measures have been taken to protect tortoises from heat stress in the quarantine pens. The pens were modified prior to June clearance surveys for enhanced shading and cooling.

Pens for incoming animals were equipped with a shade tarp that covers a large corner of the pen. The shade material covers the area of the pen that has the least amount of natural shading vegetation. These shade tarps were constructed by Crown Fence on June 9 and 10, 2011.

A VersaMist self-contained power mister was installed in the holding pens on June 8, 2011 and is available on an as-needed basis. This misting unit has one 18" fan head, and a ten-gallon capacity water tank. This unit has the capacity to mist for approximately five hours on ten gallons of water. The unit is located exterior to the pens to ensure tortoise safety. The mister is powered by a gasoline generator located in the common area of the holding pen site, and the power cord is placed in an area to assure human and tortoise safety. Biological monitors are present to ensure performance, safety and effectiveness of the mister. Additional misters may be utilized should they prove effective, and as determined necessary. The misters were and are still available in the event that a tortoise shows signs of hyperthermia, however they were not used during the month of June since the two tortoises admitted to the pens were processed during a normal activity period and did not show signs of heat stress.

A water dish is available for each tortoise under the shade tarp, and an additional water dish is available in another corner of the pen along the fence line. Each pen also contains fresh food provided under the shade tarp.

A biological monitor well versed in signs of tortoise hyperthermia walks the fence lines of the pens, and will act according to the methods described in the Biological Opinion and Fish and Wildlife Handling guidelines if a situation necessitating direct heat mitigation measures should arise. If a tortoise has signs of hyperthermia monitors will take measures such as cooling the tortoise in an air conditioned vehicle, placing the tortoise in a basin of tepid water, or blockading a tortoise into a deep cool burrow. A Designated Biologist will be notified and consulted immediately if a tortoise exhibits signs of hyperthermia.

In addition to these precautionary measures and plans, biologists working in the pens spent the month of June digging new, deeper burrows for each of the penned tortoises. Each tortoise now has a man-made burrow constructed with Sonotube. Generally the Sonotube burrows are eight to ten feet in length and buried three to four vertical feet. The burrows appear to be working well and every penned tortoise has been using them.

Implementation of Data loggers to Measure Quarantine Pen Temperatures

Several measures were taken to conform to guidelines regarding temperature monitoring in the ISEGS quarantine pens prior to summer translocation of tortoises to the pens. These guidelines were first received the 6th of June and subsequently elaborated in the Biological Opinion on June 10th. The BO states that temperatures will be collected in "open desert habitat, habitat with shade structure, and habitat with shade and mister" and that these measurements should be taken two inches above the ground. Additionally, the BO states that data loggers should also be placed in burrows to document the range of temperatures available to the tortoises.

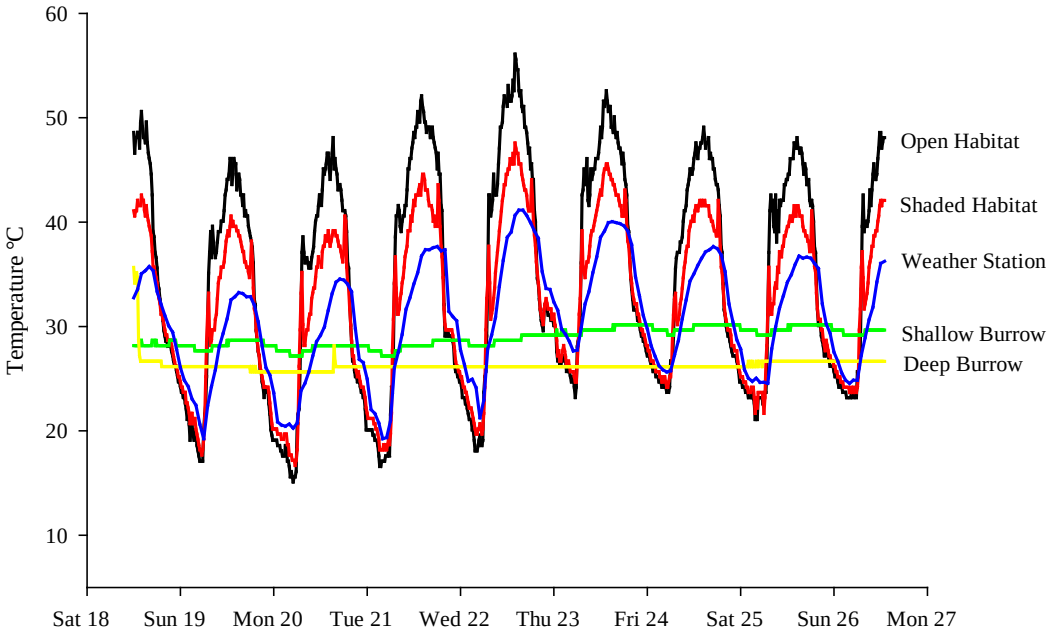
To monitor environmental temperatures, we placed a series of Thermocron iButtons (DS1922G, Dallas Semiconductor) in five of the holding pens. In each of these five pens, we placed one data logger in open habitat and one in the shaded habitat. Shaded habitat was constructed in these pens by running Sun Screen fabric (2x20m) along one side of the pen. Ibuttons were attached near the top of an eight inch plastic stake and sunk into the ground so that the final position of the button was two inches above the ground. A three-inch diameter semi-translucent cap was placed on top of the stake so that the iButton was not receiving direct sunlight. Because there has not been a need to employ misters as of yet, no data is available for this category.

Burrow temperatures were monitored by attaching an iButton to a flexible wire that was threaded down to the burrow terminus. The exposed end of the wire at the burrow entrance was folded and staked to the edge of the burrow to reduce the chance of it being pulled into the burrow. We initially placed four burrow temperature data loggers in burrows ranging from 0.3m x 0.2m (length x depth) to 1.3m x 0.5m. In addition, we placed four more data loggers in newly constructed burrows that are over three meters in length and one meter deep.

Except for four iButttons that where placed on June 18th (after construction of the deeper burrows), all iButtons were commissioned on June 11th 2011 and were set to record temperatures at 15-minute intervals. Data loggers where downloaded on the 26th of June, and the temperatures described below are thermal profiles from the 11th -26th. In addition to the iButton data loggers, we have also included data from the weather station set up at the holding pens (which is two meters from the ground surface).

Maximum open habitat temperatures average around 49°C and shaded temperatures 42°C . When comparing open habitat versus shaded habitat, there is on average a 7.5°C decrease in temperature in shaded areas. Burrow temperatures remained relatively constant throughout a 24-hour period, with shallow burrows averaging 29°C and deeper burrows even cooler at 27°C. Deeper burrows appear less susceptible than shallow burrows to the upward trend in surface temperatures (see figure below). The average daily difference between open surface temperatures and subterranean temperatures was about 20°C and that of shaded surface temperatures and subterranean temperatures about 12°C.

Since we are not currently monitoring environmental and burrow temperatures of wild tortoises, we cannot make direct comparisons between wild and pen temperatures. However, Zimmerman et al (1994) described burrow temperatures at the Desert Tortoise Conservation Center near Las Vegas and found temperatures ranging from 30.5-26.7°C in July-October. Thus, burrow temperatures in the ISEGS holding pens seem to fall within ecological range of the species.



Representative thermal profiles of open habitat, shaded habitat, weather station, shallow burrow and deep burrows during eight days in June. Shaded habitat decreases surface temperatures but shallow and deep burrows provide the only adequate refuge from extreme summer temperatures. Open and shaded habitat measured at 2 cm above surface and the weather station at 2 m above the surface.

Nesting Female Tortoises in the Quarantine Pens

Females nesting in the quarantine pens on the ISEGS site are being monitored in accordance with the permits stated above. Nest sites are being protected within each pen.

Ongoing Construction Monitoring and Surveys

Construction continues throughout the site. Ivanpah 1 continues to use two mowers and has added two Hercules machines for a total of six. Mowers are monitored by one biological monitor walking approximately 400 feet in front of the mower, searching vegetation for tortoises and other species (this is how juvenile tortoise BS178 was found.) Hercules equipment is monitored with one biological monitor per one to two pieces of equipment, walking and surveying the affected area. The Hercules move infrequently and slowly so that one biological monitor, in consultation with the equipment operators, can search the area prior to their changing position. An electrical transmission line running between the switchyard and Power Block 3 now extends to the west end of Colosseum Road. Clearance has begun for the areas near Colosseum Road, and the entire area is being monitored during construction. Monitoring efforts have also begun to support new fence installation in Ivanpah 3. After

clearance was completed in mid-June, Crown Fence began preparing the northern perimeter of Ivanpah 3 for fence installation that will continue throughout the summer. Several biological monitors worked with, and will continue to work with the Crown Fence crew on an as-needed basis.

Nesting Birds

As per COC BIO 15, pre-construction nest surveys are being conducted throughout the site. During the ISEGS pre-construction nest surveys and during incidental observations, a total of 210 active nests were located on or within 500 feet of the site. The species include: Bewicks Wren (BEWR), Black-tailed Gnatcatcher (BTGN), Black-throated Sparrow (BTSP), Cactus Wren (CACW), Common Raven (CORA), Golden Eagle (GOEA), Greater Roadrunner (GRRO), Horned Lark (HOLA), House Finch (HOFI), LeConte's Thrasher (LCTH), Lesser Nighthawk (LENI), Loggerhead Shrike (LOSH), Red-tailed Hawk (RTHA) and Verdin (VERD). See Table 2 for the nesting birds master list.

During the pre-construction nest surveys in June of 2011, 14 total nests were found of three different species.

- 1 LeConte's Thrasher (LCTH) nest
- 8 Black-throated Sparrow (BTSP) nests
- 5 Lesser Nighthawk (LENI) nests

At the beginning of June 43 total nests were active

- 1 Golden Eagle (GOEA) nest (see Figure 10 for the Golden Eagle nest location)
- 4 Common Raven (CORA) nest
- 3 Red-tailed Hawk (RTHA) nests
- 24 Black-throated Sparrow (BTSP) nests
- 6 Cactus Wren (CACW) Nests
- 1 Greater Roadrunner (GRRO) nest
- 2 LeConte's Thrasher (LCTH) nests
- 2 Lesser Nighthawk (LENI) nests

At the End of June five total nests were active

- 5 Lesser Nighthawk (LENI) nests

All active nests that were found within the project site boundaries, and within 250 feet adjacent to the outer boundaries of the site received a 250 foot buffer zone, with the exception of nests that were built within 250 feet of an existing road or an active construction site. In such instances that an active nest was found within 250 feet to an existing road or an active construction site then an appropriate buffer zone was determined by the Designated Biologist. If construction or construction related activities

occurred adjacent to the buffer zone or within 250 feet of an active nest then the nest was monitored by a biologist and necessary steps were taken to protect the nest from construction related disturbance. See figures 8 and 9 for current locations of nesting birds.

As per the California Department of Fish and Game (CDFG) a buffer of 250 feet has been established around all bird nests onsite with eggs or young (for any species other than birds of prey.) Birds of prey are addressed on a case by case basis and may require a larger buffer. Only nests of non-sensitive species are being dismantled, and only if there are no eggs or young in the nest.

As per COC BIO 16, concurrent with nesting bird surveys, pre-construction surveys are being conducted for burrowing owl in all areas scheduled for construction. With the exception of a single fly over during late winter no burrowing owls have been observed on site.

As per COC BIO 12, a raven population monitoring program was initiated in order to document the status of ravens on site and in the project area. There are currently no raven's nests on site.

Golden Eagle and Red-tailed Hawk Nests

The golden eagle nest (117GOEA) discovered on April 21, 2011 on an ENE facing cliff of the Clark Mountains three kilometers north of the Project site, is being monitored once a week for 30 minutes to assess the status of the nestling. The nest is being observed from about 250 meters away with a spotting scope. On June 17, the nestling was observed and appeared to be fine, even as construction resumed in power block 3. On June 24, the nestling appeared active, jumping in and out of the nest. The nest was visited for its weekly check on June 30 and neither the young nor the adults were observed. It appears that the eaglet fledged as it was not seen below the nest.

The red tail hawk nestling (144RTHA) has fledged, and was confirmed dispersed on June 24, 2011.

Other Animal Issues

In June a free roaming dog was found in Ivanpah 1 twice, and both times was induced to leave out through a gate. Both times the dog returned. The next time the dog is found on site it will be captured and taken to a local pound.

During the first week of June donkeys were found in Ivanpah 2 and 3, and were herded out through open portions of fence.

Other Species of Concern

A juvenile badger (approximately 90% of adult-size) was located within the Commons East area of the project site on the morning of June 30, 2011. Construction workers working in the area notified the Designated Biologist immediately. The badger was trapped by the Designated Biologist and transported off site to an area several kilometers northwest of the project site, where it was released. The badger was unharmed and scurried away immediately.

Literature Cited

Zimmerman, L.C, O'Connor, M.P., Bulova, S.J., Spotila, J.R., Kemp, S.J. and Salice, C.J. 1994. Thermal ecology of desert tortoises in the eastern Mojave Desert: Seasonal patterns of operative and body temperatures, and microhabitat utilization. Herpetological Monographs 8:45

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Table 1. Desert tortoise Master List for all Tortoises Encountered and Marked Between October 8, 2010 and June 30, 2011.

Tort ID	Initial Process Location (GIS)	Initial Process Location (Transmitter Form)	Pen #	Sex	MCL	Initial Process Date	Transmitter (Yes/No)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
BS01	Ivanpah 1	Recipient	4	Female	184	10/9/10	Yes	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS02	Ivanpah 1	Ivanpah 1	9	Male	264	10/9/10	Yes	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS03	Common East	Common Area		Female	227	10/10/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS04	Ivanpah 1	Common Area		Male	252	10/10/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS05	Ivanpah 2	Ivanpah 2		Male	216	10/10/10	Yes	Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2
BS06	Ivanpah 1	Ivanpah 1		Male	257	10/11/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS07	Common East	Common Area		Unknown	94	10/12/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS08	Recipient	Ivanpah 1		Female	209	10/12/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS09	Ivanpah 1	Ivanpah 1	11	Male	253	10/14/10	Yes	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS10	Recipient	Ivanpah 1		Male	277	10/14/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS11	Recipient	Recipient		Female	199	10/16/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS12	Recipient	Recipient		Female	209	10/16/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS13	Recipient	Recipient		Male	245	10/19/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS14	Recipient	Ivanpah 1	6	Female	224	10/19/10	Yes	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS15	Recipient	Common Area		Unknown	190	10/19/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS16	Recipient	Recipient		Female	224	10/19/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS17	Common East	Common Area	17	Unknown	116	10/20/10	Yes	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS18	Ivanpah 1	Ivanpah 1	34	Unknown	72	10/20/10	Yes	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS19	Recipient	Ivanpah 1		Unknown	118	10/21/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS20	Ivanpah 2	Ivanpah 2		Female	215	10/20/10	No	Mortally Injured; Euthenized at DTCC								
BS21	Ivanpah 1	Ivanpah 1		Female	241	10/21/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS22	Ivanpah 1	Ivanpah 1	7	Male	231	10/22/10	Yes	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS23	Recipient	Recipient		Female	242	10/23/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS24	Common West	Common Area		Male	184	10/25/10	Yes	Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2	MNP-Ivanpah 2	Ivanpah 2	Ivanpah 2

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Tort ID	Initial Process Location (GIS)	Initial Process Location (Transmitter Form)	Pen #	Sex	MCL	Initial Process Date	Transmitter (Yes/No)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
BS25	Ivanpah 1	Quarantine Pens	03	Unknown	173	10/26/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS26	Ivanpah 1	Quarantine Pens	17	Unknown	124	10/27/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS27	Common East	Quarantine Pens	15	Female	232	10/28/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS28	Ivanpah 1	Quarantine Pens	01	Female	217	10/28/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS29	Ivanpah 1	Quarantine Pens	02	Male	268	10/28/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS30	Recipient	Recipient		Male	243	10/29/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS31	Ivanpah 1	Quarantine Pens	20	Unknown	131	10/29/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS32	Ivanpah 1	Quarantine Pens	08	Male	250	10/29/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS33	Recipient	Recipient		Female	237	10/29/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BS34	Ivanpah 1	Quarantine Pens	05	Female	217	10/29/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS35	Ivanpah 1	Quarantine Pens	35	Unknown	149	10/29/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS36	Ivanpah 1	Quarantine Pens	33	Unknown	156	10/30/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS37	Ivanpah 2	Quarantine Pens	12	Male	244	10/30/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS38	Ivanpah 1	Quarantine Pens	13	Female	231	10/30/10	No	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS39	Ivanpah 1	Quarantine Pens	34	Unknown	67	11/1/10	No		Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS40	Ivanpah 1	Quarantine Pens	34	Unknown	79	11/1/10	No		Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS41	Ivanpah 1	Quarantine Pens	17	Unknown	123	11/1/10	No		Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS42	Ivanpah 1	Quarantine Pens	18	Unknown	57	12/17/10	No			Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS43	Ivanpah 1	Quarantine Pens	18	Unknown	53	12/20/10	No			Pens	Pens	Pens	Pens	Pens	Pens	Pens
BS44	Ivanpah 1	Ivanpah 1	10	Female	194	2/16/11	No					Pens	Pens	Pens	Pens	Pens
BS45	Recipient	Ivanpah 3		Female	223	3/5/11	Yes						Recipient	Recipient	Recipient	Recipient
BS46	Ivanpah 3	Ivanpah 3		Female	209	3/5/11	Yes						Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3
BS47	Ivanpah 3	Ivanpah 3	24	Female	242	3/8/11	Yes						Ivanpah 3	MNP-Pens	Pens	Pens
BS48	Ivanpah 2	Ivanpah 2	34	Unknown	86	3/9/11	No						Pens	Pens	Pens	Pens
BS49	Recipient	Ivanpah 3		Male	209	3/9/11	Yes						Recipient	Recipient	Recipient	Recipient
BS50	Ivanpah 3	Ivanpah 3		Male	202	3/11/11	Yes						Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3

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BS51	Ivanpah 3	Ivanpah 3		Male	234	3/11/11	Yes						Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3
BS52	Ivanpah 3	Ivanpah 3	14	Male	176	3/10/11	No						Pens	Pens	Pens	Pens
BS53	Common East	Common Area	18	Unknown	46	3/10/11	No						Pens	Pens	Pens	Pens
BS54	Ivanpah 3	Ivanpah 3	18	Unknown	47	3/12/11	No						Pens	Pens	Pens	Pens
BS55	Recipient	Recipient		Female	226	3/12/11	Yes						Recipient	Recipient	Recipient	Recipient
BS56	Recipient	Recipient		Male	236	3/14/11	Yes						Recipient	Recipient	Recipient	Recipient
BS57	Ivanpah 3	Recipient	28	Female	218	3/14/11	Yes						Ivanpah 3	Ivanpah 3	MNP-Pens	Pens
BS58	Ivanpah 3	Ivanpah 3		Unknown	138	3/15/11	Yes						Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3
BS59	Ivanpah 3	Ivanpah 3	43	Unknown	67	3/15/11	Yes						Ivanpah 3	Ivanpah 3	Pens	Pens
BS60	Recipient	Recipient		Unknown	173	3/15/11	Yes						Recipient	Recipient	Recipient	Recipient
BS61	Ivanpah 2	Ivanpah 2	25	Female	217	3/15/11	Yes						Ivanpah 2	MNP-Pens	MNP-Pens	Pens
BS62	Ivanpah 3	Ivanpah 3		Male	200	3/15/11	Yes						Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3
BS63	Ivanpah 3	Quarantine Pens	18	Unknown	40	3/16/11	No						Pens	Pens	Pens	Pens
BS64	Ivanpah 3	Ivanpah 3	31	Male	199	3/16/11	Yes						Ivanpah 3	Ivanpah 3	MNP-Pens	Pens
BS65	Recipient	Recipient		Female	210	3/16/11	Yes						Recipient	Recipient	Recipient	Recipient
BS66	Ivanpah 3	Ivanpah 3		Female	190	3/16/11	Yes						Ivanpah 3	MNP-Ivanpah 3	MNP-Ivanpah 3	Ivanpah 3
BS67	Ivanpah 2	Quarantine Pens	34	Unknown	71	3/16/11	No						Pens	Pens	Pens	Pens
BS68	Ivanpah 2	Ivanpah 2		Male	265	3/16/11	Yes						Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2
BS69	Recipient	Ivanpah 2		Male	251	3/16/11	Yes						Recipient	Recipient	Recipient	Recipient
BS70	Ivanpah 3	Ivanpah 3		Unknown	131	3/17/11	Yes						Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3
BS71	Ivanpah 3	Ivanpah 3	22	Female	216	3/17/11	Yes						Ivanpah 3	MNP-Pens	MNP-Pens	Pens
BS72	Ivanpah 2	Quarantine Pens	34	Unknown	57	3/21/11	No						Pens	Pens	Pens	Pens
BS73	Ivanpah 3	Ivanpah 3		Unknown	47	3/22/11	No						Deceased			
BS74	Recipient	Recipient		Male	176	3/22/11	Yes						Recipient	Recipient	Recipient	Recipient
BS75	Recipient	Ivanpah 3		Unknown	83	3/22/11	Yes						Recipient	Recipient	Recipient	Recipient

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Tort ID	Initial Process Location (GIS)	Initial Process Location (Transmitter Form)	Pen #	Sex	MCL	Initial Process Date	Transmitter (Yes/No)	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	June
BS76	Recipient	Recipient		Female	226	3/23/11	Yes						Recipient	Recipient	Recipient	Recipient
BS77	Ivanpah 2	Ivanpah 2	21	Female	228	3/23/11	Yes						Ivanpah 2	MNP-Pens	MNP-Pens	Pens
BS78	Recipient	Ivanpah 2		Male	248	3/28/11	Yes						Recipient	Recipient	Recipient	Recipient
BS79	Ivanpah 2	Ivanpah 2		Female	243	3/28/11	Yes						Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2
BS80	Recipient	Recipient		Male	255	3/28/11	Yes						Recipient	Recipient	Recipient	Recipient
BS81	Ivanpah 3	Ivanpah 3		Male	254	3/28/11	Yes						Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3
BS82	Ivanpah 3	Ivanpah 3		Male	217	3/28/11	Yes						Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3
BS83	Ivanpah 3	Ivanpah 3		Male	257	3/29/11	Yes						Ivanpah 3	Deceased		
BS84	Recipient	Recipient		Male	237	3/27/11	Yes						Recipient	Recipient	Recipient	Recipient
BS85	Ivanpah 3	Ivanpah 3		Unknown	136	3/30/11	Yes						Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3
BS86	Ivanpah 3	Ivanpah 3		Male	251	3/30/11	Yes						Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3
BS87	Ivanpah 3	Ivanpah 3		Unknown	72	3/30/11	Yes						Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3
BS88	Ivanpah 2	Ivanpah 2		Male	272	3/30/11	Yes						Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2
BS89	Recipient	Recipient		Male	250	3/30/11	Yes						Recipient	Recipient	Recipient	Recipient
BS90	Ivanpah 3	Ivanpah 3		Male	270	3/30/11	Yes						Ivanpah 3	Inj_DTCC		
BS91	Recipient	Ivanpah 3	29	Female	235	3/30/11	Yes						Recipient	Recipient	MNP-Pens	Pens
BS92	Ivanpah 2	Ivanpah 2		Male	269	3/31/11	Yes						Ivanpah 2	Ivanpah 2	Ivanpah 2	Ivanpah 2
BS93	Ivanpah 3	Ivanpah 3		Male	292	3/31/11	Yes						Ivanpah 3	Ivanpah 3	Ivanpah 3	Ivanpah 3
BS94	Ivanpah 3	Ivanpah 3		Female	211	3/31/11	Yes						Ivanpah 3	MNP-Ivanpah 3	MNP-Ivanpah 3	Ivanpah 3
BS95	Ivanpah 3	Ivanpah 3	23	Female	245	3/31/11	Yes						Ivanpah 3	MNP-Pens	MNP-Pens	Pens
BS96	Recipient	Recipient		Female	213	3/31/11	Yes						Recipient	Recipient	Recipient	Recipient
BS97	Ivanpah 3	Ivanpah 3		Male	203	4/1/11	Yes							Ivanpah 3	Ivanpah 3	Ivanpah 3
BS98	Recipient	Ivanpah 3		Unknown	102	4/1/11	Yes							Recipient	Recipient	Recipient
BS99	Ivanpah 3	Ivanpah 3		Unknown	157	4/2/11	Yes							Ivanpah 3	Ivanpah 3	Ivanpah 3
BI100	Ivanpah 1	Recipient		Male	249	10/12/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient

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BI101	Recipient	Ivanpah Multiple Areas		Male	273	10/14/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BI102	Recipient	Recipient		Male	270	10/14/10	Yes	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient	Recipient
BI103	Ivanpah 1	Recipient	16	Male	246	10/15/10	Yes	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens	Pens
BI104	Recipient	Recipient		Male	265	10/15/10	Yes	Deceased								
BS105	Recipient	Recipient		Male	253	4/2/11	Yes							Recipient	Recipient	Recipient
BS106	Recipient	Ivanpah 3	32	Unknown	68	4/2/11	No							Pens	Pens	Pens
BS107	Recipient	Recipient		Female	232	4/2/11	Yes							Recipient	Recipient	Recipient
BS108	Recipient	Recipient		Male	264	4/2/11	Yes							Recipient	Recipient	Recipient
BS109	Recipient	Recipient		Male	267	4/3/11	Yes							Recipient	Recipient	Recipient
BS110	Ivanpah 3	Ivanpah 3		Male	270	4/3/11	Yes							Ivanpah 3	Ivanpah 3	Ivanpah 3
BS111	Recipient	Recipient		Female	227	4/3/11	Yes							Recipient	Recipient	Recipient
BS112	Common West	Quarantine Pens	18	Unknown	44	4/4/11	No							Pens	Pens	Pens
BS113	Recipient	Recipient		Male	230	4/4/11	Yes							Recipient	Recipient	Recipient
BS114	Ivanpah 3	Ivanpah 3		Male	272	4/5/11	Yes							Ivanpah 3	Ivanpah 3	Ivanpah 3
BS115	Ivanpah 3	Ivanpah 3	32	Unknown	64	4/5/11	No							Pens	Pens	Pens
BS116	Ivanpah 3	Ivanpah 3		Female	190	4/6/11	Yes							Ivanpah 3	Ivanpah 3	Ivanpah 3
BS117	Ivanpah 2	Ivanpah 2		Male	231	4/6/11	Yes							Ivanpah 2	Ivanpah 2	Ivanpah 2
BS118	Recipient	Ivanpah 3		Unknown	121	4/10/11	Yes							Deceased		
BS119	Recipient	Recipient		Unknown	57	4/10/11	No							Recipient-NT	Recipient-NT	Recipient-NT
BS120	Recipient	Recipient		Male	263	4/11/11	Yes							Recipient	Recipient	Recipient
BS121	Recipient	Recipient		Male	246	4/12/11	Yes							Recipient	Recipient	Recipient
BS122	Ivanpah 3	Ivanpah 3		Female	194	4/12/11	Yes							Recipient	Recipient	Recipient
BS123	Ivanpah 1	Ivanpah 1	32	Unknown	57	4/13/11	No							Pens	Pens	Pens
BS124	Recipient	Recipient		Male	235	4/13/11	Yes							Recipient	Recipient	Recipient
BS125	Recipient	Recipient		Male	252	4/14/11	Yes							Recipient	Recipient	Recipient
BS126	Recipient	Recipient Site		Female	232	4/15/11	Yes							Recipient	Recipient	Recipient

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BS127	Recipient	Recipient Site		Female	248	4/15/11	Yes							Recipient	Recipient	Recipient
BS128	Recipient	Recipient		Male	207	4/15/11	Yes							Recipient	Recipient	Recipient
BS129	Recipient	Recipient Site		Male	295	4/16/11	Yes							Recipient	Recipient	Recipient
BS130	Recipient	Recipient Site		Male	245	4/17/11	Yes							Recipient	Recipient	Recipient
BS131	Recipient	Recipient Site		Male	274	4/18/11	Yes							Recipient	Recipient	Recipient
BS132	Recipient	Recipient Site		Female	205	4/19/11	Yes							Recipient	Recipient	Recipient
BS133	Recipient	Recipient Site		Female	210	4/20/11	Yes							Recipient	Recipient	Recipient
BS134	Recipient	Recipient Site		Female	228	4/21/11	Yes							Recipient	Recipient	Recipient
BS135	Recipient	Recipient Site		Male	196	4/21/11	Yes							Recipient	Recipient	Recipient
BS136	Recipient	Recipient Site		Female	228	4/21/11	Yes							Recipient	Recipient	Recipient
BS137	Recipient	Recipient Site		Female	227	4/21/11	Yes							Recipient	Recipient	Recipient
BS138	Recipient	Recipient Site		Female	216	4/23/11	Yes							Recipient	Recipient	Recipient
BS139	Recipient	Recipient Site		Male	266	4/24/11	Yes							Recipient	Recipient	Recipient
BS140	Recipient	Recipient Site		Female	203	4/24/11	Yes							Recipient	Recipient	Recipient
BS141	Recipient	Recipient Site	36	Unknown	200	4/24/11	Yes							Ivanpah 2	Ivanpah 2	Pens
BS142	Recipient	Recipient Site		Male	244	4/24/11	Yes							Recipient	Recipient	Recipient
BS143	Recipient	Recipient Site		Male	219	4/24/11	Yes							Recipient	Recipient	Recipient
BS144	Recipient	Recipient Site		Female	204	4/24/11	Yes							Recipient	Recipient	Recipient
BS145	Recipient	Recipient Site		Male	284	4/24/11	Yes							Recipient	Recipient	Recipient
BS146	Recipient	Recipient Site		Female	213	4/25/11	Yes							Recipient	Recipient	Recipient
BS147	Recipient	Recipient Site		Male	270	4/25/11	Yes							Recipient	Recipient	Recipient
BS148	Recipient	Recipient Site		Male	261	4/25/11	Yes							Recipient	Recipient	Recipient
BS149	Recipient	Recipient Site		Male	253	4/25/11	Yes							Recipient	Recipient	Recipient
BS150	Recipient	Recipient Site		Female	208	4/25/11	Yes							Recipient	Recipient	Recipient
BS151	Recipient	Recipient Site		Male	247	4/26/11	Yes							Recipient	Recipient	Recipient
BS152	Recipient	Recipient Site		Male	272	4/26/11	Yes							Recipient	Recipient	Recipient

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BS153	Recipient	Recipient Site		Female	237	4/26/11	Yes							Recipient	Recipient	Recipient
BS154	Recipient	Recipient Site		Female	233	4/26/11	Yes							Recipient	Recipient	Recipient
BS155	Recipient	Recipient Site		Male	264	4/26/11	Yes							Recipient	Recipient	Recipient
BS156	Recipient	Recipient Site		Female	198	4/26/11	Yes							Recipient	Recipient	Recipient
BS157	Ivanpah 2	Quarantine Pens	45	Unknown	142	4/26/11	No							Pens	Pens	Pens
BS158	Recipient	Recipient Site		Female	213	4/27/11	Yes							Recipient	Recipient	Recipient
BS159	Recipient	Recipient Site		Female	248	4/27/11	Yes							Recipient	Recipient	Recipient
BS160	Recipient	Recipient Site		Male	252	4/27/11	Yes							Recipient	Recipient	Recipient
BS161	Recipient	Recipient Site		Male	227	4/28/11	Yes							Recipient	Recipient	Recipient
BS162	Recipient	Recipient Site		Female	231	4/28/11	Yes							Recipient	Recipient	Recipient
BS163	Recipient	Recipient Site		Male	201	4/28/11	Yes							Recipient	Recipient	Recipient
BS164	Recipient	Recipient Site		Male	315	4/28/11	Yes							Recipient	Recipient	Recipient
BS165	Recipient	Recipient Site		Male	251	4/28/11	Yes							Recipient	Recipient	Recipient
BS166	Recipient	Recipient Site		Female	243	4/29/11	Yes							Recipient	Recipient	Recipient
BS167	Recipient	Recipient Site		Male	269	4/29/11	Yes							Recipient	Recipient	Recipient
BS168	Recipient	Recipient Site		Female	239	4/29/11	Yes							Recipient	Recipient	Recipient
BS169	Recipient	Recipient Site		Male	208	4/29/11	Yes							Recipient	Recipient	Recipient
BS170	Recipient	Recipient Site		Female	213	4/29/11	Yes							Recipient	Recipient	Recipient
BS171	Recipient	Recipient Site		Male	254	4/29/11	Yes							Recipient	Recipient	Recipient
BS172	Recipient	Recipient Site		Male	225	4/29/11	Yes							Recipient	Recipient	Recipient
BS173	Ivanpah 2	Quarantine Pens	27	Female	217	4/23/11	No							MNP-Pens	MNP-Pens	Pens
BS174	Ivanpah 1	Quarantine Pens	32	Unknown	59	5/12/11	No								Pens	Pens
BS175	Ivanpah 1	Quarantine Pens	32	Unknown	62	5/12/11	No								Pens	Pens
BS176	Ivanpah 3	Ivanpah 3	26	Female	228	5/19/11	No								MNP-Pens	Pens
BS177	Ivanpah 2	Ivanpah 2	30	Female	236	5/21/11	No								MNP-Pens	Pens
BS178	Ivanpah 1	Ivanpah 1	43	Unknown	46	6/9/11	No									Pens

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BS179	Ivanpah 3	Ivanpah 3	46	Unknown	122	6/11/11	No									Pens
BS500	Control Site	Control Site		Female	243	3/31/11	Yes						Control	Control	Control	Control
BS501	Control Site	Control Site		Female	189	4/1/11	Yes							Control	Control	Control
BS502	Control Site	Control Site		Female	217	4/1/11	Yes							Control	Control	Control
BS503	Control Site	Control Site		Male	238	4/1/11	Yes							Control	Control	Control
BS504	Control Site	Control Site		Female	198	4/1/11	Yes							Control	Control	Control
BS505	Control Site	Control Site		Male	213	4/1/11	Yes							Control	Control	Control
BS506	Control Site	Control Site		Male	252	4/1/11	Yes							Control	Control	Control
BS507	Control Site	Control Site		Female	221	4/1/11	Yes							Control	Control	Control
BS508	Control Site	Control Site		Male	237	4/1/11	Yes							Control	Control	Control
BS509	Control Site	Control Site		Unknown	169	4/1/11	Yes							Control	Control	Control
BS510	Control Site	Control Site		Male	256	4/1/11	Yes							Control	Control	Control
BS511	Control Site	Control Site		Female	221	4/1/11	Yes							Control	Control	Control
BS512	Control Site	Control Site		Male	272	4/1/11	Yes							Control	Control	Control
BS513	Control Site	Control Site		Female	225	4/1/11	Yes							Control	Control	Control
BS514	Control Site	Control Site		Unknown	158	4/2/11	Yes							Control	Control	Control
BS515	Control Site	Control Site		Female	213	4/2/11	Yes							Control	Control	Control
BS516	Control Site	Control Site		Unknown	48	4/2/11	No							Control-NT	Control-NT	Control-NT
BS517	Control Site	Control Site		Male	220	4/2/11	Yes							Control	Control	Control
BS518	Control Site	Control Site		Unknown	122	4/2/11	Yes							Control	Control	Control
BS519	Control Site	Control Site		Female	206	4/2/11	Yes							Control	Control	Control
BS520	Control Site	Control Site		Unknown	130	4/2/11	Yes							Control	Control	Control
BS521	Control Site	Control Site		Unknown	137	4/2/11	Yes							Control	Control	Control
BS522	Control Site	Control Site		Male	269	4/2/11	Yes							Control	Control	Control
BS523	Control Site	Control Site		Female	225	4/2/11	Yes							Control	Control	Control
BS524	Control Site	Control Site		Male	257	4/2/11	Yes							Control	Control	Control

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BS525	Control Site	Control Site		Unknown	49	4/2/11	No							Control-NT	Control-NT	Control-NT
BS526	Control Site	Control Site		Unknown	88	4/2/11	No							Control-NT	Control-NT	Control-NT
BS527	Control Site	Control Site		Female	202	4/2/11	Yes							Control	Control	Control
BS528	Control Site	Control Site		Unknown	65	4/2/11	No							Control-NT	Control-NT	Control-NT
BS529	Control Site	Control Site		Male	233	4/2/11	Yes							Control	Control	Control
BS530	Control Site	Control Site		Female	205	4/2/11	Yes							Control	Control	Control
BS531	Control Site	Control Site		Female	203	4/2/11	Yes							Control	Control	Control
BS532	Control Site	Control Site		Female	203	4/2/11	Yes							Control	Control	Control
BS533	Control Site	Control Site		Female	200	4/2/11	Yes							Control	Control	Control
BS534	Control Site	Control Site		Male	226	4/2/11	Yes							Control	Control	Control
BS535	Control Site	Control Site		Male	238	4/2/11	Yes							Control	Control	Control
BS536	Control Site	Control Site		Unknown	122	4/2/11	Yes							Control	Control	Control
BS537	Control Site	Control Site		Male	236	4/3/11	Yes							Control	Control	Control
BS538	Control Site	Control Site		Female	216	4/3/11	Yes							Control	Control	Control

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Table 2. ISEGS Nesting Bird Master List.

Nest ID	Species	Nest Substrate	UTM Easting	UTM Northing	Location	Date Found	Initial Status	Est. Hatch Date	Est. Fledge Date	Date Inactive
001LCTH	LeConte's Thrasher	O. acanthocarpa	638020	3935063	I2 - S. fence	2/17/11	4 eggs	2/18-3/8/11	3/8 - 3/24/11	3/22/11
002LCTH	LeConte's Thrasher	O. acanthocarpa	637978	3937123	I2 - N. end of helio	2/18/11	3 eggs	2/19-3/9/11	3/9 - 3/25/11	3/12/11
003LCTH	LeConte's Thrasher	O. acanthocarpa	641122	3933812	I1 - Sector B	2/19/11	3 eggs	2/20-3/10/11	3/10 - 3/26/11	3/24/11
004LCTH	LeConte's Thrasher	O. acanthocarpa	640700	3932635	I1 - Outside S. fence	2/21/11	3 eggs	2/22-3/12/11	3/12 - 4/4/11	3/28/11
005CACW	Cactus Wren	O. acanthocarpa	636194	3937284	I3 - W. fence	2/24/11	1 nestling		3/10 - 3/16/11	3/11/11
006LCTH	LeConte's Thrasher	O. acanthocarpa	636624	3937527	I3 - SE of L. Hill	2/24/11	4 eggs	2/25-3/15/11	3/15 - 4/7/11	3/24/11
007LOSH	Loggerhead Shrike	Acacia/Lycium	638863	3934065	Common W. - outside	2/25/11	0 eggs	3/13-3/17/11	3/29 - 4/6/11	4/21/11
008LCTH	LeConte's Thrasher	O. acanthocarpa	637805	3935985	I2 - near BLM 198	3/1/11	3 eggs	3/2-3/20/11	3/20 - 4/5/11	3/29/11
009CACW	Cactus Wren	O. acanthocarpa	637715	3936195	I2 - W. fence	3/2/11	2+ eggs	3/24-3/28/11	4/14 - 4/18/11	4/18/11
010CACW	Cactus Wren	O. acanthocarpa	637724	3936969	I2 - W. fence	3/2/11	4 eggs	3/15-3/18/11	4/5 - 4/8/11	4/7/11
011LCTH	LeConte's Thrasher	O. echinocarpa	638824	3938535	I3 - E. fence	3/3/11	2 eggs	3/14-3/16/11	4/1 - 4/9/11	4/7/11
012LCTH	LeConte's Thrasher	O. acanthocarpa	638175	3938340	I3 - E. spoke rd.	3/3/11	2 nestlings		3/21 - 3/26/11	3/22/11
013GRRO	Greater Roadrunner	O. acanthocarpa	637309	3938293	I3 - W. of N. Spoke Rd.	3/4/11	3 eggs	3/21-3/26/11	4/5 - 4/13/11	4/5/11
014CACW	Cactus Wren	O. acanthocarpa	636550	3936665	I3 - SW fence corner	3/5/11	3 eggs	3/6-3/22/11	3/26 - 4/11/11	4/7/11
015VERD	Verdin	O. acanthocarpa	636473	3937736	I3 - S. tip of L. Hill	3/5/11	0 eggs		4/28 - 5/18/11	5/12/11
016LOSH	Loggerhead Shrike	Yucca schidigera	637058	3936744	I3 - S. fence	3/8/11	1 egg	3/25-3/29/11	4/14 - 4/20/11	4/21/11
017LCTH	LeConte's Thrasher	O. echinocarpa	639371	3935774	I2 - Helio field	3/10/11	3 nestlings		3/11 - 3/26/11	3/24/11
018CACW	Cactus Wren	O. acanthocarpa	637412	3938949	I3 - N. fence	3/10/11	3+ eggs	3/11-3/27/11	3/31 - 4/16/11	4/12/11
019CACW	Cactus Wren	O. acanthocarpa	638469	3936088	I2 - N. Spoke Rd.	3/13/11	1+ eggs	3/14-3/30/11	4/3 - 4/19/11	3/23/11
020BTSP	Black-throated Sparrow	O. echinocarpa	638110	3938071	I3 - S. of E. Spoke Rd.	3/14/11	0 eggs	3/26-3/29/11	4/4 - 4/7/11	4/4/11
021LOSH	Loggerhead Shrike	Yucca schidigera	637505	3938491	I3 - N. Spoke Rd.	3/15/11	5 eggs	3/16-3/30/11	4/5 - 4/19/11	3/31/11
022CACW	Cactus Wren	O. acanthocarpa	637798	3937589	Powerblock 3	3/15/11	2 eggs	3/16-4/1/11	4/5 - 4/21/11	4/27/11
023CACW	Cactus Wren	O. acanthocarpa	638379	3934938	500m W. of tort pens	3/21/11	1 nestling		3/24 - 3/27/11	4/11/11
024BEWR	Bewick's Wren	Yucca schidigera	636930	3937821	I3 - S. windrow	3/21/11	5 eggs	3/23 - 4/4/11	4/5 - 4/17/11	4/14/11
025BTSP	Black-throated Sparrow	O. echinocarpa	638668	3938415	I3 - S. side of E. Spoke Rd.	3/23/11	1 egg	4/4 - 4/6/11	4/13 - 4/15/11	4/21/11
026HOLA	Horned Lark	Ground	640832	3933938	I1 sector A - 3ft. Off of road	3/23/11	3 eggs	3/24 - 4/5/11	4/4 - 4/16/11	4/12/11
027CACW	Cactus Wren	O. acanthocarpa	640894	3927329	I-15 flagging in Creosote 15m due N.	3/23/11	3 nestlings		4/5 - 4/8/11	5/4/11

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Nest ID	Species	Nest Substrate	UTM Easting	UTM Northing	Location	Date Found	Initial Status	Est. Hatch Date	Est. Fledge Date	Date Inactive
028HOLA	Horned Lark	Ground	641893	3930538	I-15 flagging in Creosote 20m due N.	3/23/11	3 eggs	3/24 - 4/5/11	4/4 - 4/16/11	5/4/11
029BTSP	Black-throated Sparrow	O. echinocarpa	642136	3931427	I - 15	3/23/11	3 eggs	3/24 - 4/3/11	4/2 - 4/13/11	5/4/11
030LCTH	LeConte's Thrasher	O. acanthocarpa	636945	3938794	I3 - NE corner of I3	3/24/11	4 nestlings		3/31 - 4/3/11	4/5/11
031BTSP	Black-throated Sparrow	O. echinocarpa	640635	3932635	I1 - with in old 004LCTH buffer	3/28/11	3 eggs	3/29 - 4/9/11	4/8 - 4/19/11	4/19/11
032BTSP	Black-throated Sparrow	Ambrosia dumosa	636474	3936803	I3 - SW corner of I3	3/29/11	3 eggs	3/30 - 4/10/11	4/9 - 4/20/11	4/20/11
033CACW	Cactus Wren	O. acanthocarpa	638310	3936152	I2 - NW of Power Block	3/29/11	1+ eggs	3/30 - 4/15/11	4/18 - 5/5/11	4/26/11
034BTSP	Black-throated Sparrow	O. ramossissima	641128	3932859	I1 - SE Corner	3/30/11	3 eggs	3/31 - 4/11/11	4/10 - 4/21/11	4/4/11
035BTSP	Black-throated Sparrow	Ambrosia dumosa	639469	3935725	I2 - E. Spoke Rd. far E. side	4/1/11	1 egg	4/14 - 4/16/11	4/24 - 4/26/11	4/19/11
036BTSP	Black-throated Sparrow	O. echinocarpa	639583	3935930	I2 - E. Spoke Rd. near E. fence	4/1/11	4 eggs	4/2 - 4/12/11	4/12 - 4/22/11	4/19/11
037BTSP	Black-throated Sparrow	O. ramossissima	637605	3937435	I3 - E. of powerblock 3 Rd.	4/2/11	1 egg	4/15 - 4/17/11	4/25 - 4/27/11	5/12/11
038BTSP	Black-throated Sparrow	O. echinocarpa	641048	3934403	I1 - NE corner	4/2/11	3 eggs	4/3 - 4/15/11	4/13 - 4/25/11	4/20/11
039BTSP	Black-throated Sparrow	Ambrosia dumosa	641184	3934390	I1 - NE corner	4/4/11	3 eggs	4/5 - 4/17/11	4/15 - 4/27/11	4/20/11
040BTSP	Black-throated Sparrow	Ambrosia dumosa	636546	3938236	I3 - near BLM road and W. fence line	4/4/11	3 eggs	4/5 - 4/17/11	4/15 - 4/27/11	4/20/11
041BTSP	Black-throated Sparrow	Ambrosia dumosa	639926	3934425	I1 - NW corner	4/4/11	3 eggs	4/5 - 4/17/11	4/15 - 4/27/11	4/4/11
042BTSP	Black-throated Sparrow	O. echinocarpa	637740	3935882	I2 - W. side	4/4/11	3 hatchlings		4/10 - 4/14/11	4/19/11
043BTSP	Black-throated Sparrow	O. echinocarpa	637949	3936072	I2 - W. side	4/4/11	3 eggs	4/5 - 4/17/11	4/15 - 4/27/11	4/25/11
044BTSP	Black-throated Sparrow	O. ramossissima	637958	3936625	I2 - w. side	4/4/11	3eggs	4/5 - 4/17/11	4/15 - 4/27/11	4/19/11
045BTSP	Black-throated Sparrow	O. echinocarpa	641297	3933052	I1 - SE Corner	4/4/11	3 eggs	4/5 - 4/17/11	4/15 - 4/27/11	4/25/11
046BTSP	Black-throated Sparrow	O. echinocarpa	639644	3936489	I2	4/4/11	2 eggs	4/15 - 4/18/11	4/25 - 4/28/11	4/25/11
047HOFI	House Finch	O. echinocarpa	639646	3936205	I2	4/4/11	4 eggs	4/5 - 4/19/11	4/19 - 5/5/11	4/19/11
048HOFI	House Finch	O. echinocarpa	639589	3936405	I2	4/4/11	4 eggs	4/5 - 4/19/11	4/19 - 5/5/11	4/19/11
049BTSP	Black-throated Sparrow	O. echinocarpa	639543	3936291	I2	4/4/11	1+ eggs	4/5 - 4/20/11	4/15 - 4/30/11	4/19/11
050BTSP	Black-throated Sparrow	O. echinocarpa	639468	3936498	I2	4/4/11	4 eggs	4/5 - 4/17/11	4/15 - 4/27/11	4/20/11
051BTSP	Black-throated Sparrow	O. echinocarpa	639413	3935585	I2	4/4/11	4 eggs	4/5 - 4/17/11	4/15 - 4/27/11	4/19/11
052BTSP	Black-throated Sparrow	O. ramossissima	637210	3938019	I3 - Powerblock	4/10/11	unknown	4/11 - 4/23/11	4/21 - 5/3/11	4/27/11
053BTSP	Black-throated Sparrow	Ambrosia dumosa	637208	3937750	I3 - Powerblock	4/10/11	3eggs	4/11 - 4/23/11	4/21 - 5/3/11	4/20/11
054BTSP	Black-throated Sparrow	O. echinocarpa	637986	3935057	I2 - 10 feet from S. fence Rd.	4/5/11	1 egg	4/17 - 4/20/11	4/27 - 4/30/11	4/11/11
055BTSP	Black-throated Sparrow		639342	3936420	I2	4/5/11	2 eggs	4/16 - 4/19/11	4/26 - 4/29/11	5/12/11

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056BTSP	Black-throated Sparrow	O. echinocarpa	638085	3936462	I2	4/5/11	3 eggs	4/6 - 4/18/11	4/16 - 4/28/11	4/20/11
057BTSP	Black-throated Sparrow	O. ramosissima	638098	3936830	I2	4/5/11	3 eggs	4/6 - 4/18/11	4/16 - 4/28/11	4/19/11
058BTSP	Black-throated Sparrow	Ambrosia dumosa	638152	3937172	I2	4/5/11	1 egg	4/17 - 4/20/11	4/27 - 4/30/11	4/21/11
059BTSP	Black-throated Sparrow	O. ramosissima	638118	3936247	I2	4/5/11	1 egg	4/17 - 4/20/11	4/27 - 4/30/11	4/20/11
060HOFI	House Finch	O. echinocarpa	638133	3935776	I2	4/5/11	5 eggs	4/6 - 4/20/11	4/20 - 5/6/11	4/19/11
061HOFI	House Finch	O. echinocarpa	638116	3935427	I2	4/5/11	5 eggs	4/6 - 4/20/11	4/20 - 5/6/11	5/12/11
062BTSP	Black-throated Sparrow	O. ramosissima	638123	3935212	I2	4/5/11	1+ eggs	4/6 - 4/20/11	4/16 - 4/30/11	4/25/11
063BTSP	Black-throated Sparrow	O. echinocarpa	638231	3936399	I2	4/5/11	3 nestlings		4/12 - 4/15/11	4/20/11
064BTSP	Black-throated Sparrow	O. echinocarpa	638199	3935835	I2	4/5/11	1+ eggs	4/6 - 4/20/11	4/16 - 4/30/11	4/19/11
065BTSP	Black-throated Sparrow	O. echinocarpa	638200	3935600	I2	4/5/11	1+ eggs	4/6 - 4/20/11	4/16 - 4/30/11	4/19/11
066HOFI	House Finch	O. echinocarpa	636913	3937205	I3 - N. of the S. fenceline	4/5/11	3 eggs	4/18 - 4/21/11	5/2 - 5/7/11	5/12/11
067BTSP	Black-throated Sparrow	O. echinocarpa	639204	3935790	I2	4/5/11	1 egg	4/17 - 4/20/11	4/27 - 4/30/11	5/12/11
068BTSP	Black-throated Sparrow	Ambrosia dumosa	639032	3936890	I2	4/6/11	3 eggs	4/7 - 4/19/11	4/17 - 4/29/11	5/12/11
069BTSP	Black-throated Sparrow	O. ramosissima	638820	3935706	I2	4/6/11	3 eggs	4/7 - 4/19/11	4/17 - 4/29/11	5/12/11
070BTSP	Black-throated Sparrow	Larrea tridentata	638719	3935584	I2	4/6/11	4 eggs	4/7 - 4/19/11	4/17 - 4/29/11	4/19/11
071LCTH	LeConte's Thrasher	O. echinocarpa	637899	3937468	I3 - E. of powerblock 3 Rd.	4/6/11	1 egg	4/20 - 4/26/11	5/4 - 5/14/11	4/27/11
072BTSP	Black-throated Sparrow	O. acanthocarpa	638247	3936727	I2	4/6/11	3 eggs	4/7 - 4/19/11	4/17 - 4/29/11	4/20/11
073CACW	Cactus Wren	O. acanthocarpa	638308	3937036	I2	4/6/11	2+ nestlings		4/8 - 4/12/11	4/27/11
074HOFI	House Finch	O. echinocarpa	638382	3935781	I2	4/6/11	3 eggs	4/19 - 4/22/11	5/3 - 5/8/11	5/12/11
075LCTH	LeConte's Thrasher	O. acanthocarpa	638392	3936820	I2	4/6/11	0 eggs	4/21 - 4/28/11	5/5 - 5/16/11	5/24/11
076LCTH	LeConte's Thrasher	O. echinocarpa	637386	3938194	I3 - Powerblock	4/10/11	4 eggs	4/11 - 4/29/11	4/24 - 5/17/11	5/9/11
077BTSP	Black-throated Sparrow	O. ramosissima	638853	3936947	I2	4/10/11	3 eggs	4/11 - 4/23/11	4/21 - 5/3/11	4/25/11
078BTSP	Black-throated Sparrow	O. echinocarpa	638848	3937084	I2	4/10/11	3 eggs	4/11 - 4/23/11	4/21 - 5/3/11	4/20/11
079BTSP	Black-throated Sparrow	O. ramosissima	637768	3937343	I3 - Powerblock 3 rd.	4/7/11	2 eggs	4/18 - 4/21/11	4/28 - 5/1/11	4/25/11
080BTSP	Black-throated Sparrow	O. echinocarpa	638459	3935804	I2 - Powerblock 2	4/11/11	4 eggs	4/12 - 4/24/11	4/22 - 5/4/11	4/18/11
081BTSP	Black-throated Sparrow	O. ramosissima	639707	3936637	I2 - 15 ft. off of silt fence	4/11/11	3 eggs	4/12 - 4/24/11	4/22 - 5/4/11	4/25/11
082BTGN	Black-tailed Gnatcatcher	O. ramosissima	637219	3937695	I3 - NW of powerblock	4/11/11	4 eggs	4/21 - 4/25/11	4/30 - 5/10/11	5/12/11
083LCTH	LeConte's Thrasher	O. ramosissima	638081	3937284	I2 - NW corner	4/11/11	1+ eggs	4/25 - 4/29/11	5/9 - 5/18/11	5/24/11
084BTSP	Black-throated Sparrow	O. echinocarpa	638856	3938996	I3 - NE corner	4/11/11	3 eggs	4/12 - 4/24/11	4/22 - 5/4/11	5/12/11

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Nest ID	Species	Nest Substrate	UTM Easting	UTM Northing	Location	Date Found	Initial Status	Est. Hatch Date	Est. Fledge Date	Date Inactive
085BTSP	Black-throated Sparrow	Ambrosia dumosa	640896	3934343	I1 - NE corner	4/11/11	3eggs	4/12 - 4/24/11	4/22 - 5/4/11	5/5/11
086BTSP	Black-throated Sparrow	Ambrosia dumosa	641103	3934273	I1 - NE corner	4/11/11	3 eggs	4/12 - 4/24/11	4/22 - 5/4/11	4/20/11
087BTSP	Black-throated Sparrow	Ambrosia dumosa	641269	3933466	I1 - Sector B	4/12/11	4 eggs	4/13 - 4/25/11	4/23 - 5/5/11	4/25/11
088BTSP	Black-throated Sparrow	Ambrosia dumosa	638008	3938505	I3	4/12/11	1 hatchling		4/21 - 4/22/11	4/21/11
089BTSP	Black-throated Sparrow	Ambrosia dumosa	641254	3934036	I1 - Sector B	4/12/11	3 eggs	4/13 - 4/25/11	4/23 - 5/5/11	4/19/11
090BTSP	Black-throated Sparrow	Ambrosia dumosa	637577	3937562	I3 - Powerblock 3 rd.	4/13/11	3 eggs	4/14 - 4/26/11	4/24 - 5/6/11	4/25/11
091HOLA	Horned Lark	Ground	641246	3933927	I1 - Sector B	4/13/11	3 nestlings		4/22 - 4/25/11	4/25/11
092BTSP	Black-throated Sparrow	O. echinocarpa	641085	3932857	I1 - Sector C	4/13/11	3 eggs	4/14 - 4/26/11	4/24 - 5/6/11	5/5/11
093BTSP	Black-throated Sparrow		639764	3935286	Coloseum Rd.	4/13/11	3 eggs	4/14 - 4/26/11	4/24 - 5/6/11	4/25/11
094BTSP	Black-throated Sparrow	O. echinocarpa	637878	3937045	I2	4/14/11	4 eggs	4/15 - 4/27/11	4/25 - 5/7/11	4/25/11
095CACW	Cactus Wren		638970	3934699	Common West	4/14/11	Nestlings		4/15 - 5/5/11	5/4/11
096BTSP	Black-throated Sparrow	Ambrosia dumosa	639375	3933215	I1	4/14/11	4 eggs	4/15 - 4/27/11	4/25 - 5/7/11	5/3/11
097BTSP	Black-throated Sparrow	O. echinocarpa	640813	3932735	I1	4/14/11	4 eggs	4/15 - 4/27/11	4/25 - 5/7/11	5/2/11
098BTSP	Black-throated Sparrow	Ambrosia dumosa	638948	3936501	I3 - NE	4/16/11	3 eggs	4/17 - 4/29/11	4/27 - 5/9/11	5/12/11
099BTSP	Black-throated Sparrow	Ambrosia dumosa	639345	3936121	I2	4/16/11	3 eggs	4/17 - 4/29/11	4/27 - 5/9/11	5/12/11
100LCTH	LeConte's Thrasher	O. acanthocarpa	640776	3931913	Recipient Site	4/24/11	4 eggs	4/25 - 5/11/11	5/9 - 5/28/11	5/26/11
101BTSP	Black-throated Sparrow	Ambrosia dumosa	638042	3936907	I2 - N	4/17/11	4 eggs	4/18 - 4/30/11	4/28 - 5/10/11	4/25/11
103HOFI	House Finch	O. echinocarpa	639540	3933099	I1 - W	4/18/11	5 eggs	4/19 - 5/2/11	5/3 - 5/18/11	5/10/11
104BTSP	Black-throated Sparrow	O. acanthocarpa	639584	3933027	I1 - W	4/18/11	3 eggs	4/19 - 5/01/11	4/29 - 5/11/11	5/10/11
105CACW	Cactus Wren	O. acanthocarpa	638427	3934914	Tort expansion area	4/18/11	2 eggs	5/3 - 5/6/11	5/24 - 5/27/11	5/19/11
106BTSP	Black-throated Sparrow	O. acanthocarpa	638530	3934760	Tort expansion area	4/18/11	2 eggs	4/30 - 5/2/2011	5/10 - 5/12/11	5/11/11
107HOFI	House Finch	O. acanthocarpa	639736	3932878	I1	4/19/11	4-5 nestlings		4/29 - 5/6/11	5/2/11
108BTSP	Black-throated Sparrow	Ambrosia dumosa	639317	3934394	I1 - Recipient site/ outside fence	4/20/11	3 hatchlings		4/28 - 4/30/11	5/11/11
109BTSP	Black-throated Sparrow		639174	3934392	I1 - Recipient site/ outside fence	4/20/11	3 nestlings		4/21 - 4/30/11	5/11/11
110BTSP	Black-throated Sparrow	O. echinocarpa	639542	3933330	I1	4/20/11	3 eggs	4/21 - 5/03/11	5/1 - 5/13/11	4/25/11
111LCTH	LeConte's Thrasher	O. echinocarpa	638113	3938083	I3	4/21/11	3 eggs	4/22 - 5/8/11	5/6 - 5/25/11	5/24/11
112BTSP	Black-throated Sparrow	Hymenoclea salsola	638204	3937174	I2	4/21/11	2 eggs	5/3 - 5/6/2011	5/13 - 5/15/11	5/12/11
113BTSP	Black-throated Sparrow	O. echinocarpa	641094	3933184	I1	4/21/11	3 eggs	4/22 - 5/04/11	5/2 - 5/14/11	4/28/11

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114BTSP	Black-throated Sparrow	O. echinocarpa	641026	3933097	I1	4/21/11	3 eggs	4/22 - 5/04/11	5/2 - 5/14/11	4/28/11
115BTSP	Black-throated Sparrow	O. echinocarpa	640536	3932764	I1	4/21/11	4 eggs	4/22 - 5/04/11	5/2 - 5/14/11	5/2/11
116BTSP	Black-throated Sparrow	Ambrosia dumosa	640937	3934596	I1 - Recipient site/ outside fence	4/25/11	3 eggs	4/26 - 5/08/11	5/6 - 5/18/11	5/12/11
117GOEA	Golden Eagle	Cliff Ledge	635915	3941590	North of Site Powerline Rd.	4/22/11	1+ nestling		6/20 - 6/30/11	6/28/11
118BTSP	Black-throated Sparrow		639571	3936668	I2	4/25/11	3 eggs	4/26 - 5/08/11	5/6 - 5/18/11	5/12/11
119BTSP	Black-throated Sparrow	Ambrosia dumosa	639672	3933258	I1	4/25/11	1 nestling		4/26 - 5/05/11	5/3/11
120BTSP	Black-throated Sparrow	O. echinocarpa	639805	3934011	I1	4/25/11	4 eggs	4/26 - 5/08/11	5/6 - 5/18/11	5/11/11
121BTSP	Black-throated Sparrow	O. echinocarpa	639419	3933419	I1	4/26/11	3 eggs	4/27 - 5/09/11	5/7 - 5/19/11	5/3/11
122CACW	Cactus Wren	O. acanthocarpa	640878	3927191	I-15 Recipient	4/26/11	3 eggs	5/11 - 5/14/11	6/1 - 6/4/11	6/2/11
123BTSP	Black-throated Sparrow	O. echinocarpa	641808	3930081	I-15 Recipient	4/26/11	3 eggs	4/28 - 5/10/11	5/8 - 5/20/11	5/4/11
124BTSP	Black-throated Sparrow	O. echinocarpa	641754	3930237	I-15 Recipient	4/26/11	4 eggs	4/28 - 5/10/11	5/8 - 5/20/11	5/4/11
125BTSP	Black-throated Sparrow	Ambrosia dumosa	641377	3929040	I-15 Recipient	4/26/11	3 nestlings		4/27 - 5/6/11	5/4/11
126BTSP	Black-throated Sparrow	Ambrosia dumosa	641366	3928978	I-15 Recipient	4/26/11	3 eggs	4/28 - 5/10/11	5/8 - 5/20/11	5/4/11
127BTSP	Black-throated Sparrow	Ambrosia dumosa	641102	3928225	I-15 Recipient	4/26/11	3 nestlings		4/27 - 5/6/11	5/4/11
128CORA	Common Raven	Tamarix sp.	642317	3931467	I-15 Recipient	4/26/11	unknown		5/18 - 6/22/11	6/17/11
129BTSP	Black-throated Sparrow	O. echinocarpa	642454	3932157	I-15 Recipient	4/26/11	4 eggs	4/28 - 5/10/11	5/8 - 5/20/11	5/26/11
130BTSP	Black-throated Sparrow	O. echinocarpa	642371	3932082	I-15 Recipient	4/26/11	4 eggs	4/28 - 5/10/11	5/8 - 5/20/11	5/26/11
131HOLA	Horned Lark	Ground	642169	3931437	I-15 Recipient	4/26/11	4 eggs	5/6 - 5/10/11	5/15 - 5/22/11	5/26/11
132BTSP	Black-throated Sparrow	O. echinocarpa	642108	3931371	I-15 Recipient	4/26/11	3 nestlings		4/27 - 5/6/11	5/4/11
133GRRO	Greater Roadrunner	O. acanthocarpa	641471	3930771	Recipient Site - G 10	4/27/11	4 eggs	5/17 - 5/21/11	6/2 - 6/4/11	6/27/11
134BTSP	Black-throated Sparrow	Ambrosia dumosa	639799	3932824	I1	4/28/11	3 eggs	4/29 - 5/11/11	5/9 - 5/21/11	5/16/11
135BTSP	Black-throated Sparrow	Ambrosia dumosa	639971	3932859	I1 - SW corner	5/2/11	3 eggs	5/3 - 5/15/11	5/13 - 5/25/11	5/23/11
136BTSP	Black-throated Sparrow	O. ramossissima	637563	3935577	I2	5/2/11		5/3 - 5/15/11	5/13 - 5/25/11	5/12/11
137CACW	Cactus Wren	O. acanthocarpa	637759	3936951	I2	5/2/11	5 eggs	5/3 - 5/20/11	5/24 - 6/10/11	6/2/11
138BTSP	Black-throated Sparrow	O. ramossissima	637521	3937285	I3	5/2/11	3+ nestlings		5/3 - 5/13/11	5/24/11
139BTSP	Black-throated Sparrow	Ambrosia dumosa	637700	3937674	I3	5/2/11	3 eggs	5/3 - 5/15/11	5/13 - 5/25/11	5/24/11
140BTSP	Black-throated Sparrow	Ambrosia dumosa	641000	3933491	I1 - West side	5/3/11	3 eggs	5/4 - 5/16/11	5/14 - 5/26/11	5/18/11
141BTSP	Black-throated Sparrow	O. ramossissima	639219	3934828	Common Area	5/3/11	3 eggs	5/4 - 5/16/11	5/14 - 5/26/11	5/24/11
142BTSP	Black-throated Sparrow	O. echinocarpa	641278	3933867	I1 - East side	5/4/11	unknown	5/5 - 5/17/11	5/15 - 5/27/11	5/18/11

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Nest ID	Species	Nest Substrate	UTM Easting	UTM Northing	Location	Date Found	Initial Status	Est. Hatch Date	Est. Fledge Date	Date Inactive
143HOLA	Horned Lark	Ground	640567	3933577	I1 - E. of Powerblock W. of Ring Rd.	5/5/11	3 eggs	5/3 - 5/19/11	5/12 - 5/31/11	5/24/11
144RTHA	Red-tailed Hawk	Transmission Tower	637325	3932690	Recipient Site - SW Transmission Line	5/6/11	At nest		6/1 - 6/17/11	6/24/11
145RTHA	Red-tailed Hawk	Transmission Tower	636331	3931698	Recipient Site - SW Transmission Line	5/6/11	2 nestlings		6/1 - 6/17/11	6/17/11
146CORA	Common Raven	Transmission Tower	636017	3931393	Recipient Site - SW Transmission Line	5/6/11	3 nestlings		5/7 - 6/18/11	6/17/11
147CORA	Common Raven	Transmission Tower	640736	3936090	Recipient Site - SW Transmission Line	5/6/11	3 nestlings		5/7 - 6/18/11	5/17/11
148CORA	Common Raven	Transmission Tower	644524	3939868	Recipient Site - SW Transmission Line	5/6/11	2 nestlings		5/7 - 6/18/11	6/17/11
149CORA	Common Raven	Parking Garage Sign	645582	3941868	Primm - Whiskey Pete's Garage	5/6/11	3 nestlings		5/7 - 6/18/11	6/1/11
150CORA	Common Raven	Transmission Tower	642510	3941735	Recipient Site - NW Transmission Line	5/7/11	4 nestlings		5/8 - 6/19/11	5/25/11
151RTHA	Red-tailed Hawk	Transmission Tower	641658	3941357	Recipient Site - NW Transmission Line	5/7/11	2 nestlings		6/2 - 6/18/11	6/3/11
152CORA	Common Raven	Transmission Tower	639127	3940865	Recipient Site - NW Transmission Line	5/7/11	Nestlings		5/8 - 6/19/11	5/27/11
153RTHA	Red-tailed Hawk	Tower	633280	3940141	Recipient Site - NW Transmission Line	5/7/11	2 nestlings		6/2 - 6/18/11	5/25/11
154BTSP	Black-throated Sparrow	Larrea tridentata	640692	3933484	I - 1	5/9/11	4 eggs	5/10 - 5/22/11	5/20 - 6/1/11	6/6/11
155BTSP	Black-throated Sparrow	O. ramosissima	639625	3935393	I - 2 Old Coloseum Rd.	5/9/11	3 eggs	5/10 - 5/22/11	5/20 - 6/1/11	6/9/11
156BTSP	Black-throated Sparrow	O. ramosissima	639543	3936272	I - 2	5/9/11	3 eggs	5/10 - 5/22/11	5/20 - 6/1/11	6/9/11
157BTSP	Black-throated Sparrow	Ambrosia dumosa	640499	3933802	I - 1	5/10/11	1 nestling		5/11 - 5/20/11	5/24/11
158BTSP	Black-throated Sparrow	O. ramosissima	640668	3933244	I - 1	5/10/11	1 egg	5/22 - 5/26/11	6/1 - 6/5/11	5/17/11
159BTSP	Black-throated Sparrow	O. echinocarpa	639438	3934849	Common Area	5/10/11	At nest		5/20 - 6/1/11	5/24/11
160BTSP	Black-throated Sparrow	O. ramosissima	639492	3935644	I - 2	5/10/11	1 egg	5/23 - 5/25/11	6/2 - 6/4/11	6/9/11
161BTSP	Black-throated Sparrow	Ambrosia dumosa	638034	3936875	I - 2	5/10/11	4 eggs	5/11 - 5/22/11	5/21 - 6/1/11	5/24/11
162LCTH	LeConte's Thrasher	O. acanthocarpa	637997	3935969	I - 2	5/10/11	4 eggs	5/11 - 5/30/11	5/25 - 6/16/11	6/2/11
163BTSP	Black-throated Sparrow	Ambrosia dumosa	640702	3933154	I - 1	5/11/11	3 eggs	5/12 - 5/23/11	5/22 - 6/2/11	5/23/11
164HOLA	Horned Lark	Ground	640770	3933922	I - 1	5/11/11	3 eggs	5/21 - 5/25/11	5/30 - 6/8/11	5/31/11
165CACW	Cactus Wren	O. acanthocarpa	638247	3937064	I - 2	5/11/11	2+ eggs	5/12 - 5/29/11	6/2 - 6/19/11	5/25/11
166BTSP	Black-throated Sparrow	O. ramosissima	638267	3935460	I - 2	5/11/11	2 eggs	5/12 - 5/31/11	5/25 - 6/16/11	6/9/11
167BTSP	Black-throated Sparrow	O. ramosissima	638393	3935702	I - 2	5/11/11	At nest		5/21 - 6/2/11	6/9/11
168BTSP	Black-throated Sparrow	Ambrosia dumosa	639143	3936743	I - 2	5/11/11	3 eggs	5/12 - 5/23/11	5/22 - 6/2/11	6/9/11
169BTSP	Black-throated Sparrow	Ambrosia dumosa	638753	3936622	I - 2	5/12/11	4 eggs	5/13 - 5/24/11	5/23 - 6/3/11	6/9/11

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170BTSP	Black-throated Sparrow	O. echinocarpa	641185	3934418	I - 1	5/12/11	3 eggs	5/13 - 5/24/11	5/23 - 6/3/11	5/17/11
171LCTH	LeConte's Thrasher	O. acanthocarpa	641270	3933748	I - 1	5/17/11	Nestlings		5/18 - 6/10/11	6/2/11
172BTSP	Black-throated Sparrow	Ambrosia dumosa	639474	3933306	I - 1	5/17/11	3 eggs	5/18 - 5/29/11	5/28 - 6/8/11	6/7/11
173BTSP	Black-throated Sparrow	Ambrosia dumosa	639929	3933219	I - 1	5/17/11	3 eggs	5/18 - 5/29/11	5/28 - 6/8/11	6/7/11
174BTSP	Black-throated Sparrow	O. ramosissima	641175	3933390	I - 1	5/17/11	3 eggs	5/18 - 5/29/11	5/28 - 6/8/11	6/2/11
175BTSP	Black-throated Sparrow	O. acanthocarpa	640051	3934241	I - 1	5/17/11	At nest	5/18 - 5/29/11	5/28 - 6/8/11	5/31/11
176BTSP	Black-throated Sparrow	*E. fasiculatum*	639753	3934241	I - 1	5/17/11	3 nestlings		5/18 - 5/27/11	5/24/11
177BTSP	Black-throated Sparrow	Ambrosia dumosa	636892	3940199	Gas line	5/16/11	3 eggs	5/15 - 5/26/11	5/25 - 6/5/11	6/28/11
178BTSP	Black-throated Sparrow	Ambrosia dumosa	636896	3940327	Gas line	5/16/11	3 eggs	5/15 - 5/26/11	5/25 - 6/5/11	6/28/11
179BTSP	Black-throated Sparrow	Hymenoclea salsola	636965	3940136	Gas line	5/16/11	4 eggs	5/15 - 5/26/11	5/25 - 6/5/11	6/28/11
180BTSP	Black-throated Sparrow	Ambrosia dumosa	638856	3939219	Gas line	5/16/11	3 eggs	5/15 - 5/26/11	5/25 - 6/5/11	6/28/11
181BTSP	Black-throated Sparrow	O. ramosissima	638783	3935127	I - 2	5/19/11	3 nestlings		5/20 - 5/29/11	6/9/11
182LENI	Lesser Nighthawk	Scrape	638289	3934956	Tort expansion area under creosote	5/19/11	1 egg	6/6 - 6/8/11	6/27 - 6/29/11	6/21/11
183CACW	Cactus Wren	O. acanthocarpa	638377	3934827	Tort expansion area	5/19/11	3 eggs	6/3 - 6/6/11	6/24 - 6/27/11	6/28/11
184BTSP	Black-throated Sparrow	*E. fasiculatum*	638501	3935013	Tort expansion area	5/19/11	3 eggs	5/20 - 5/31/11	5/30 - 6/10/11	6/9/11
185BTSP	Black-throated Sparrow	Larrea tridentata	640450	3934203	I - 1	5/19/11	3 nestlings		5/20 - 5/29/11	5/31/11
186BTSP	Black-throated Sparrow	*E. fasiculatum*	639814	3932842	I - 1	5/23/11	2 eggs	5/24 - 6/4/11	6/3 - 6/13/11	6/7/11
187BTSP	Black-throated Sparrow		641006	3933117	I - 1	5/23/11	3 eggs	5/24 - 6/4/11	6/3 - 6/13/11	6/2/11
188BTSP	Black-throated Sparrow	*H. salsola*	641013	3934240	I - 1	5/25/11	4 eggs	5/25 - 6/5/11	6/4 - 6/14/11	6/6/11
189BTSP	Black-throated Sparrow	Ambrosia dumosa	638766	3934900	Tort. Pens	5/25/11	2-3 nestlings		5/26 - 6/4/11	5/31/11
190CACW	Cactus Wren	*O. acanthocarpa*	637799	3936254	I - 2	5/25/11	3 eggs	6/9 - 6/12/11	6/30 - 7/6/11	6/28/11
191LENI	Lesser Nighthawk	Scrape	637915	3936418	I - 2	5/25/11	2 eggs	6/12 - 6/14/11	6/20 - 6/24/11	6/28/11
192BTSP	Black-throated Sparrow	*H. salsola*	641522	3929340	I - 15 Fence line	5/25/11	3 eggs	5/26 - 6/6/11	6/5 - 6/16/11	6/27/11
193BTSP	Black-throated Sparrow	O. echinocarpa	640309	3934412	I - 1	5/26/11	2 eggs	6/8 - 6/10/11	6/18 - 6/20/11	6/21/11
194CACW	Cactus Wren	*O. acanthocarpa*	637295	3938314	I - 3 North spoke Rd.	5/26/11	3 eggs	6/10 - 6/13/11	6/31 - 7/7/11	6/28/11
195BTSP	Black-throated Sparrow	O. ramosissima	639139	3936108	I - 2	5/26/11	3 eggs	5/27 - 6/7/11	6/6 - 6/17/11	6/9/11
196LCTH	LeConte's Thrasher	O. ramosissima	638878	3936038	I - 2	6/6/11	3 nestlings		6/16 - 6/30/11	6/15/11
197CACW	Cactus Wren	O. echinocarpa	637760	3937712	I - 3 Power Block	5/31/11	3 eggs	6/15 - 6/18/11	7/5 - 7/12/11	6/28/11
198BTSP	Black-throated Sparrow	O. ramosissima	637090	3937952	I - 3 Power Block	5/31/11	3 nestlings		6/1 - 6/10/11	6/9/11

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Nest ID	Species	Nest Substrate	UTM Easting	UTM Northing	Location	Date Found	Initial Status	Est. Hatch Date	Est. Fledge Date	Date Inactive
199BTSP	Black-throated Sparrow	Ambrosia dumosa	637410	3939351	Gas line	6/1/11	4 eggs	6/2 - 6/13/11	6/12 - 6/23/11	6/28/11
200BTSP	Black-throated Sparrow	Larrea tridentata	640544	3934145	I - 1	6/2/11	2 eggs	6/13 - 6/15/11	6/23 - 6/25/11	6/6/11
201LENI	Lesser Nighthawk	Ground	638949	3935770	I - 2	6/6/11	2 eggs	6/20 - 6/22/11	7/1 - 7/5/11	
202BTSP	Black-throated Sparrow	Ambrosia dumosa	638307	3935471	I -2	6/6/11	3 eggs	6/7 - 6/18/11	6/17 - 6/28/11	6/21/11
203BTSP	Black-throated Sparrow	O. ramossissima	638525	3935472	I -2	6/6/11	Incubation	6/7 - 6/18/11	6/17 - 6/28/11	6/21/11
204BTSP	Black-throated Sparrow		639977	3933333	I - 1	6/8/11	3 eggs	6/9 - 6/20/11	6/19 - 6/30/11	6/21/11
205BTSP	Black-throated Sparrow		640961	3934092	I - 1	6/8/11	3 nestlings		6/9 - 6/18/11	6/21/11
206BTSP	Black-throated Sparrow	O. ramossissima	637704	3935745	I - 2 Powerblock 3 access rd.	6/11/11	3 eggs	6/12 - 6/23/11	6/22 - 6/3/11	6/16/11
207LENI	Lesser Nighthawk	Ground	638207	3935438	I - 2 NE side of Creosote	6/19/11	2 eggs	6/20 - 7/8/11	7/11 - 7/29/11	
208BTSP	Black-throated Sparrow	Ambrosia dumosa	636733	3936609	I - 3	6/9/11	2 eggs & 1 nestling		6/19 - 6/22/11	6/28/11
209LENI	Lesser Nighthawk	Ground	637064	3936669	I - 3 north side of an Ephedra	6/23/11	2 eggs	6/24 - 7/12/11	7/15 - 8/2/11	
210LENI	Lesser Nighthawk	Ground	640019	3933004	I - 1 Near SW spoke rd.	6/29/11	2 eggs	6/30 - 7/18/11	7/21 - 8/8/11	
211LENI	Lesser Nighthawk	Ground	639951	3933043	I - 1 Near SW spoke rd.	6/29/11	2 eggs	6/30 - 7/18/11	7/21 - 8/8/11	

Figure 1. Initial Location of Unmarked Tortoise BS178 Found in Ivanpah 1 on June 9, 2011

Figure 2a. ISEGS Recipient Site - Initial Tortoise Locations.

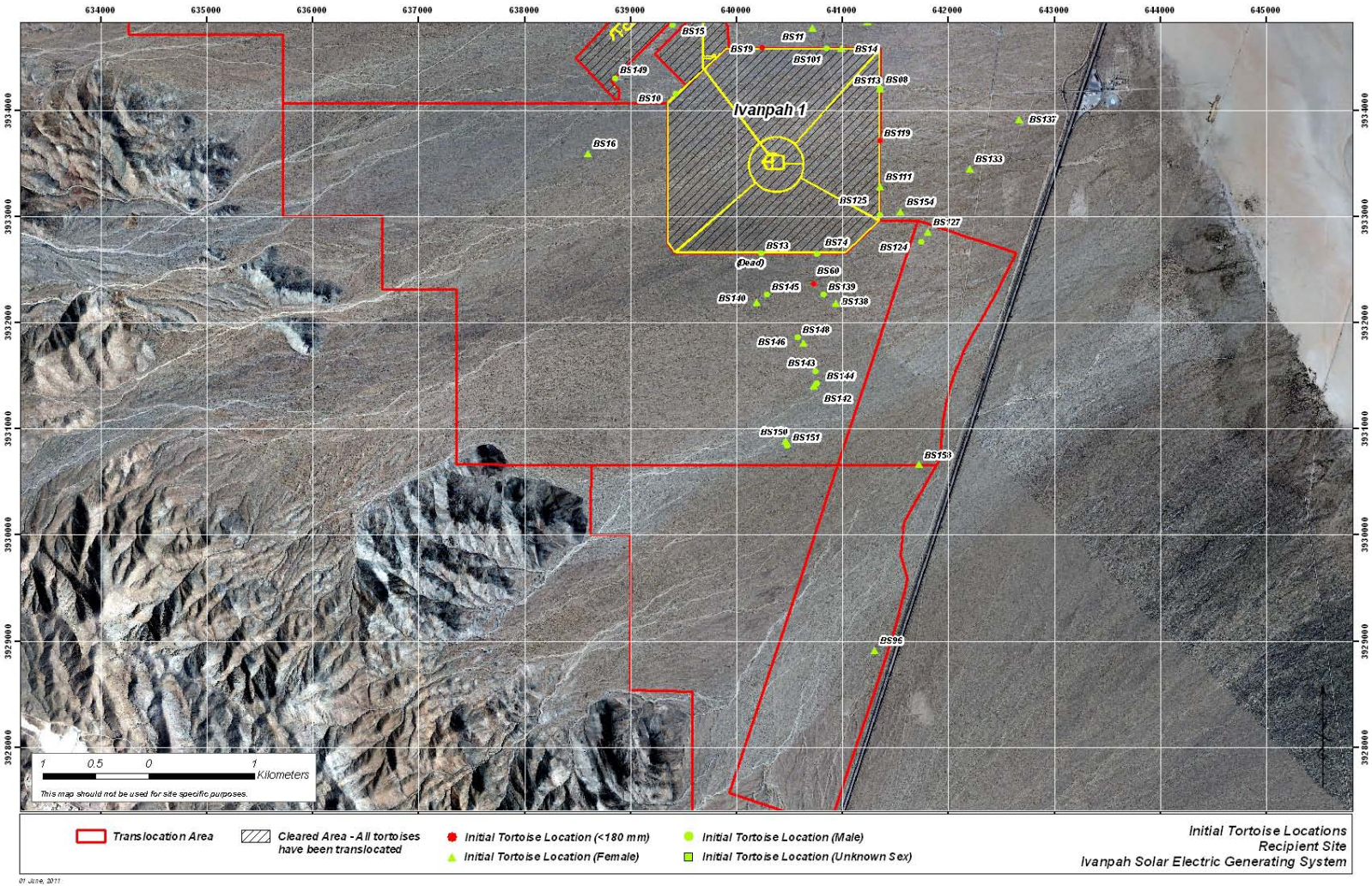

Figure 2b. ISEGS Recipient Site - Initial Tortoise Locations.

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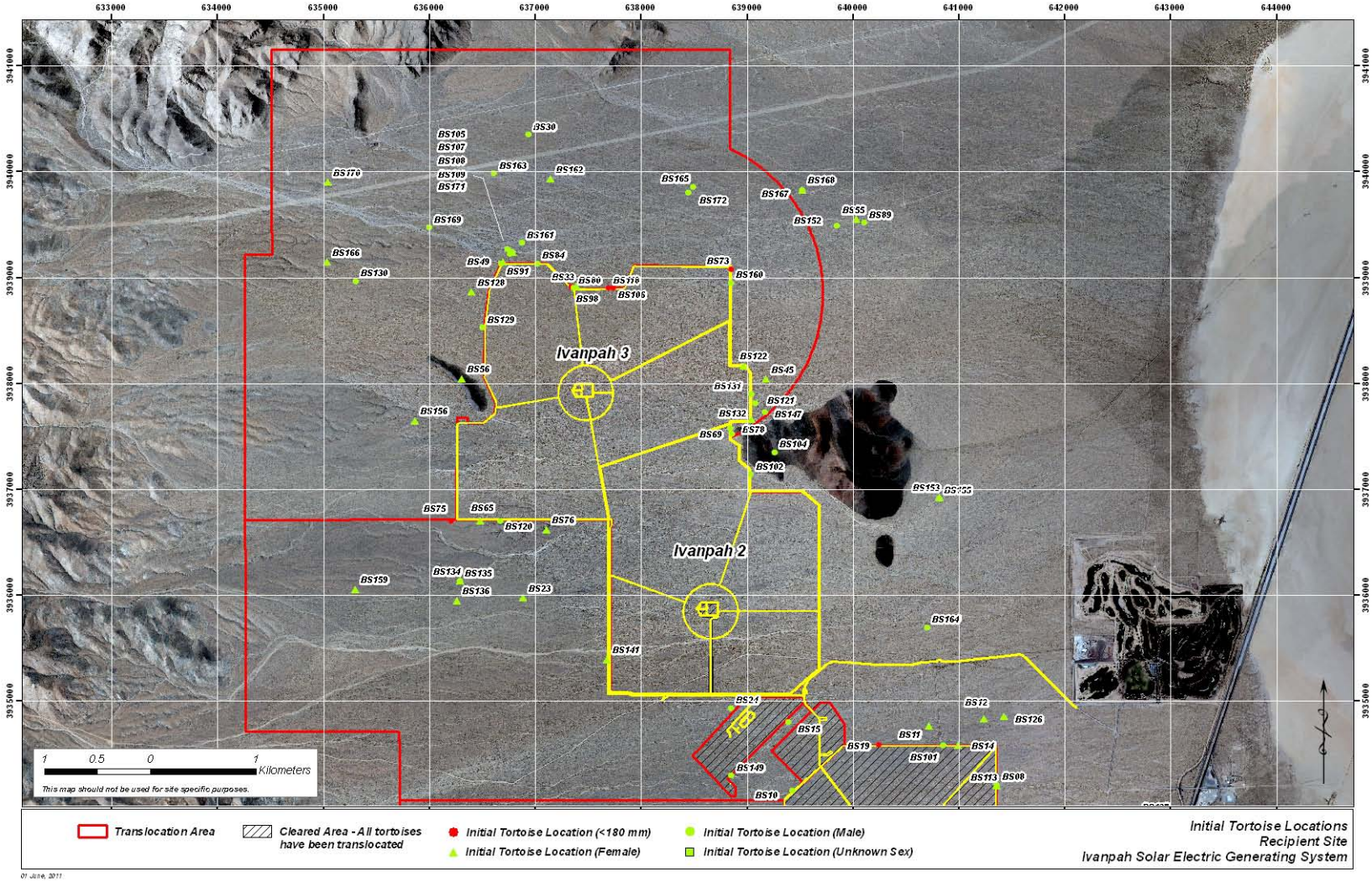

Figure 3a. ISEGS Recipient Site - Recent Tortoise Locations.

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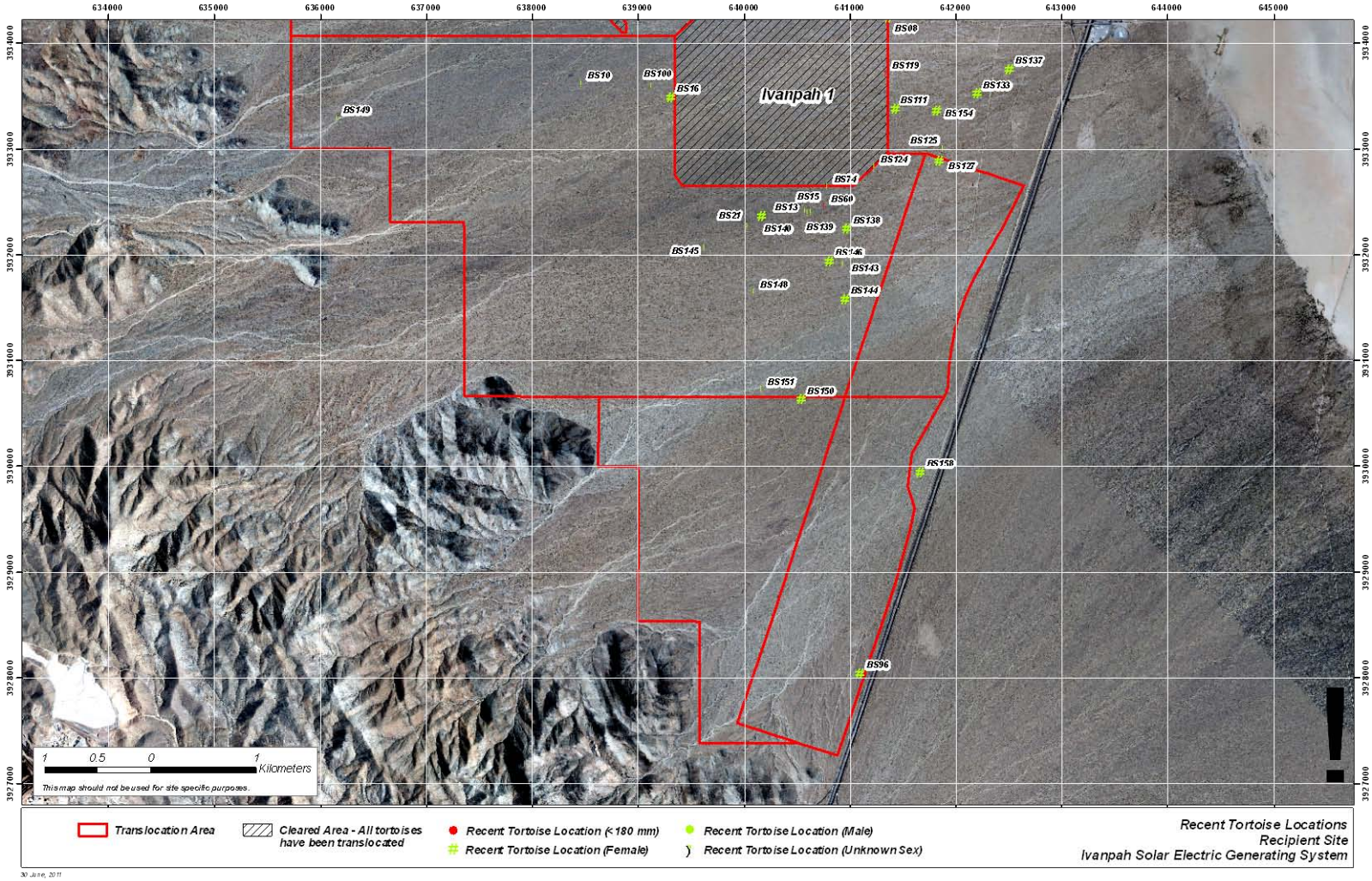

Figure 3b. ISEGS Recipient Site - Recent Tortoise Locations.

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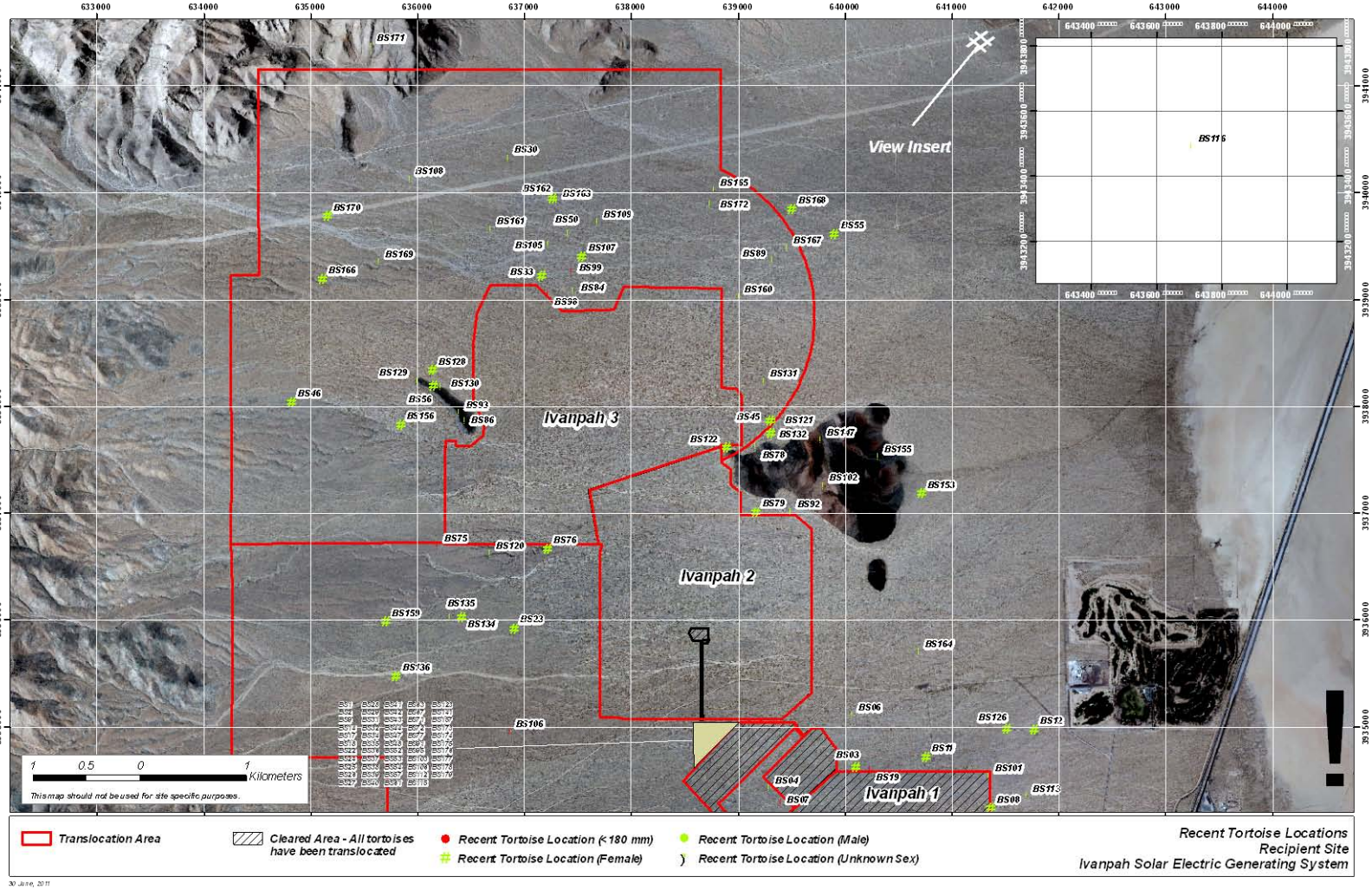

Figure 4. ISEGS Control Site - Initial Tortoise Locations.

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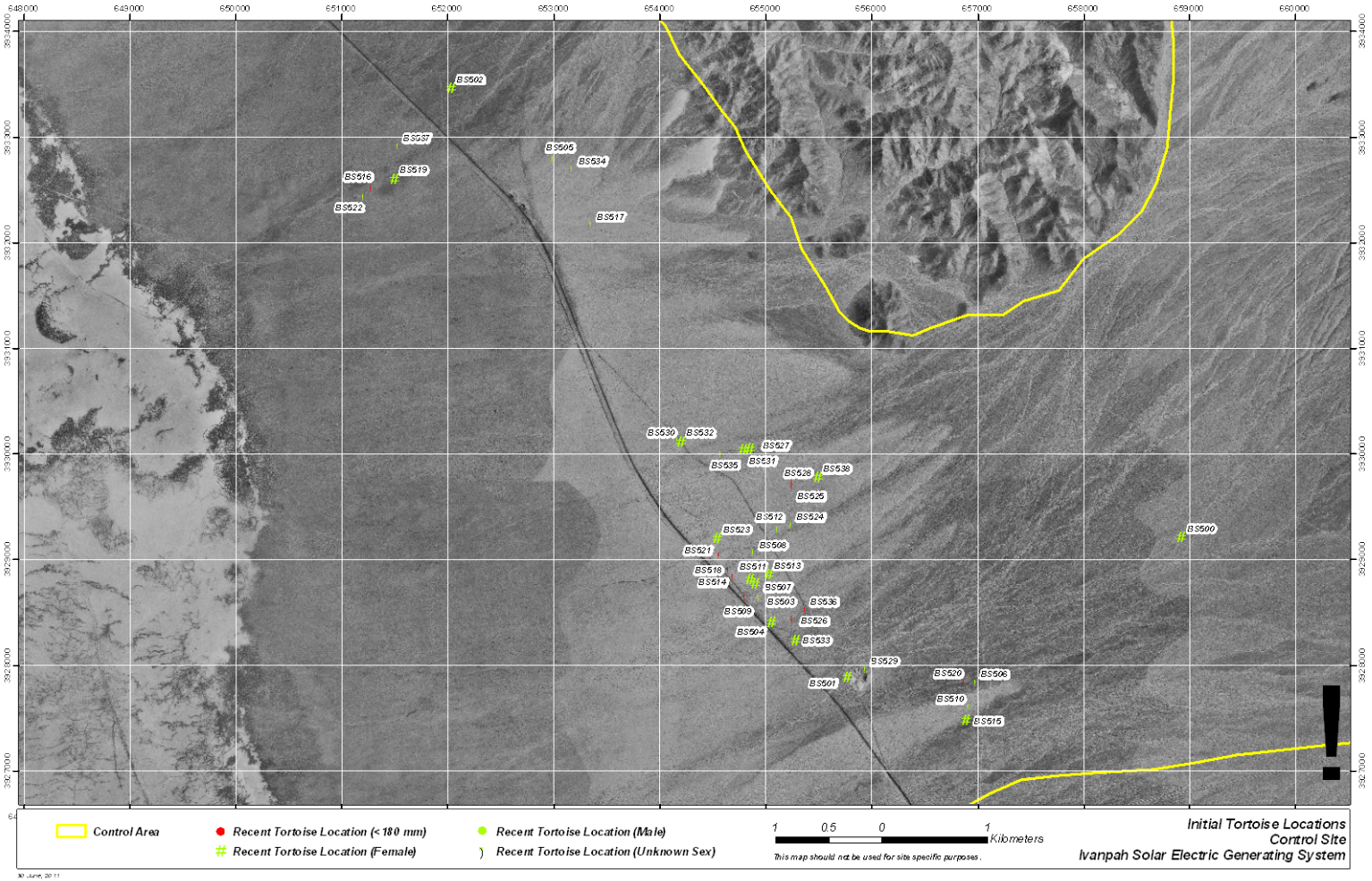

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Figure 5. ISEGS Control Site – Recent Tortoise Locations.

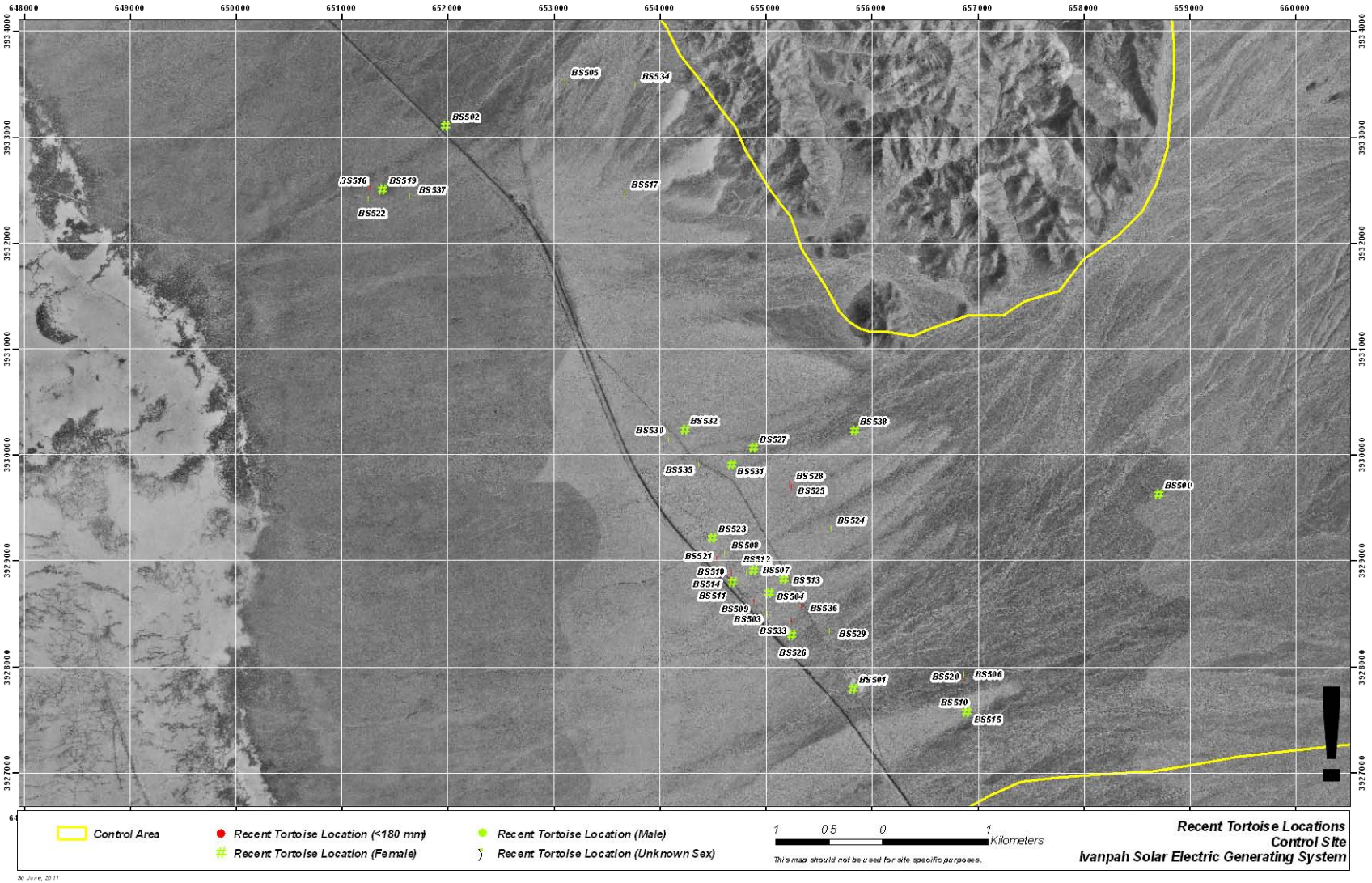

Figure 6. Ivanpah 2 and 3 – Initial Tortoise Locations.

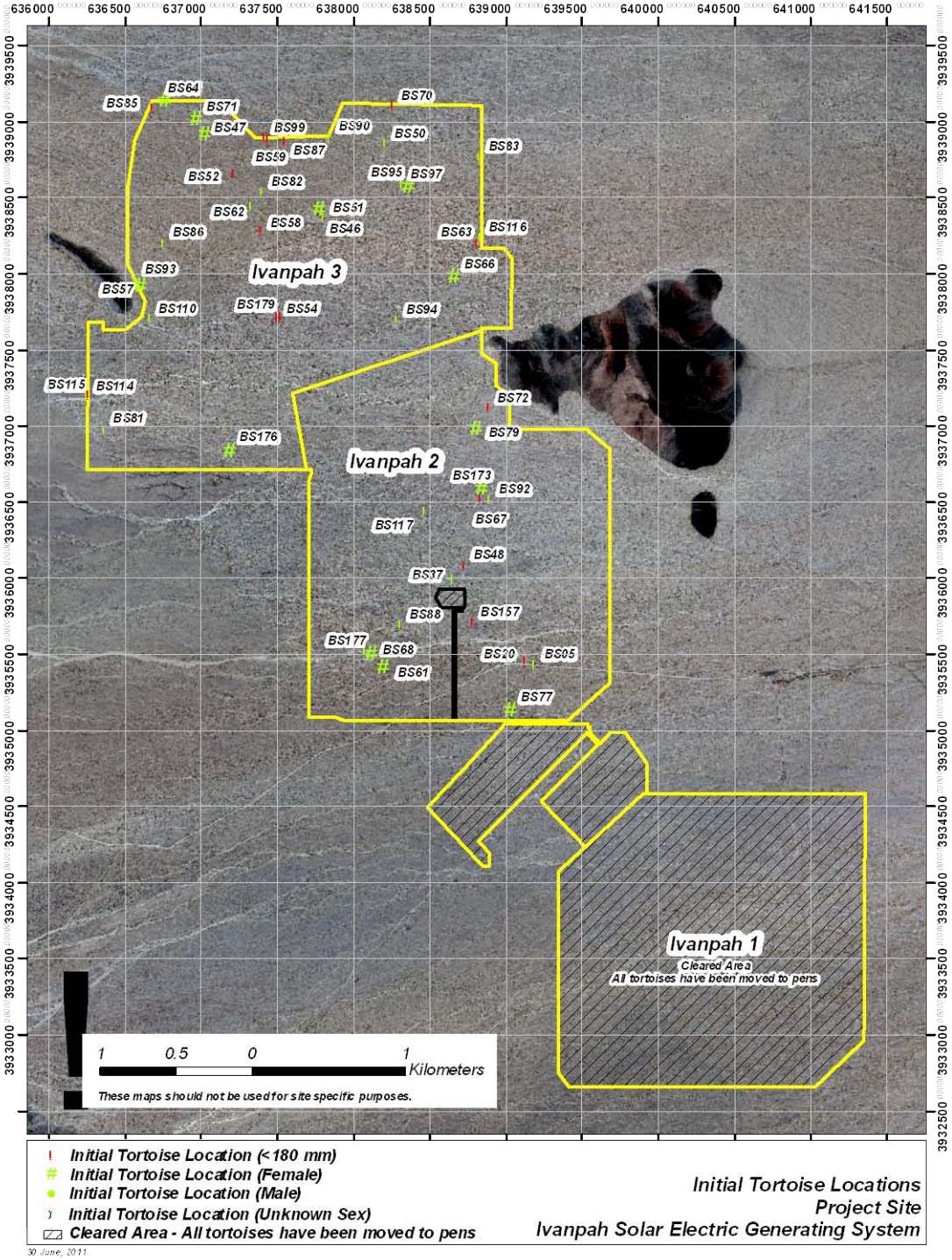

Figure 7. Ivanpah 2 and 3 – Recent Tortoise Locations.

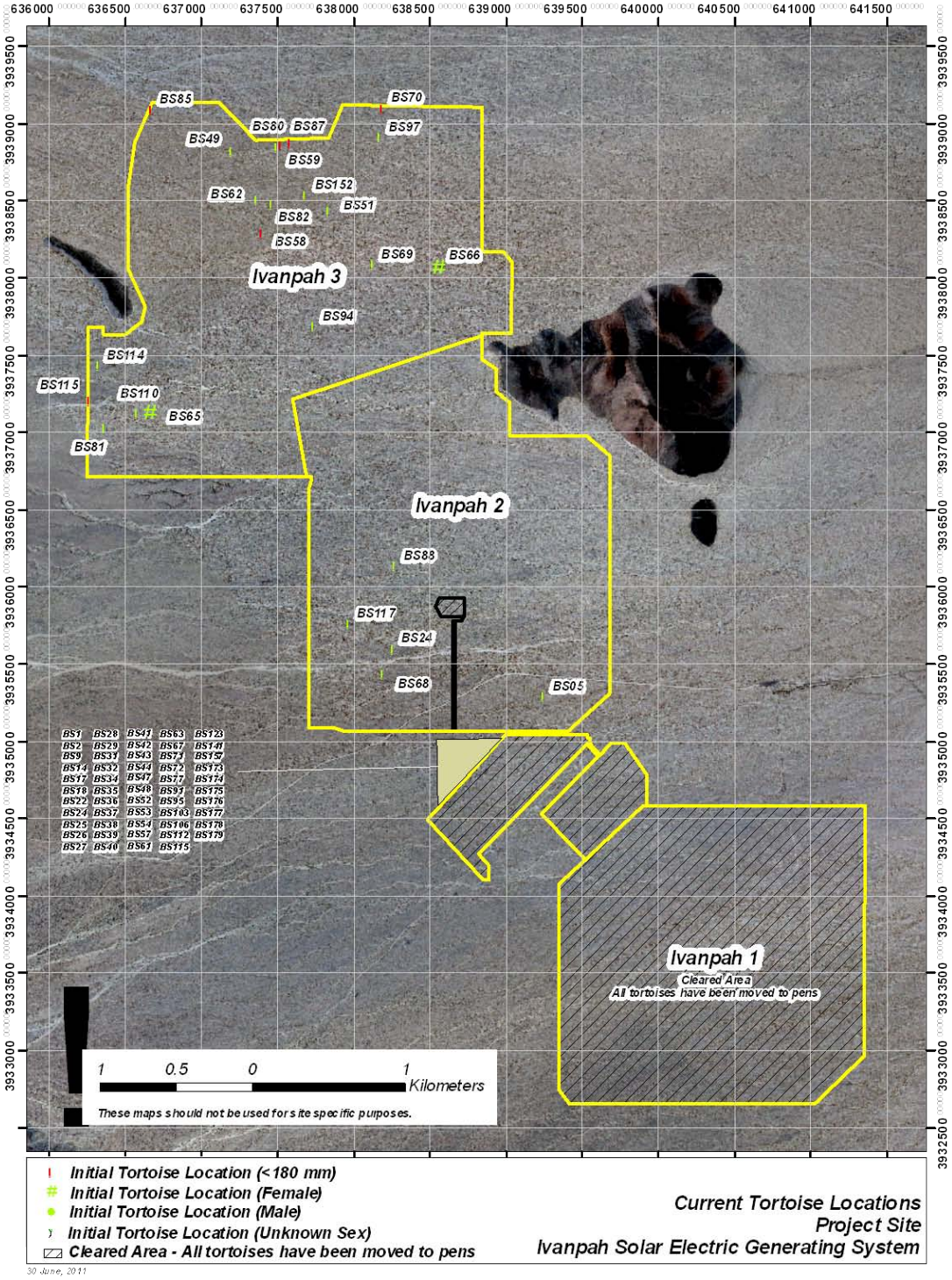

Figure 8. ISEGS Nesting Bird Locations as of June 30, 2011, Ivanpah 1.

Figure 9. ISEGS Nesting Bird Locations as of June 30, 2011, Ivanpah 2-3.

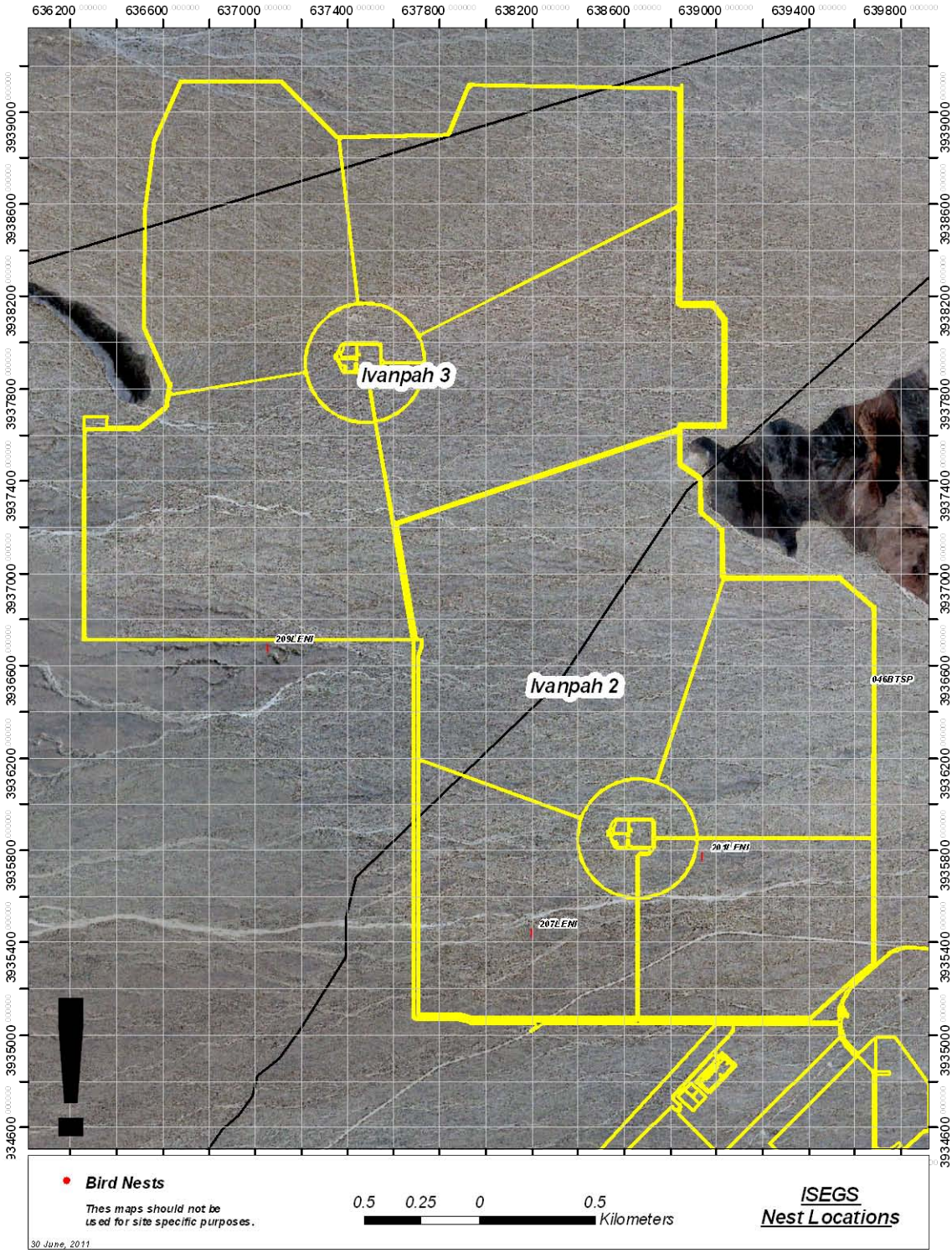

Figure 10. Golden Eagle nest location

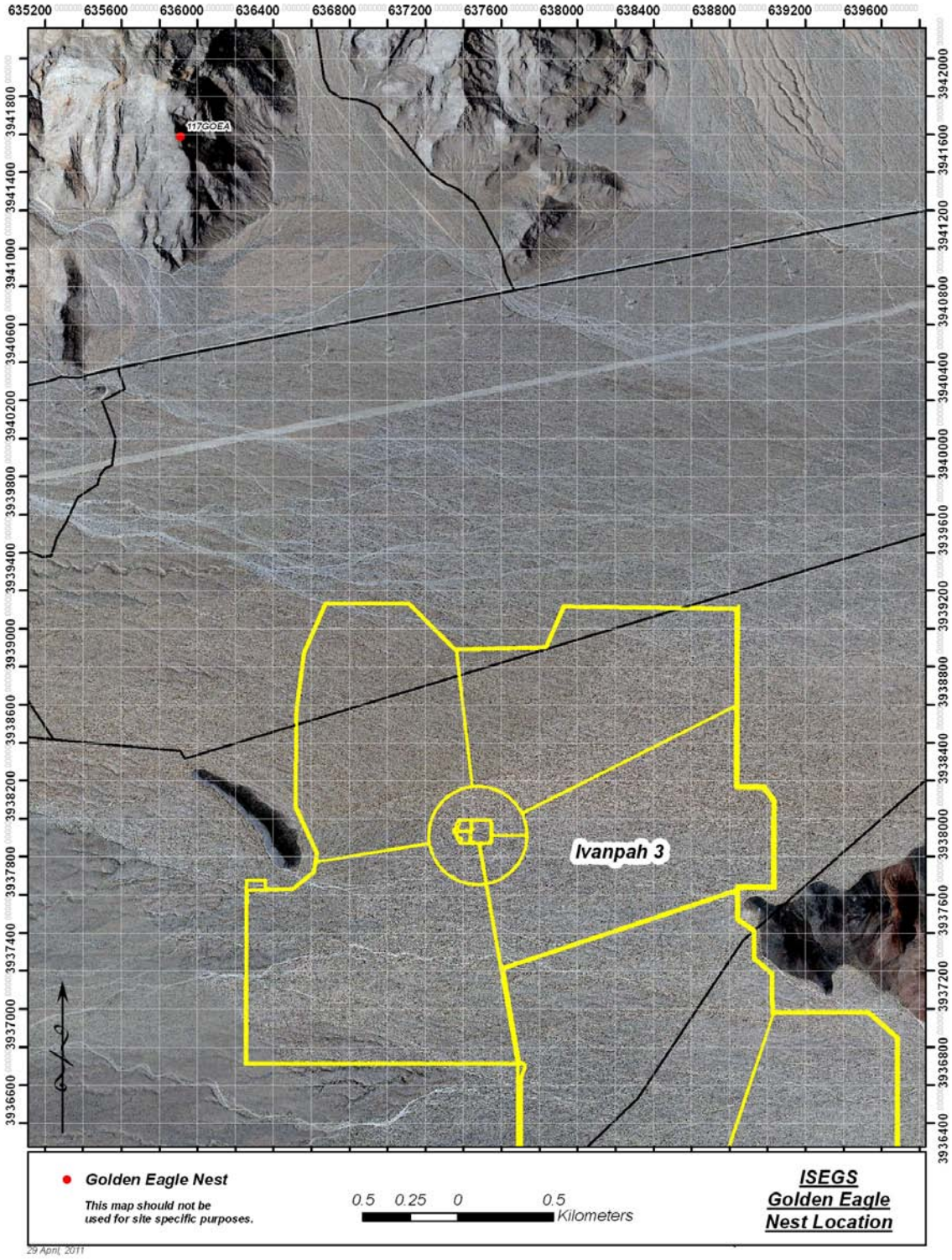

Exhibit 10

Master CBO Submittal List
Conditions of Certification
GEN-2 & 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
WS-1-2.0		Approval		PLAN	25542-000-G27-GGG-00061	UNIT 1, 2 AND 3 POWER BLOCK CONTRUCTION FACILITIES PROTECTION PLAN	Bechtel			N
GEN-4	NA	Approval	PE	Resume	N/A	Bechtel Site Resident Engineer Resume and Registration	Bechtel		8/15/2010 A	Y
GEN-5	NA	Approval	Geotech	Resume	N/A	Bechtel Responsible Engineering Geologist Resume and Registration	Bechtel		5/18/2010 A	Y
GEN-5	NA	Approval	Geotech	Resume	N/A	Bechtel Responsible Soils/Civil Engineer Resume and Registration	Bechtel		5/18/2010 A	Y
GEN-5	NA	Approval	Civil	Resume	N/A	Bechtel Responsible Design Engineer (for plant structures) Resume and Registration	Bechtel		5/18/2010 A	Y
GEN-5	NA	Approval	Electrical	Resume	N/A	Bechtel Responsible Electrical Engineer Resume and Registration	Bechtel		5/18/2010 A	Y
GEN-5	NA	Approval	Mechanical	Resume	N/A	Bechtel Responsible Mechanical Engineer Resume and Registration	Bechtel		5/18/2010 A	Y
GEN-5	NA	Approval	Plant Design	Resume		Bechtel Responsible Piping / Support Engineer Resume and Registration	Bechtel		Dec-10	Y
FAB-1		Approval	Civil	Application	25542-000-V1A-DG01-00103	CERTIFICATE OF COMPLIANCE - HRC	Vendor			N
FAB-1		Approval	Civil	Application	25542-000-V1A-DG01-00104	APLICATION FOR APPROVED FABRICATOR STATUS	Vendor			N
FAB-1		Approval	Civil	Application	25542-000-V1A-DG01-00119	HRC RESULTS	Vendor			N
FAB-1		Approval	Mechanical	Application	25542-000-V1A-MEAA-00242	APPLICATION FOR APPROVED FABRICATOR STATUS	Vendor			N
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		Approval	Civil	Application	25542-000-V1C-SS01-00029	APPLICATION FOR APPROVED FABRICATOR - QUALITY CONTROL PROGRAM	Vendor			N
FAB-1		Approval	Civil	Application	25542-000-V1C-SS01-00030	APPLICATION FOR APPROVED FABRICATOR STATUS	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00001	ADMIN BUILDING - STRUCTURAL DETAILS	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00002	ADMIN BUILDING - STRUCTURAL DETAILS	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00003	ADMIN BUILDING - COLD FORM DETAILS	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00004	ADMIN BUILDING - SHEETING DETAILS	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00005	ADMIN BUILDING - SHEETING DETAILS	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00006	ADMIN BUILDING - COVER SHEET	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00007	ADMIN BUILDING - SPECIAL INSPECTION	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00008	ADMIN BUILDING - ANCHOR ROD PLAN	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00009	ADMIN BUILDING - ANCHOR ROD DETAILS	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00010	ADMIN BUILDING - ROOF FRAMING PLAN	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00011	ADMIN BUILDING - CANOPY PLANS	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00012	ADMIN BUILDING - ROOF SHEETING PLAN	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00013	ADMIN BUILDING - CRANE FRAMING PLAN	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00014	ADMIN BUILDING - WALL ELEVATIONS	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00015	ADMIN BUILDING - WALL ELEVATIONS	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00016	ADMIN BUILDING - WALL SHEETING PLAN	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00017	ADMIN BUILDING - WALL SHEETING PLAN	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00018	ADMIN BUILDING - WALL SHEETING PLAN	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00019	ADMIN BUILDING - BUILDING CROSS SECTION	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00020	STRUCTURAL CALCULATIONS - GEM	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00025	FACILITY ADMIN BUILDING - STRUCTURAL GENERAL NOTES	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00026	FACILITY ADMIN BUILDING - STRUCTURAL GENERAL NOTES	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00027	FACILITY ADMIN BUILDING - STRUCTURAL GENERAL NOTES AND ABBREV.	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00028	FACILITY ADMIN BUILDING - TYPICAL CONCRETE DETAILS	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00029	FACILITY ADMIN BUILDING - TYPICAL CONCRETE DETAILS	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00030	FACILITY ADMIN BUILDING - TYPICAL MASONRY DETAILS	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00031	FACILITY ADMIN BUILDING - TYPICAL LIGHT GAGE METAL SHEET DETAILS	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00032	FACILITY ADMIN BUILDING - TYPICAL LIGHT GAGE METAL SHEET DETAILS	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00033	FACILITY ADMIN BUILDING - FOUNDATION PLAN	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00034	FACILITY ADMIN BUILDING - MEZZANINE FRAMING PLAN	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00035	FACILITY ADMIN BUILDING - REFLECTED CEILING PLAN	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00036	FACILITY ADMIN BUILDING - FOUNDATION DETAILS	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00037	FACILITY ADMIN BUILDING - FOUNDATION DETAILS	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00040	FACILITY ADMIN BUILDING - METAL DECK DETAILS	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00062	FACILITY ADMIN BUILDING	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00063	FACILITY ADMIN BUILDING	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00064	FACILITY ADMIN BUILDING	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00065	FACILITY ADMIN BUILDING	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00066	FACILITY ADMIN BUILDING	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00067	FACILITY ADMIN BUILDING	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00068	FACILITY ADMIN BUILDING	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00069	FACILITY ADMIN BUILDING	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00070	FACILITY ADMIN BUILDING	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00071	FACILITY ADMIN BUILDING	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00072	FACILITY ADMIN BUILDING	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00073	FACILITY ADMIN BUILDING	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00074	FACILITY ADMIN BUILDING	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00075	FACILITY ADMIN BUILDING	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00076	FACILITY ADMIN BUILDING	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00077	FACILITY ADMIN BUILDING	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00078	FACILITY ADMIN BUILDING	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00079	FACILITY ADMIN BUILDING	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00097	ADMIN BUILDING - CANOPY SHEETING PLANS	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00117	FACILITY ADMIN BUILDING - FOUNDATION DETAILS	Vendor			N
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-AKBS-00118	FACILITY ADMIN BUILDING - STRUCUTRAL CALCULATIONS	Vendor			N
STRUC-1		Approval	Civil	Document	25542-000-V1A-SY10-00010	DIMENSION OF PENDULUM MASS	Vendor			N
STRUC-1		Approval	Civil	Document	25542-000-V1A-SY10-00012	DETAILS: SPRINGS/PENDULUMS WITH CONNECTION	Vendor			N
STRUC-1		Approval	Civil	Document	25542-000-V1A-SY10-00013	PSWT	Vendor			N
STRUC-1		Approval	Civil	Document	25542-000-V1A-SY10-00014	EXISTING STRUCTURE AND PROFILES FOR SPRINGS	Vendor			N
STRUC-1		Approval	Civil	Document	25542-000-V1A-SY10-00015	EXISTING STRUCTURE WITH DAMPERS AND BORE HOLE	Vendor			N
STRUC-1		Approval	Civil	Document	25542-000-V1A-SY10-00016	SPRING CONNECTION DETAILS	Vendor			N
STRUC-1		Approval	Civil	Document	25542-000-V1A-SY10-00018	SUMMARY OF DESIGN CALCULATIONS FOR GERB	Vendor			N
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00043	Cover Sheet - Administration Building - Fire Sprinkler	Vendor			N
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00044	Mechanical Layout - Administration Building - Fire Sprinkler	Vendor			N
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00045	Electrical Layout - Administration Building - Fire Sprinkler	Vendor			N
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00046	Panel Wiring Diagram - Administration Building - Fire Sprinkler	Vendor			N
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00047	Details - Administration Building - Fire Sprinkler	Vendor			N
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00048	Site Plan, Notes and Details - Administration Building - Fire Sprinkler	Vendor			N
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00049	Piping Plan and Sections - Administration Building - Fire Sprinkler	Vendor			N

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
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00050	Reflected Ceiling, Mezzanine, Under Floor Piping - Administration Building - Fire Sprinkler	Vendor			N
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00101	HYDRAULIC CALCULATION No C1-1	Vendor			N
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00120	Consolidated Report	Vendor			N
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00121	Control Equipment Room Gaseous Fire Suppression System Calculation	Vendor			N
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00124	Hydraulic Calculation No. C1-2	Vendor			N
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00089	PLUMB - ADMIN BLDG	Vendor			N
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00090	PLUMB - ADMIN BLDG	Vendor			N
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00091	PLUMB - ADMIN BLDG	Vendor			N
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00104	PLUMB - ADMIN BLDG	Vendor			N
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00092	MECH - FACILITY ADMIN BLDG	Vendor			N
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00093	MECH - FACILITY ADMIN BLDG	Vendor			N
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00094	MECH - FACILITY ADMIN BLDG	Vendor			N
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00095	MECH - FACILITY ADMIN BLDG	Vendor			N
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00096	MECH - FACILITY ADMIN BLDG	Vendor			N
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00110	MECH - FACILITY ADMIN BLDG	Vendor			N
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00111	MECH - FACILITY ADMIN BLDG	Vendor			N
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00112	MECH - FACILITY ADMIN BLDG	Vendor			N
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00113	MECH - FACILITY ADMIN BLDG	Vendor			N
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-AKBS-00051	RESUME - ARUN SAHA	Vendor			Y
GEN-5	NA	Approval	Electrical	Resume	25542-000-V1A-AKBS-00052	RESUME - BRUCE GILLINGS	Vendor			Y
GEN-5	NA	Approval	Electrical	Resume	25542-000-V1A-AKBS-00058	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 MNATSAGHANLAN	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	Mechanical	Cover Letter	25542-000-V1A-MEAA-00099	COVER LETTER	Vendor			N
GEN-5		Approval	Mechanical	Resume	25542-000-V1A-MEAA-00100	RESUME, DUDEK	Vendor			N
GEN-5		Approval	Civil	Resume	25542-000-V1A-SY10-00003	GREGORY P LUTH RESUME	Vendor			N
GEN-5		Approval	Civil	Document	25542-000-V1A-SY10-00019	FMD PIER REVIEW	Vendor			N
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	Reference	Mechanical	Drawing	25542-000-V1B-AK00-00066	HEATING AND COOLING LOADS	Vendor			N
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			
Y	NA	Approval	Mechanical	Data Sheet	25542-000-V1B-AK00-00185	SPRINKLER SYSTEM EQUIPMENT DATA SHEETS	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00006	PAD BUILDING LOADING DRAWING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00018	STRUC CALC 81X116 PAVILION PAD BONDING BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00021	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00023	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00024	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00025	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00026	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00027	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00028	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00029	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00030	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00031	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00099	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00100	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00105	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00106	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00107	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00108	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00109	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00110	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00111	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00112	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00113	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00114	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00115	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00116	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00117	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00118	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00119	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00120	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00121	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00122	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00123	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00124	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00125	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00126	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00127	PAD BOND BUILDING	Vendor			N

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
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00128	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00129	PAD BOND BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00161	STATEMENT OF SPECIAL INSPECTIONS	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00162	PAD BONDING BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00163	PAD BONDING BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00164	PAD BONDING BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00165	PAD BONDING BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00166	PAD BONDING BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-AK00-00174	BOLT TORQUE AND SUBSTITUTION	Vendor			N
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
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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			Civil	Document	25542-000-V1B-AK00-00240	HELIOSTAT ASSEMBLY BUILDING - 81 X 116 FT PAVILION - RESPONSE TO PC2 CBO COMMENTS	Vendor			Y
STRUC-1			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-00014	PLANT SERVICES BUILDING	Vendor			N
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00015	PLANT SERVICES BUILDING	Vendor			N
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00016	PLANT SERVICES BUILDING	Vendor			N
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00017	PLANT SERVICES BUILDING	Vendor			N
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00018	PLANT SERVICES BUILDING	Vendor			N
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00019	PLANT SERVICES BUILDING	Vendor			N
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00020	PLANT SERVICES BUILDING	Vendor			N
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00021	PLANT SERVICES BUILDING	Vendor			N
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00022	PLANT SERVICES BUILDING	Vendor			N
STRUC-1		Approval	Civil	Document	25542-000-V1B-AKBS-00023	PLANT SERVICES BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-DA00-00002	ELECTRICAL MANHOLE	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-DA00-00012	ELECTRICAL MANHOLE	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-DA00-00013	ELECTRICAL MANHOLE	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-DA00-00015	AIR RELEASE VAULT	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-DA00-00014	AIR RELEASE VAULT	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-DA00-00016	AIR RELEASE VAULT	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-DA00-00007	ELECTRICAL MANHOLE	Vendor			N
STRUC-1	NA	Approval	Civil	Document	25542-000-V1B-DA00-00011	ELECTRICAL MANHOLE	Vendor			N
MECH-1	NA	Approval	Civil	Document	25542-000-V1B-AKBS-00039	MECH - PSB	Vendor			N
MECH-1	NA	Approval	Civil	Document	25542-000-V1B-AKBS-00040	MECH - PSB	Vendor			N
MECH-1	NA	Approval	Civil	Document	25542-000-V1B-AKBS-00041	MECH - PSB	Vendor			N
MECH-1	NA	Approval	Civil	Document	25542-000-V1B-AKBS-00042	MECH - PSB	Vendor			N
MECH-1	NA	Approval	Civil	Document	25542-000-V1B-AKBS-00043	MECH - PSB	Vendor			N
MECH-1	NA	Approval	Civil	Document	25542-000-V1B-AKBS-00063	MECH - PSB	Vendor			N
MECH-1	NA	Approval	Civil	Document	25542-000-V1B-AKBS-00064	MECH - PSB	Vendor			N
MECH-1	NA	Approval	Civil	Document	25542-000-V1B-AKBS-00065	MECH - PSB	Vendor			N
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
MECH-1	G	Reference	Plant Design	Drawing	25542-009-P0-0000-00001 & -00002	General Notes & Standard Details Embedded & Underground Piping	Bechtel		Jan-11	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
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	
MECH-1	NA	Reference	Plant Design	Drawing	25542-001-P1-2130-00001	GENERAL ARRANGEMENT TURBINE AREA PLAN 2917'-3" (138'-3")	Bechtel		Mar-11	
MECH-1	NA	Reference	Plant Design	Drawing	25542-001-P1-2190-00001	GENERAL ARRANGEMENT BOILER/TURBINE AREAS SECTION A-A	Bechtel		Mar-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	
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	
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	
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	
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	
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

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
MECH-1	NA	Reference	Plant Design	Drawing	25542-001-P1-7210-00001, -00002, & -000	GENERAL ARRANGEMENT-AIR COOLED CONDENSER PLAN AT EL. 2879'-0" (100'-0")	Bechtel		Mar-11	
MECH-1	NA	Approval	plant design	Drawing	25542-001-P1-7210-00002	ACC AREA GENERAL ARRANGEMENT PLAN EL 2879-0				Y
MECH-1	NA	Approval	plant design	Drawing	25542-001-P1-7210-00003	ACC AREA GENERAL ARRANGEMENT PLAN EL 2879-0				Y
MECH-1	NA	Reference	Plant Design	Drawing	25542-000-P1-1910-000##	GENERAL ARRANGEMENT-AUXILIARY BOILER PLAN AT GRADE	Bechtel		Jun-11	
MECH-1	NA	Reference	Plant Design	Drawing	25542-000-P1-1990-000##	GENERAL ARRANGEMENT-AUXILIARY BOILER SECTIONS & DETAILS	Bechtel		Jun-11	
MECH-1	NA	Reference	Plant Design	Drawing	25542-000-P1-7110-000##	GENERAL ARRANGEMENT-WATER TREATMENT AREA PLAN AT GRADE	Bechtel		Jun-11	
MECH-1	NA	Reference	Plant Design	Drawing	25542-000-P1-7190-000##	GENERAL ARRANGEMENT-WATER TREATMENT AREA SECTIONS & DETAILS	Bechtel		Jun-11	
MECH-1	NA	Reference	Plant Design	Drawing	25542-000-P1-7910-000##	GENERAL ARRANGEMENT-OILY WATER SEPARATOR PLAN AT GRADE	Bechtel		Jun-11	
MECH-1	NA	Reference	Plant Design	Drawing	25542-000-P1-7990-000##	GENERAL ARRANGEMENT-OILY WATER SEPARATOR SECTIONS & DETAILS	Bechtel		Jun-11	
MECH-1	NA	Reference	Plant Design	Drawing	25542-000-P1-3710-000##	GENERAL ARRANGEMENT-EMERGENCY DIESEL GENERATOR PLAN AT GRADE	Bechtel		Jun-11	
MECH-1	NA	Reference	Plant Design	Drawing	25542-000-P1-3790-000##	GENERAL ARRANGEMENT-EMERGENCY DIESEL GENERATOR SECTIONS & DETAILS	Bechtel		Jun-11	
MECH-1	NA	Reference	Plant Design	Drawing	25542-009-P1-7610-000##	GENERAL ARRANGEMENT- COMMON AREA PLAN AT GRADE	Bechtel		Jun-11	
MECH-1	NA	Reference	Plant Design	Drawing	25542-009-P1-7690-000##	GENERAL ARRANGEMENT- COMMON AREA PLAN AT GRADE	Bechtel		Jun-11	
MECH-1	NA	Reference	Plant Design	Drawing	25542-009-P1-7510-000##	GENERAL ARRANGEMENT-COMMON AREA SECTIONS & DETAILS	Bechtel		Jun-11	
		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	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-1-1-1.06	22-Nov-10 A	Y
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
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	Approval	Plant Design	Calculation	25542-000-P6C-AE-00002	AE SYSTEM - FEEDWATER SUCTION FROM DEAERATOR TO MAIN AND STARTUP BOILER FEED PUMPS	Bechtel			N
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00001	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			N
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00002	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			N
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00003	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			N
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00004	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			N
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00005	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			N
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00006	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			N
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00009	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			N
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00010	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			N
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00044	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			N
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00047	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			N
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00050	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			N
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

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
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
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	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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		Y
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 design process		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 design process		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 design process		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 design process		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 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
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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		Y
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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		Y
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 design process		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 design process		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 design process		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 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
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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		Y
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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		Y
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 design process		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 design process		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 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
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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		Y
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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		Y
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 design process		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 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
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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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	Representative piping system for CBO to review Bechtel pipe design process		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 design process		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 design process		Y
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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 in Feb-11	23-Nov-10 A	Y
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
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 design process		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 design process		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 design process		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 design process		Y

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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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		Y
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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		Y
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 design process		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 design process		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 design process		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 design process		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 design process		Y

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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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		Y
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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		Y
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 design process		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 design process		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 design process		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 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
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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		Y
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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		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 design process		Y
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 design process		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 design process		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 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
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P3S-PF-00085	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe design process		Y
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P3S-PF-00086	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe design process		Y
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P3S-PF-00087	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Bechtel	Representative piping system for CBO to review Bechtel pipe design process		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 design process	21-Oct-10 A	Y
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 design process	22-Nov-10 A	Y
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 design process	22-Nov-10 A	N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00011	PIPE SUPPORTS				Y
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00021	PIPE SUPPORTS				Y
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00031	PIPE SUPPORTS				Y
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00041	PIPE SUPPORTS				Y
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00051	PIPE SUPPORTS				Y
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00061	PIPE SUPPORTS				Y
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00071	PIPE SUPPORTS				Y
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00081	PIPE SUPPORTS				Y
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00091	PIPE SUPPORTS				Y
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00101	PIPE SUPPORTS				Y
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00111	PIPE SUPPORTS				Y
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00121	PIPE SUPPORTS				Y
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00131	PIPE SUPPORTS				Y
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00141	PIPE SUPPORTS				Y
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00151	PIPE SUPPORTS				Y
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00381	PIPE SUPPORTS				Y
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00391	PIPE SUPPORTS				Y
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00401	PIPE SUPPORTS				Y
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00411	PIPE SUPPORTS				Y
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00421	PIPE SUPPORTS				Y
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00431	PIPE SUPPORTS				Y
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00441	PIPE SUPPORTS				Y
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00451	PIPE SUPPORTS				Y
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00461	PIPE SUPPORTS				Y
MECH-1		Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00911	PIPE SUPPORTS				Y
MECH-1		Approval	Plant Design	Calculation	25542-000-PHC-AB-00002	PIPE SUPPORT QUALIFICATION CALCULATION				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 design process	22-Nov-10 A	N
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 design process	Mar-11	N
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 design process	Mar-11	
MECH-1		Approval	Plant Design	Calculation	25542-000-PHC-AE-00002	PIPE SUPPORT CALCULATION	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01001	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01011	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01021	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01031	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01041	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01042	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01051	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01052	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01061	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01071	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01072	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01081	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01091	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01092	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01101	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01102	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01111	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01121	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01131	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01141	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01151	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01152	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01161	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01162	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01171	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01181	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01182	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01191	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01201	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01211	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01221	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
MECH-1		Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-01222	FEED WATER SYSTEM PIPE SUPPORT	Bechtel			N
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 design process	Mar-11	Y
MECH-1	G	Approval	Plant Design	Specification	25542-000-3DS-P72G-00012	PIPE INSULATION THICKNESS SCHEDULE	Bechtel		17-Aug-10 A	Y
STRUC-1	NA	Approval	Control Systems	Document	25542-000-V1A-JA34-000##	BOILER SAMPLE PANEL ENCLOSURE STRUCTURAL DESIGN CALCULATIONS	Vendor		Jul-11	
STRUC-1	NA	Approval	Control Systems	Drawing	25542-000-V1A-JA34-000##	BOILER SAMPLE PANEL ENCLOSURE STRUCTURE DRAWING	Vendor		Jul-11	
STRUC-1	NA	Approval	Control Systems	Drawing	25542-000-V1A-JA34-000##	BOILER SAMPLE PANEL ENCLOSURE FOUNDATION LOAD AND INTERFACE DRAWING	Vendor		Jul-11	
STRUC-1	NA	Approval	Control Systems	Document	25542-000-V1A-JA34-000##	DEMIN WATER SAMPLE PANEL ENCLOSURE STRUCTURAL DESIGN CALCULATIONS	Vendor		Jul-11	
STRUC-1	NA	Approval	Control Systems	Drawing	25542-000-V1A-JA34-000##	DEMIN WATER SAMPLE PANEL ENCLOSURE STRUCTURE DRAWING	Vendor		Jul-11	
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	
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
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
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
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AD-00001	P&ID CONDENSATE SYSTEM (PUMPS)	Bechtel		10-Nov-10 A	N
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AD-00002	P&ID CONDENSATE SYSTEM (SPRAYS)	Bechtel		10-Nov-10 A	N
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AD-00003	P&ID CONDENSATE SYSTEM (FW HEATERS)	Bechtel		10-Nov-10 A	N
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AD-00004	P&ID CONDENSATE SYSTEM (ACC STEAM DUCT)	Bechtel		10-Nov-10 A	N
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AD-00005	P&ID CONDENSATE SYSTEM (INTERNAL DRAINS)	Bechtel		10-Nov-10 A	N
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AD-00006	P&ID CONDENSATE SYSTEM (EXTERNAL DRAINS)	Bechtel		10-Nov-10 A	N
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AE-00001	P&ID FEEDWATER SYSTEM (PUMP SUCTION)	Bechtel		06-Oct-10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AE-00002	P&ID FEEDWATER SYSTEM (PUMP DISCHARGE)	Bechtel		06-Oct-10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AE-00003	P&ID FEEDWATER SYSTEM (FW HEATERS)	Bechtel		06-Oct-10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AE-00001	P&ID FEEDWATER SYSTEM (PUMP SUCTION)	Bechtel		06-Oct-10 A	
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AE-00002	P&ID FEEDWATER SYSTEM (PUMP DISCHARGE)	Bechtel		06-Oct-10 A	
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	

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
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
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
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
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
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
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	
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	
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	
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	
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	
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	
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AJ-00001	P&ID CONDENSATE AND FEEDWATER CHEMICAL INJECTION SYSTEM	Bechtel		06-Oct-10 A	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
~~MECH-1~~	~~NA~~	~~Reference~~	~~Mechanical~~	~~P&ID~~	~~25542-001-M6-AR-00001~~	~~P&ID CONDENSER AIR REMOVAL SYSTEM~~	~~Bechtel~~	~~Delete~~	~~Nov-10~~	
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-BM-00001	P&ID BLOWDOWN SYSTEM	Bechtel		Jun-11	
MECH-1	NA	Reference	Mechanical	P&ID	25542-009-M6-FG-00001	P&ID FUEL GAS SYSTEM	Bechtel		21-Sep-10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-FL-00001	P&ID LUBE OIL SYSTEM	Bechtel		Mar-11	
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
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
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
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-PG-00001	P&ID SERVICE GAS SYSTEM	Bechtel		06-Oct-10 A	Y
MECH-1	NA	Approval	Mechanical	P&ID	25542-001-M6-PF-00001	P&ID FIRE PROTECTION SYSTEM	Bechtel		16-Sep-10 A	Y
MECH-1	NA	Approval	Mechanical	P&ID	25542-001-M6-PF-00002	P&ID FIRE PROTECTION SYSTEM	Bechtel		16-Sep-10 A	Y
MECH-1	NA	Approval	Mechanical	P&ID	25542-009-M6-PF-00001	P&ID FIRE PROTECTION SYSTEM	Bechtel		16-Sep-10 A	Y
MECH-1	NA	Approval	Mechanical	P&ID	25542-009-M6-PF-00002	P&ID FIRE PROTECTION SYSTEM	Bechtel		16-Sep-10 A	Y
MECH-1	NA	Approval	Mechanical	P&ID	25542-001-M6-PW-00001	P&ID POTABLE WATER SYSTEM	Bechtel		21-Sep-10 A	Y
MECH-1	NA	Approval	Mechanical	P&ID	25542-001-M6-PW-00002	P&ID POTABLE WATER SYSTEM	Bechtel		21-Sep-10 A	Y
MECH-1	NA	Approval	Mechanical	P&ID	25542-009-M6-PW-00001	P&ID POTABLE WATER SYSTEM	Bechtel		21-Sep-10 A	Y
MECH-1	NA	Approval	Mechanical	P&ID	25542-009-M6-PW-00002	P&ID POTABLE WATER SYSTEM	Bechtel		21-Sep-10 A	Y
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
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
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-SA-00003	P&ID AUXILIARY STEAM SYSTEM	Bechtel		06-Oct-10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-SD-00001	P&ID BOILER FEED PUMP TURBINE	Bechtel		06-Oct-10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-SD-00002	P&ID BOILER FEED PUMP TURBINE	Bechtel		Apr-11	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-SL-00001	P&ID STEAM SEAL SYSTEM	Bechtel		06-Oct-10 A	Y
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
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-WB-00002	P&ID CLOSED COOLING WATER SYSTEM	Bechtel		06-Oct-10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-WB-00003	P&ID CLOSED COOLING WATER SYSTEM	Bechtel		06-Oct-10 A	Y
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
MECH-1	NA	Reference	Mechanical	P&ID	25542-009-M6-WR-00001	P&ID RAW WATER SYSTEM	Bechtel		06-Oct-10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-WS-00001	P&ID SERVICE WATER SYSTEM	Bechtel		06-Oct-10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-WY-00001	P&ID MIRROR WASH WATER SYSTEM	Bechtel		06-Oct-10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-XW-00001	P&ID WASTE WATER SYSTEM	Bechtel		Jun-11	
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-XW-00002	P&ID WASTE WATER SYSTEM	Bechtel		Jun-11	
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-XW-00003	P&ID WASTE WATER SYSTEM	Bechtel		Jun-11	
MECH-1	NA	Reference	Mechanical	P&ID	25542-000-M6J-YA-00001	P&ID SYMBOLS AND LEGENDS	Bechtel		16-Sep-10 A	N
MECH-1	NA	Reference	Mechanical	P&ID	25542-000-M6J-YA-00002	P&ID SYMBOLS AND LEGENDS	Bechtel		16-Sep-10 A	N
MECH-1	NA	Reference	Mechanical	P&ID	25542-000-M6J-YA-00003	P&ID SYMBOLS AND LEGENDS	Bechtel		16-Sep-10 A	N
MECH-1	NA	Reference	Mechanical	P&ID	25542-000-M6J-YA-00004	P&ID SYMBOLS AND LEGENDS	Bechtel		16-Sep-10 A	N
MECH-1	NA	Reference	Mechanical	P&ID	25542-000-M6J-YA-00005	P&ID SYMBOLS AND LEGENDS	Bechtel		16-Sep-10 A	N
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	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 will suffice	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG FEED PIPING ARRANGEMENT	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG FEED PIPING DETAILS	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG LEFT AND RIGHT SW PANELS	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG CORNER PANELS	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG FRONT AND REAR WALL PANELS	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG PANEL INLET AND OUTLET HEADERS	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG STEAM DRUM DETAILS	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG STEAM DRUM INTERNAL ARRANGEMENT AND DETAILS	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	TUBING, HEADERS & PIPING REQS	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SH PANEL INLET AND OUTLET HEADERS	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	HTSH OUTLET HEADER	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	LOWER LEVEL SH PIIPNG & FDR TUBE DTLS	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	UPPER LEVEL SH PIIPNG & REL TUBE DTLS	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SH SPRAY PIPE AND LINER	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	LOWER LEVEL RH PIPING ARRANGEMENT	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	UPPER LEVEL RH PIPING ARRANGEMENT	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	RH PANEL INLET & OUTLER HEADERS	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	MISC PIPING - DRUM, SUPPORTS / BOM	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SV STACKS, SUPPORTS & SILENCERS	Vendor	No PE stamp - ASME certification will suffice	Jun-11	

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
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SPRING HANGERS & SUPPORTS	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	BOILER NAMEPLATE	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	AS-BUILTS	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	MISC FW ATTACHMENTS	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG PIPING AND INSTRUMENTATION DIAGRAMS	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Approval	Mechanical	List	25542-000-V1A-MBST-000##	INSTRUMENT LIST	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Approval	Mechanical	List	25542-000-V1A-MBST-000##	ELECTRICAL LOAD LIST	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Approval	Mechanical	List	25542-000-V1A-MBST-000##	ELECTRICAL HEAT TRACE POWER LIST	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	INSTRUMENT LOCATION DRAWINGS	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	ELECTRICAL EQUIPMENT LAYOUT	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	INSTRUMENT INSTALLATION DETAILS	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	NA	Reference	Mechanical	Document	25542-000-V1A-MBST-000##	ISO CERTIFICATE OR QUALITY ASSURANCE MANUAL	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	NA	Reference	Mechanical	Document	25542-000-V1A-MBST-000##	OVERALL PROJECT SCHEDULE	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	NA	Reference	Mechanical	Document	25542-000-V1A-MBST-000##	SUPPLIER QUALITY MANAGEMENT PROGRAM	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
~~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 will suffice~~	~~Nov-10~~	
~~MECH-1~~		~~Approval~~	~~Mechanical~~	~~Drawing~~	~~25542-000-V1A-MBST-000##~~	~~NTE column loads and loading~~	~~Vendor~~	~~No PE stamp - ASME certification will suffice~~	~~Nov-10~~	
~~MECH-1~~		~~Approval~~	~~Mechanical~~	~~Drawing~~	~~25542-000-V1A-MBST-000##~~	~~Proposed framed steam arrangement and model (STAAD Model)~~	~~Vendor~~	~~No PE stamp - ASME certification will suffice~~	~~Nov-10~~	
~~MECH-1~~		~~Approval~~	~~Mechanical~~	~~Drawing~~	~~25542-000-V1A-MBST-000##~~	~~Structural Steel Standard Detail Drawings~~	~~Vendor~~	~~No PE stamp - ASME certification will suffice~~	~~Nov-10~~	
~~MECH-1~~		~~Approval~~	~~Mechanical~~	~~Document~~	~~25542-000-V1A-MBST-000##~~	~~Stairway interface locations and loads~~	~~Vendor~~	~~No PE stamp - ASME certification will suffice~~	~~Nov-10~~	
~~MECH-1~~		~~Approval~~	~~Mechanical~~	~~Document~~	~~25542-000-V1A-MBST-000##~~	~~Final Anchor bolt sizes & locations for boiler support structure to boiler tower interface~~	~~Vendor~~	~~No PE stamp - ASME certification will suffice~~	~~Nov-10~~	
~~MECH-1~~		~~Approval~~	~~Mechanical~~	~~Document~~	~~25542-000-V1A-MBST-000##~~	~~Steel Framing Design~~	~~Vendor~~	~~No PE stamp - ASME certification will suffice~~	~~Nov-10~~	
~~MECH-1~~		~~Approval~~	~~Mechanical~~	~~Document~~	~~25542-000-V1A-MBST-000##~~	~~Structural and miscellaneous steel drawings.~~	~~Vendor~~	~~No PE stamp - ASME certification will suffice~~	~~Nov-10~~	
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG PIPING ARRANGEMENT DRAWINGS	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
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 will suffice	Jun-11	
MECH-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	HOISTS ARRANGEMENT DRAWINGS	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	BOILER HANGER ASSEMBLY LUGS ARRANGEMENT DRAWING	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	NA	Reference	Mechanical	List	25542-000-V1A-MBST-000##	LINE LIST	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	NA	Reference	Mechanical	List	25542-000-V1A-MBST-000##	WELD LIST	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	CONCEPTUAL BLOCK DIAGRAM	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	ELECTRICAL WIRING DIAGRAMS	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	G	Approval	Mechanical	Document	25542-000-V1A-MBST-000##	ELECTRONIC SUBMITTAL DATA - CABLES	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-1	NA	Reference	Mechanical	Document	25542-000-V1A-MBST-000##	BOILER PERFORMANCE TEST PROCEDURE	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
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 will suffice	Jun-11	
MECH-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	DRAWINGS FOR LIFTING AND TILTING BEAMS	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MBFD-000##	AUXILIARY BOILER ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp - ASME certification will suffice	Jul-11	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MBFD-000##	AUXILIARY BOILER GENERAL ARRANGMENT / LAYOUT	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
STRUC-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBFD-000##	AUXILIARY BOILER FOUNDATION INTERFACE DRAWING (INCLUDING CALCULATION)	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
MECH-2	NA	Approval	Mechanical	Document	25542-000-V2A-MBFD-000##	NIGHT PRESERVATION BOILER ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V2A-MBFD-000##	NIGHT PRESERVATION BOILER GENERAL ARRANGMENT / LAYOUT	Vendor	No PE stamp - ASME certification will suffice	Jul-11	
STRUC-1	NA	Approval	Mechanical	Drawing	25542-000-V2A-MBFD-000##	NIGHT PRESERVATION BOILER FOUNDATION INTERFACE DRAWING	Vendor	No PE stamp - ASME certification will suffice	Jul-11	
MECH-2	NA	Approval	Mechanical	Document	25542-000-V1A-MBHS-000##	ELECTRICAL SUPERHEATER ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp	Jun-11	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MBHS-000##	ELECTRICAL SUPERHEATER SUPERHEATER GENERAL ARRANGEMENT	Vendor		Jul-11	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MBHS-000##	ELECTRICAL SUPERHEATER FOUNDATION INTERFACE DRAWING	Vendor		Jul-11	
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	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MCRA-000##	AIR COMPRESSOR GENERAL ARRANGMENT (INCLUDES FOUNDATION INTERFACE DETAILS)	Vendor		Jun-11	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MCRA-000##	AIR DRYER GENERAL ARRANGMENT (INCLUDES FOUNDATION INTERFACE DETAILS)	Vendor		Jun-11	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MCRA-000##	AIR RECEIVER GENERAL ARRANGEMENT (INCLUDES FOUNDATION INTERFACE DETAILS)	Vendor		Jun-11	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MEAA-000##	ACC GENERAL ARRANGEMENT	Vendor		Jun-11	
STRUC-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MEAA-000##	ACC FOUNDATION INTERFACE DRAWING	Vendor		Jun-11	
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	
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MEAA-000##	ACC ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp - certification will suffice	01-Jul-11*	
STRUC-1	G	Approval	Mechanical	Document	25542-000-V1A-MEAA-000##	ACC STRUCTURAL DESIGN CALCULATIONS	Vendor		Jun-11	
STRUC-1	G	Approval	Mechanical	Document	25542-000-V1A-MEAA-000##	ACC STATEMENT OF SPECIAL INSPECTIONS	Bechtel		Jun-11	
STRUC-1	NA	Approval	Mechanical	Resume	25542-000-V1A-MEAA-000##	PE RESUME	Vendor		Jun-11	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MEAW-000##	WSAC GENERAL ARRANGEMENT	Vendor		Mar-11	
STRUC-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MEAW-000##	WSAC FOUNDATION INTERFACE DRAWING	Vendor		Mar-11	
STRUC-1	NA	Approval	Mechanical	Resume	25542-000-V1A-MEAW-000##	WSAC PE RESUME	Vendor		Mar-11	
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MESW-000##	FEED WATER HEATERS ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp - ASME certification will suffice	Jun-11	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MESW-000##	FEED WATER HEATERS GENERAL ARRANGEMENT DRAWING	Vendor		Jun-11	
STRUC-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MESW-000##	FEED WATER HEATERS FOUNDATION INTERFACE DRAWING	Vendor		Jun-11	
STRUC-1	NA	Approval	Mechanical	Resume	25542-000-V1A-MESW-000##	PE RESUME	Vendor		Jun-11	
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	
STRUC-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MGED-000##	DIESEL GENERATOR STRUCTURAL CALCULATION	Vendor		Jun-11	
STRUC-4	NA	Approval	Mechanical	Drawing	25542-000-V1A-MGED-000##	DIESEL TANK GENERAL ARRANGEMENT AND CALCULATION	Vendor		Jun-11	
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MGED-000##	EMERGENCY DIESEL GENERATOR FOUNDATION	Vendor		Jun-11	
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MGED-000##	PE RESUME	Vendor		Jun-11	
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*	
ELEC-1	G	Approval	Mechanical	Document	25542-000-V1A-MGED-000##	DIESEL GENERATOR ONE LINE DIAGRAM	Vendor		Jun-11	
AQ-35	NA	Approval	Mechanical	Document	25542-000-V1A-MGED-000##	DIESEL ENGINE HOUR TIMER SPECIFICATION FOR CPM	Vendor	No PE stamp	Jun-11	
STRUC-1	G	Reference	Civil	Drawing	25542-000-V1A-MPGF-000##	FIRE WATER PUMP GENERAL ARRANGEMENT (INCL FOUNDATION LOAD DATA)	Vendor		Mar-11	

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
STRUC-4	G	Approval	Mechanical	Drawing	25542-000-V1A-MPGF-000##	FIRE WATER PUMP DIESEL TANK GENERAL ARRANGEMENT AND CALCULATION	Vendor		Mar-11	
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MPGF-000##	PE RESUME	Vendor		Mar-11	
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	
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	
STRUC-4	NA	Reference	Mechanical	Drawing	25542-000-V1A-MPPM-000##	CHEMICAL FEED SKIDS GENERAL ARRANGEMENT DRAWINGS	Vendor		Jul-11	
MECH-2	NA	Approval	Mechanical	Document	25542-000-V1A-MSXF-000##	FUEL GAS HEATER ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp - certification will suffice	Jun-11	
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 suffice	Jun-11	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-EYM0-00001	JENSEN PRECAST 10X10X10 ELECTRICAL MANHOLE, YM105	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-EYM0-00002	JENSEN PRECAST 8X8X10 ELECTRICAL MANHOLE, YM107	Vendor			N
STRUC-1	NA	Reference	Civil	Drawing	25542-000-V1A-MSXF-000##	KNOCK OUT DRUM GENERAL ARRANGEMENT (INCL FOUNDATION INTERFACE DATA)	Vendor		Jul-11	
STRUC-1	NA	Reference	Civil	Drawing	25542-000-V1A-MSXF-000##	FUEL GAS ELECTRIC HEATER GENERAL ARRANGEMENT (INCL FOUNDATION INTERFACE DATA)	Vendor		Jul-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	
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-MT00-000##	CODE DESIGN CALCULATIONS - RAW/FIRE WATER STORAGE TANK	Vendor		Jun-11	
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	
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-MT00-000##	CODE DESIGN CALCULATIONS - DEMINERALIZED WATER STORAGE TANK	Vendor		Jun-11	
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	
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-MT00-000##	CODE DESIGN CALCULATIONS - MIRROR WASH WATER STORAGE TANK	Vendor		Jun-11	
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MT00-000##	PE RESUME	Vendor		Jun-11	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-MTSC-000##	SRSG BLOWDOWN TANK GENERAL ARRANGEMENT (INCL FOUNDATION INTERFACE DATA)	Vendor		Jun-11	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-MTSC-000##	SRSG FLASH TANK GENERAL ARRANGEMENT (INCL FOUNDATION INTERFACE DATA)	Vendor		Jun-11	
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	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-MTSC-000##	CLOSED COOLING WATER HEAD TANK LOAD DATA	Vendor		Jun-11	
MECH-2	NA	Approval	Mechanical	Document	25542-000-V1A-MTSC-000##	ASME CODE COMPLIANCE DOCUMENTS (PRESSURE VESSEL)	Vendor	No PE stamp - certification will suffice	May-11	
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MTSC-000##	PE RESUME	Vendor		Jun-11	
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MUSG-000##	STEAM TURBINE GENERATOR ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp - certification will suffice	Jun-11	
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MUSG-000##	STEAM TURBINE GENERATOR ENCLOSURE	Vendor		May-11	
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	
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MUSG-000##	STEAM TURBINE GENERATOR FOUNDATION LOADS AND DESIGN REQUIREMENT	Vendor		May-11	
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MUSG-000##	STEAM TURBINE GENERATOR FOUNDATION LAYOUT	Vendor		May-11	
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MUSG-000##	STEAM TURBINE GENERATOR CIVIL INFORMATION AND GENERAL ARRANGEMENT DRAWING	Vendor		May-11	
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MUSG-000##	PE RESUME	Vendor		Aug-10	
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MVR0-000##	DEAERATOR ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp - certification will suffice	May-11	
STRUC-1	NA	Reference	Civil	Drawing	25542-000-V1A-MVR0-000##	DEAERATOR GENERAL ARRANGEMENT DRAWING	Vendor	No PE stamp - certification will suffice	May-11	
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MVR0-000##	DEAERATOR FOUNDATION INTERFACE DRAWING	Vendor		May-11	
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MVR0-000##	PE RESUME	Vendor		May-11	
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MVR0-000##	DEAERATOR STRUCTURAL STEEL STATEMENT OF SPECIAL INSPECTIONS (CBC CH. 17)	Vendor		May-11	
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MWDC-000##	CONDENSATE POLISHER VESSELS ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp - certification will suffice	May-11	
STRUC-1	G	Reference	Civil	Drawing	25542-000-V1A-MWDC-000##	CONDENSER POLISHER FOUNDATION INTERFACE DRAWING	Vendor		Mar-11	
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MWKW-000##	HYDRO-PNEUMATIC TANK ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp - certification will suffice	May-11	
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	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-PY21-000##	FIRE PROTECTION SYSTEM TYPICAL DEVICE LAYOUT, MOUNTING AND WIRING DETAILS	Vendor		May-11	
MECH-1	NA	Reference	Mechanical	Document	25542-000-V1A-PY21-000##	FIRE PROTECTION SYSTEM BILL OF MATERIAL	Vendor		May-11	
MECH-1	G	Approval	Mechanical	Document	25542-000-V1A-PY21-000##	FIRE PROTECTION SYSTEM HYDRAULIC CALCULATIONS	Vendor		May-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-PY21-000##	FIRE CONTROL PANEL, CONTROLS & WIRING DETAILS	Vendor		May-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-PY21-000##	FIRE EXTINGUISHER LOCATION PLANS	Vendor		May-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-PY21-000##	FIRE PROTECTION SYSTEM TYPICAL ISOMETRIC DRAWINGS	Vendor		May-11	
MECH-1	NA	Approval	Mechanical	Resume	25542-000-V1A-PY21-000##	PE RESUME	Vendor		May-11	
STRUC-1	G	Reference	Civil	Drawing	25542-000-V1A-MPGB-000##	BOILER FEED PUMP GENERAL ARRANGEMENT DRAWING (INCL FOUNDATION INTERFACE DATA)	Vendor		May-11	
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MPGB-000##	PE RESUME	Vendor		May-11	
STRUC-4	NA	Approval	Civil	Drawing	25542-000-V1A-MPGB-000##	BOILER FEED PUMP LUBE OIL TANK GENERAL ARRANGEMENT AND CALCULATION	Vendor		May-11	
STRUC-4	NA	Approval	Civil	Drawing	25542-000-V1A-MPGB-000##	BOILER FEED PUMP HYDRAULIC OIL TANK GENERAL ARRANGEMENT AND CALCULATION	Vendor		May-11	
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	
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-MLGP-000##	OIL WATER SEPERATOR STRUCTURAL CALCULATION	Vendor		Jun-11	
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MLGP-000##	PE RESUME	Vendor		Jun-11	
STRUC-1	NA	Approval	Civil	Report	25542-000-1A-MXHS-00083	HELIOSTAT WIND TUNNEL TEST REPORT	Vendor			N
STRUC-1	NA	Approval	Civil	Data Sheet	25542-000-1A-MXHS-00084	HELIOSTAT MATERIAL AND FASTENER DATA SHEETS	Vendor			N
STRUC-1	NA	Approval	Civil		25542-000-1A-MXHS-00085	HELIOSTAT DESIGN SUMMARY	Vendor			N
STRUC-1	NA	Approval	Civil		25542-000-1A-MXHS-00086	HELIOSTAT DRAWIINGS PACKAGE	Vendor			N
STRUC-1	NA	Approval	Civil		25542-000-1A-MXHS-00087	HELIOSTAT EARTHQUAKE LAOD ANALYSIS	Vendor			N
STRUC-1	NA	Approval	Civil		25542-000-1A-MXHS-00088	HELIOSTAT WIND LOAD ANALYSIS	Vendor			N
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

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
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			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00006	PAD BUILDING LOAD DRAWING	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00023	PAD BONDING BUILDING - 81FT X 116 FT PAVILION FABRIC INSTALLATION DETAILS	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00024	PAD BOND BUILDING - 81FT X 116FT PAVILION ENDWALL	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00025	PAD BOND BUILDING - 81FT X 116FT PAVILION MIDDLE SECTION	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00026	PAD BOND BUILDING - 81FT X 116FT PAVILION ENDWALL	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00027	PAD BOND BUILDING - 81FT X 116FT PAVILION GENERAL NOTES	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00028	PAD BOND BUILDING - 81FT X 116FT PAVILION WIRE ROPE	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00029	PAD BOND BUILDING - 81FT X 116FT PAVILION FRAMES, CONNECTIONS, AND BRACING LAYOUT	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00030	PAD BOND BUILDING - 81FT X 116FT PAVILION ENDWALL INSTALLATION	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00031	PAD BOND BUILDING - 81FT X 116FT PAVILION DOOR HEADER AND VENT INSTALLATION	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00099	PAD BOND BUILDING - 81FT X 116FT PAVILIONPOCKET BEAM INSTALLATION	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00100	PAD BOND BUILDING - 81FT X 116FT PAVILION FABRIC INSTALLATION DETAILS	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00105	PAD BOND BUILDING - 81FT X 116FT PAVILION FRAME LEG L1, L1M, L2	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00106	PAD BOND BUILDING - 81FT X 116FT PAVILION EAVE CURVE C1 AND C2	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00107	PAD BOND BUILDING - 81FT X 116FT PAVILION TOP CURVE C1T AND C2T	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00108	PAD BOND BUILDING - 81FT X 116FT PAVILION STRAIGHT S1 AND S2	Vendor			N
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			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00110	PAD BOND BUILDING - 81FT X 116FT PAVILION SNOW BREAK P3	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00111	PAD BOND BUILDING - 81FT X 116FT PAVILION POCKET BEAM PB1 - PB12	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00112	PAD BOND BUILDING - 81FT X 116FT PAVILION GIRT G1 - G10	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00113	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W1	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00114	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W2	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00115	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W3	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00116	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W4	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00117	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W5	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00118	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W6	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00119	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W7	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00120	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W8	Vendor			N
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			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00122	PAD BOND BUILDING - 81FT X 116FT PAVILION OVERHEAD DOOR HEADER H77-2	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00123	PAD BOND BUILDING - 81FT X 116FT PAVILION OVERHEAD DOOR HEADER H77-3	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00124	PAD BOND BUILDING - 81FT X 116FT PAVILION OVERHEAD DOOR HEADER H77-4	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00125	PAD BOND BUILDING - 81FT X 116FT PAVILION DOOR POST H17-1	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00126	PAD BOND BUILDING - 81FT X 116FT PAVILION TYPICAL TRUSS DETAIL	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00127	PAD BOND BUILDING - 81FT X 116FT PAVILION HARDWARE DETAILS	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00128	PAD BOND BUILDING - 81FT X 116FT PAVILION VENT FRAME V1	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00129	PAD BOND BUILDING - 81FT X 116FT PAVILION DETAIL OF GALVANIZING DRAIN HOLE	Vendor			N
STRUC-1	NA	Approval	Civil	Calculation	25542-000-V1B-AK00-00057	STRUCTURAL CALCULATIONS 121FT X 400FT PVAILION HELIOSTAT ASSEMBLY BUILDING	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00005	HELIOSTAT ASSEMBLY BUILDING LOAD DRAWING	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00043	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION DOOR INSTALLATION	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00044	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION GENERAL MAP LAYOUT	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00045	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION ENDWALL	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00046	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION MIDDLE SECTION NO QC SCANNER	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00047	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION MIDDLE SECTION QC SCANNER	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00048	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION ENDWALL 2	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00049	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION SIDEWALL E ELEVATION VIEW	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00050	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION SIDEWALL B ELEVATION VIEW	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00051	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION GENERAL NOTES	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00052	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION WIRE ROPE	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00053	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION RAMES, CONNECTIONS AND BRACING LAYOUT	Vendor			N
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			N
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			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00056	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION ENDWALL INSTALLATION	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00042	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION ENDWALL INSTALLATION DETAIL	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00020	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION POCKET BEAM INSTALLATION	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00101	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION FABRIC INSTALLATION DETAILS	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00022	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION FRAME LEGS L1, L1M, L2	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00064	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION FRAME LEGS L1, L1M, L2	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00065	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION LOW STRAIGHT S1, S1M, S10	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00130	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION MIDDLE STRAIGHT S2, S20	Vendor			N

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
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			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00132	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION LEG 11, L11M	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00133	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION STRAIGHT S11, S11M	Vendor			N
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			N
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			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00136	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION POCKET BEAM PB1 - PB5	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00137	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION COLUMN W1	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00138	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION COLUMN W2	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00139	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION COLUMN W3	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00140	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION COLUMN W4	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00141	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION COLUMN W5	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00142	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION COLUMN W6	Vendor			N
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			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00144	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION DOOR POST H17-1	Vendor			N
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			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00146	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION DOOR HEADER H2	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00147	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION TYPICAL TRUSS DETAIL	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00148	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION HARDWARE DETAILS	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00152	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION PURLIN P5, P6	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00153	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION PURLIN P4 AND X1	Vendor			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-00154	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION DETAIL OF GALVANIZING DRAIN HOLE	Vendor			N
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~~	
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	
TSE-5	T	Approval	STE/Civil	Drawing	25542-002-DB-3510-00001	SWITCHYARD CONCRETE FOUNDATION GENERAL ARRANGEMENT PLAN	Bechtel		May-11	
TSE-5	T	Approval	STE/Civil	Drawing	25542-003-DB-3510-00001	SWITCHYARD CONCRETE FOUNDATION GENERAL ARRANGEMENT PLAN	Bechtel		May-11	
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-DB-3590-00001	SWITCHYARD CONCRETE FOUNDATIONS CT AND VT	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-DB-3590-00002	SWITCHYARD CONCRETE FOUNDATIONS BS AND SA	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-DB-3590-00003	SWITCHYARD CONCRETE FOUNDATIONS CB AND DS	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00001	FOUNDATION CALC - 115 KV BUS SUPPORT	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00002	FOUNDATION CALC - 115 KV CIRCUIT BREAKER	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00003	FOUNDATION CALC - 115 KV CURRENT TRANSFORMER	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00004	FOUNDATION CALC - 115 KV DISCONNECT SWITCH	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00005	FOUNDATION CALC - 115 KV SURGE ARRESTER	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00006	FOUNDATION CALC - 115 KV VOLTAGE TRANSFORMER	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00007	FOUNDATION CALC - 115 KV CABLE TERMINATOR	Bechtel		May-11	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-E1-EZ-00001	SWITCHYARD SINGLE LINE METER & RELAY DIAGRAM	Bechtel		Mar-11	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-EG-3510-00001	SWITCHYARD GROUNDING PLAN	Bechtel		Aug-11	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-EG-3590-00002	SWITCHYARD GROUNDING SECTIONS AND DETAILS	Bechtel		Aug-11	
TSE-5	T	Approval	STE/Elect.	Calculation	25542-001-EMC-EZ-00001	SWITCHYARD RELAY SETTINGS	Bechtel		Nov-11	
TSE-5	T	Approval	STE/Elect.	Calculation	25542-002-EMC-EZ-00001	SWITCHYARD RELAY SETTINGS	Bechtel		Nov-11	
TSE-5	T	Approval	STE/Elect.	Calculation	25542-003-EMC-EZ-00001	SWITCHYARD RELAY SETTINGS	Bechtel		Nov-11	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-ER-3501-00001	SWITCHYARD UNDERGROUND RACEWAY PLAN	Bechtel		May-11	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-ER-3510-00001	SWITCHYARD ABOVE GRADE CONDUIT DETAILS	Bechtel		May-11	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-001-EZ-3510-00001	SWITCHYARD GENERAL ARRANGEMENT	Bechtel		May-11	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-002-EZ-3510-00001	SWITCHYARD GENERAL ARRANGEMENT	Bechtel		May-11	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-003-EZ-3510-00001	SWITCHYARD GENERAL ARRANGEMENT	Bechtel		May-11	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-EZ-3590-00001	SWITCHYARD SECTIONS AND DETAILS	Bechtel		May-11	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-EZ-3590-00002	SWITCHYARD ELECTRICAL HARDWARE DETAILS	Bechtel		May-11	
TSE-5	T	Approval	STE/Civil	Drawing	25542-001-SS-3510-00001	SWITCHYARD EQUIPMENT SUPPORT STRUCTURES ARRANGEMENT PLAN	Bechtel		Mar-11	
TSE-5	T	Approval	STE/Civil	Drawing	25542-002-SS-3510-00001	SWITCHYARD EQUIPMENT SUPPORT STRUCTURES ARRANGEMENT PLAN	Bechtel		Mar-11	
TSE-5	T	Approval	STE/Civil	Drawing	25542-003-SS-3510-00001	SWITCHYARD EQUIPMENT SUPPORT STRUCTURES ARRANGEMENT PLAN	Bechtel		Mar-11	
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-SS-3590-00001	SWITCHYARD STRUCTURAL STEEL EQUIPMENT SUPPORT STRUCTURE FOR INSULATOR	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-SS-3590-00002	SWITCHYARD STRUCTURAL STEEL EQUIPMENT SUPPORT STRUCTURE FOR DS	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-SS-3590-00003	SWITCHYARD STRUCTURAL STEEL EQUIPMENT SUPPORT STRUCTURE FOR CT	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-SS-3590-00004	SWITCHYARD STRUCTURAL STEEL EQUIPMENT SUPPORT STRUCTURE FOR VT	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-SS-3590-00005	SWITCHYARD STRUCTURAL STEEL EQUIPMENT SUPPORT STRUCTURE FOR SA	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-SSC-3510-00001	STRUCTURAL CALC - 115 KV BUS SUPPORT	Bechtel		Apr-11	N
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-SSC-3510-00002	STRUCTURAL CALC - 115 KV CURRENT TRANSFORMER SUPPORT	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-SSC-3510-00003	STRUCTURAL CALC - 115 KV SURGE ARRESTER SUPPORT	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-SSC-3510-00004	STRUCTURAL CALC - 115 KV VOLTAGE TRANSFORMER SUPPORT	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-SSC-3510-00005	STRUCTURAL CALC - 115 KV DISCONNECT SWITCH STEEL SUPPORT	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EMC3-000##	DATA SHEET FOR HV CURRENT TRANSFORMER	Vendor		May-11	
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EMT3-000##	DATA SHEET FOR VOLTAGE TRANSFORMER	Vendor		May-11	
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-ENA3-000##	DATA SHEET FOR HV CIRCUIT BREAKER	Vendor		May-11	
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			N
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			N
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			N
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			N
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			N
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00007	UNIT 2 AND 3 115/33KV OVERHEAD LINE STRUCTURE WORK LIST	Vendor			N
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			N

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
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			N
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			N
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			N
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			N
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			N
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00016	UNIT 2 AND 3 115/33KV OVERHEAD LINE MASTER MATERIAL LIST	Vendor			N
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00021	UNIT 2 AND 3 115KV OVERHEAD LINE LOADING TREE AND FOUNDATION DETAIL	Vendor			N
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			N
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			N
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00039	SPEC FOR STEEL TRANSMISSION POLES UNIT 1 AND 2	Vendor			N
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00040	DESIGN CRITERIA FOR HIGH VOLTAGE TRANSMISSION LINES	Vendor			N
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00041	SPEC FOR STEEL TRANSMISSION POLES	Vendor			N
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00042	OVERHEAD TRANSMISSION LINE 33/115 KV SYSTEM STRINGING CHARTS DRAKE CONDUCTOR	Vendor			N
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-EZ00-00043	PLS CADD STRUCTURE LOADS OUTPUT	Vendor			N
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-000##	DATA SHEET FOR HIGH VOLTAGE UNDERGROUND CABLE	Vendor		May-11	
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	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00036	UNIT 2 115KV UNDERGROUND CABLE AND OVERHEAD LINE ROUTING PLAN	Vendor			N
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			N
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00038	UNIT 2 115KV UNDERGROUND TO OVERHEAD DETAILED TRANSITION YARD PLAN	Vendor			N
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00039	UNIT 2 115KV SYSTEM BONDING SCHEMATIC	Vendor			N
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00040	UNIT 2 115KV TRANSITION YARD COMMON AREA FENCE AND GATE DETAIL	Vendor			N
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			
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			N
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			N
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			N
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			N
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			N
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			N
TSE-5	T	Approval	STE/Civil	Calculation	25542-001-V1A-EWZ0-000##	FOUNDATION CALC - 115 KV OHTL TAKEOFF TOWER	Vendor		May-11	
TSE-5	T	Approval	STE/Civil	Calculation	25542-001-V1A-EWZ0-000##	STRUCTURAL CALC - 115 KV OHTL TAKEOFF TOWER	Vendor		May-11	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-001-V1A-EWZ0-000##	UNDERGROUND TRANSMISSION LINE ROUTING	Vendor		May-11	
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	
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	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-002-V1A-EWZ0-000##	UNDERGROUND TRANSMISSION LINE ROUTING	Vendor		May-11	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-003-V1A-EWZ0-000##	UNDERGROUND TRANSMISSION LINE ROUTING	Vendor		May-11	
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EYG3-000##	DATA SHEET FOR HV SURGE ARRESTER	Vendor		May-11	
~~TSE-5~~		~~Approval~~	~~STE/Civil~~	~~Calculation~~	~~25542-001-V1A-EZ00-000##~~	~~FOUNDATION CALC - 115 KV OVERHEAD TRANSMISSION LINE POLES~~	~~Vendor~~	~~DELETE~~	~~Nov-10~~	
~~TSE-5~~		~~Approval~~	~~STE/Civil~~	~~Calculation~~	~~25542-001-V1A-EZ00-000##~~	~~LOADING TREE CALCULATION OVERHEAD TRANSMISSION LINE POLES~~	~~Vendor~~	~~DELETE~~	~~Apr-11~~	
~~TSE-5~~		~~Approval~~	~~STE/Civil~~	~~Drawing~~	~~25542-001-V1A-EZ00-000##~~	~~OVERHEAD TRANSMISSION LINE PLAN AND PROFILE~~	~~Vendor~~	~~DELETE~~	~~Apr-11~~	
~~TSE-5~~		~~Approval~~	~~STE/Civil~~	~~Drawing~~	~~25542-001-V1A-EZ00-000##~~	~~OVERHEAD TRANSMISSION LINE STRINGING CHART~~	~~Vendor~~	~~DELETE~~	~~Apr-11~~	
~~TSE-5~~		~~Approval~~	~~STE/Civil~~	~~Drawing~~	~~25542-001-V1A-EZ00-000##~~	~~FOUNDATIONS OVERHEAD TRANSMISSION LINE POLES~~	~~Vendor~~	~~DELETE~~	~~Feb-11~~	

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
~~TSE-5~~		~~Approval~~	~~STE/Civil~~	~~Drawing~~	~~25542-001-V1A-EZ00-000##~~	~~LOADING TREE DIAGRAM FOR OVERHEAD TRANSMISSION LINE POLES~~	~~Vendor~~	~~DELETE~~	~~Apr-11~~	
TSE-5	T	Approval	STE/Civil	Calculation	25542-002-V1A-EZ00-000##	FOUNDATION CALC - 115 KV OVERHEAD TRANSMISSION LINE POLES	Vendor		May-11	
TSE-5	T	Approval	STE/Civil	Calculation	25542-002-V1A-EZ00-000##	LOADING TREE CALCULATION OVERHEAD TRANSMISSION LINE POLES	Vendor		May-11	
TSE-5	T	Approval	STE/Civil	Drawing	25542-002-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE PLAN AND PROFILE	Vendor		May-11	
TSE-5	T	Approval	STE/Civil	Drawing	25542-002-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE STRINGING CHART	Vendor		May-11	
TSE-5	T	Approval	STE/Civil	Drawing	25542-002-V1A-EZ00-000##	FOUNDATIONS OVERHEAD TRANSMISSION LINE POLES	Vendor		May-11	
TSE-5	T	Approval	STE/Civil	Drawing	25542-002-V1A-EZ00-000##	LOADING TREE DIAGRAM FOR OVERHEAD TRANSMISSION LINE POLES	Vendor		May-11	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-002-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE CONDUCTOR & SHIELD WIRE PLAN	Vendor		Mar-11	
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	
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	
TSE-5	T	Approval	STE/Civil	Calculation	25542-003-V1A-EZ00-000##	FOUNDATION CALC - 115 KV OVERHEAD TRANSMISSION LINE POLES	Vendor		May-11	
TSE-5	T	Approval	STE/Civil	Calculation	25542-003-V1A-EZ00-000##	LOADING TREE CALCULATION OVERHEAD TRANSMISSION LINE	Vendor		May-11	
TSE-5	T	Approval	STE/Civil	Drawing	25542-003-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE PLAN AND PROFILE	Vendor		May-11	
TSE-5	T	Approval	STE/Civil	Drawing	25542-003-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE STRINGING CHART	Vendor		May-11	
TSE-5	T	Approval	STE/Civil	Drawing	25542-003-V1A-EZ00-000##	FOUNDATIONS OVERHEAD TRANSMISSION LINE POLES	Vendor		May-11	
TSE-5	T	Approval	STE/Civil	Drawing	25542-003-V1A-EZ00-000##	LOADING TREE DIAGRAMS FOR OVERHEAD TRANSMISSION LINE	Vendor		May-11	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-003-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE CONDUCTOR & SHIELD WIRE PLAN	Vendor		Mar-11	
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	
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	
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
TSE-2	NA	Approval	STE/Elect.	Resume	25542-000-V1A-EWZ0-000##	Responsible Electrical Engineer Resume and Registration	Vendor		May-11	Y
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
TSE-2	NA	Approval	Electrical	Resume	25542-000-V1A-EZ00-000##	Responsible Electrical Engineer Resume and Registration	Vendor		Mar-11	Y
TSE-5	T	Approval	STE/Elect.	Calculation	25542-000-V1A-EWZ0-000##	UNDERGROUND TRANSMISSION LINE AMPACITY CALCULATION	Vendor		May-11	
TSE-5	T	Approval	STE/Elect.	Document	25542-000-V1A-EWZ0-000##	DESIGN CRITERIA FOR UNDERGROUND TRANSMISSION LINE	Vendor		May-11	
TSE-5	T	Approval	STE/Elect.	Document	25542-000-V1A-EWZ0-000##	DESIGN CRITERIA FOR OVERHEAD TRANSMISSION LINE	Vendor		Mar-11	
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
STRUC-1	NA	Approval	Civil	Document	25542----	STATEMENT OF SPECIAL INSPECTIONS - BECHTEL CIVIL/STRUCTURAL WORK (CBC CH. 17)	Bechtel		20-Dec-10 A	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-C0-0090-00001	SITE WORK SHEET 1 - NOTES, LEGEND 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
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-C2-0000-00002	VICINITY PLAN	Bechtel		04-Jun-10 A	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-C2-0000-00003	TOPOGRAPHY PLAN	Bechtel		04-Jun-10 A	Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-C2-0010-00001	UNITS 1, 2 COMMON FENCE PLAN	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
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
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CD-0000-00001	Hydrology Map Pre-Development	Bechtel		04-Jun-10 A	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CD-0000-00002	Hydrology Map Post-Development	Bechtel		04-Jun-10 A	Y
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

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
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
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
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-C2-0010-00002	FENCING PLAN - SHEET 2	Bechtel		04-Jun-10 A	Y
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	NA	Approval	Civil	Drawing	25542-001-C2-0011-00001	IVANPAH 1 PLAN - DISTURBANCE AREA	Bechtel			Y
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
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
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
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
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
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	
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	
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
CIVIL-1	NA	Approval	Civil	Drawing	25542-009-CG-0010-00002	IVANPAH COMMON AREA ADMINISTRATION BUILDING AND WELLS ROUGH GRADING PLAN	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
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	
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
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
CIVIL-1	NA	Approval	Civil	Drawing	25542-002-CS-0011-00001	IVANPAH 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	
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-009-CS-0010-00001	COMMON AREA - FINISH GRADING PLAN	Bechtel		29-Oct-10 A	
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
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
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
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
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
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
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
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
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
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00010	ROADWAY GRADING & PAVING PLAN - SHEET 10	Bechtel		Mar-11	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00011	ROADWAY GRADING & PAVING PLAN - SHEET 11	Bechtel		Mar-11	
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
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00013	ROADWAY GRADING & PAVING PLAN - SHEET 13	Bechtel		Mar-11	Y
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	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-1	NA	Approval	Civil	Drawing	25542-000-DA-3310-0003	GSU TRANSFORMER AND AUX TRANSFORMER FDN PRECAST WALL SECTIONS AND DETAILS	Bechtel			N
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	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-0410-00001	Steam Turbine Platform FOUNDATION PLAN	Bechtel		Jun-11	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-0490-00001	Steam Turbine Platform FOUNDATION SECTIONS & DETAILS	Bechtel		Jun-11	
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
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1120-00001	Solar TOWER ELEVATED SLAB PLANS	Bechtel		Jun-11	
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
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1110-00001	Solar TOWER FOUNDATION REINFORCING PLAN	Bechtel		20-Dec-10 A	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1190-00001	Solar TOWER FOUNDATION REINFORCING SECTIONS & DETAILS	Bechtel		20-Dec-10 A	N
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			N

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
STRUC-1		Approval	Civil	Drawing	25542-000-DB-1410-00003	ED ID PUMP FOUNDATION PLAN AND SECTION	Bechtel			N
STRUC-1		Approval	Civil	Drawing	25542-000-DB-1410-00004	EDT IDT TANK FOUNDATION LAN AND SECTION	Bechtel			N
STRUC-1		Approval	Civil	Drawing	25542-000-DB-1410-00005	SUPPORTSAND DUCT DRAIN FOUNDATION PLAN REINFORCING SECTION AND DETAILS	Bechtel			N
STRUC-1		Approval	Civil	Drawing	25542-000-DG-1490-00001	EDT IDT REINFORCING SECTION AND DETAILS	Bechtel			N
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-1410-00002	DESIGN OF EDT IDT PIT	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1910-00001	AUXILIARY BOILER FOUNDATION - PLAN	Bechtel		Jun-11	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1990-00001	AUXILIARY BOILER FOUNDATION SECTIONS & DETAILS	Bechtel		Jun-11	
STRUC-1	G	Approval	Civil	Drawing	25542-001-DB-2410-00001	STEAM TURBINE FOUNDATION PLAN	Bechtel		01-Oct-10 A	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-2510-00001	DESIGN OF SUPPORT PADS FOR CRANE OUTRIGGERS	Bechtel			N
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-3310-00001	DESIGN OF FOUNDATION FOR MAIN AND AUX TRANSFORMER	Bechtel			N
STRUC-1		Approval	Civil	Drawing	25542-000-DB-3310-00001	GSU TRANSFORMER AND AUX TRANSFORMER PLAN AND SECTIONS	Bechtel			N
STRUC-1		Approval	Civil	Drawing	25542-000-DG-3390-00001	GSU TRANSFORMER AND AUX TRANSFORMER PLAN AND SECTIONS	Bechtel			N
STRUC-1		Approval	Civil	Drawing	25542-000-DB-3710-00001	EMERGENCY DIESEL GENERATOR FOUNDATION PLAN AND SECTIONS	Bechtel			N
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-3710-00001	DESIGN OF FOUNDATIONFOR EMERGENCY DIESEL GENERATOR	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-2510-00002	SUPPORT PADS FOR CRANE OUTRIGGER	Bechtel			N
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-2510-00001	SUPPORT PADS FOR CRANE OUTRIGGER	Bechtel			N
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-DBC-7710-00001	TANK AREA SUMP PLANS SECTIONS AND DETAILS	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			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7210-00004	CONDENSATE PUMP A AND B FOUNDATION PLAN AND SECTIONS	Bechtel			N
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7310-00004	DESIGN OF FOUNDATION FOR CLOSED COOLING WATER PUMPS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7310-00004	CLOSED COOLING WATER PUMP FOUNDATION PLAN SECTION AND DETAILS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-001-DD-2410-00001	STG FOUNDATION PLAN ANCHOR BOLTS AND EMBEDDED PLATES	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-001-DD-2410-00002	STEAM TURBINE GENERATOR FOUNDATION PLAN EMBEDDED PLATES	Bechtel			Y
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	G	Approval	Civil	Drawing	25542-000-DG-1190-00001	IVANPAH 1, 2 AND 3 SOLAR TOWER FOUNDATION REINFORCING SECTIONS AND DETAILS	Bechtel			Y
STRUC-2	G	Approval	Civil	Drawing	25542-000-DG-1190-00002	IVANPAH 1, 2 AND 3 SOLAR TOWER FOUNDATION REINFORCING SECTIONS AND DETAILS	Bechtel			N
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	G	Approval	Civil	Drawing	25542-000-DB-7310-00001	RAW WATER FORWARDING PUMP FOUNDATION PLAN SECTION AND DETAIL	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7310-00002	MIRROR WASH WATER TRANSFER PUMP FOUNDATION PLAN SECTION AND DETAILS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7310-00003	POTABLE/DEMINERALIZED/WASTE WATER PUMP FOUNDATION PLAN SECTION AND DETAILS	Bechtel			N
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
STRUC-1	G	Approval	Civil	Drawing	25542-001-DG-2490-00002	STEAM TURBINE SECTIONS & DETAILS	Bechtel		01-Oct-10 A	Y
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			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-3110-00001	Plant Services Foundation PLAN	Bechtel		18-Feb-11 A	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-3210-00001	ELECTRICAL MODULE SLAB PLAN	Bechtel		Jun-11	Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-3210-00002	ELECTRICAL MODULE SLAB PLAN	Bechtel		Jul-11	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	NA	Approval	Civil	Drawing	25542-000-DB-3210-00008	PSB ELECTRICAL CABLE PIT SUSPENDED DECKING REINFORCEMENT SECTION AND DETAILS	Bechtel			N
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-3210-00009	DESIGN OF GRADE SLAB AND SUSPENDED SLAB FOR PSB BUILDING	Bechtel			N
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 SEC	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			N
STRUC-1		Approval	Civil	Calculation	25542-009-DBC-3210-00008	ELECTRICAL RACK AND MDB-1 SWITCHBOARD FOUNDATION PLAN AND SECTION	Bechtel			N
STRUC-1		Approval	Civil	Calculation	25542-009-DBC-9010-00004	DESIGN OF MISC EQUIPMENT FOUNDATIONS NEAR HELIOSTAT AND PAD BONDING BUILDING	Bechtel			N
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9010-00005	AIR HANDLING UNITS AND ENERGY RECOVERY VENTILATORS FOUNDATION PLAN	Bechtel			N
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9010-00006	AIR HANDLING UNITS AND ENERGY RECOVERY VENTILATORS FOUNDATION PLAN, SECTIONS AND DETAILS	Bechtel			N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-3310-00001	MCC TRANSFORMER FOUNDATION PLAN & SECTIONS	Bechtel		Jun-11	

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
TSE-5	T	Approval	Civil	Drawing	25542-000-DB-3410-00001	UNIT AUXILIARY & GENERATOR STEP-UP TRANSFORMER FOUNDATION PLAN	Bechtel		Mar-11	
TSE-5	T	Approval	Civil	Drawing	25542-000-DB-3490-00001	UNIT AUXILIARY & GENERATOR STEP-UP TRANSFORMER FOUNDATION SECTIONS	Bechtel		Mar-11	
~~STRUC-1~~	~~G~~	~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-DB-3710-00001~~	~~EMERGENCY DIESEL GENERATOR~~	~~Bechtel~~		~~Jun-11~~	~~N~~
TSE-5	T	Approval	Civil	Drawing	25542-000-DB-3810-00001	GENERATOR CIRCUIT BREAKER & EXCITATION TRANSFORMER FOUNDATION PLAN	Bechtel		May-11	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-6110-00001	LUBE OIL/DIESEL UNLOADING & STG LAYDOWN AREA SLAB PLAN & SECTIONS	Bechtel		Mar-11	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7110-00001	WATER TREATMENT AREA SLAB PLAN	Bechtel		Mar-11	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7110-00002	WATER TREATMENT AREA EQUIPMENT PAD PLAN	Bechtel		Mar-11	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7190-00001	WATER TREATMENT AREA SECTIONS & DETAILS	Bechtel		Mar-11	
~~STRUC-1~~	~~G~~	~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-DB-7210-00001~~	~~AIR COOLED CONDENSER FOUNDATIONS PLAN~~	~~Bechtel~~		~~02-Feb-11 A~~	~~Y~~
~~STRUC-1~~	~~NA~~	~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-DB-7210-00003~~	~~CONDENSATE POLISHER SUMP PLANS AND SECTIONS~~	~~Bechtel~~			~~N~~
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-7211-00001	DRY DELUGED AUXILIARY COOLER FOUNDATION PLAN & SECTIONS	Bechtel		Mar-11	
~~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
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7610-00002	RAW WATER SUPPLY STORAGE TANK FOUNDATION PLAN	Bechtel		Mar-11	Y
~~STRUC-1~~	~~G~~	~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-DB-7610-00003~~	~~MIRROR WASH STORAGE TANK FOUNDATION PLAN STORAGE TANK~~	~~Bechtel~~			~~Y~~
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7710-00001	WASTEWATER COLLECTION TANK FOUNDATION PLAN	Bechtel		Jun-11	
~~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~~	~~25542-000-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~~	~~25542-002-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-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-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-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-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~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-DB-9010-00001~~	~~MISC. CONCRETE FOUNDATIONS~~	~~Bechtel~~	~~DELETE~~	~~Dec-10~~	
~~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	
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-009-DB-9010-000##~~	~~WEATHER STATION FOUNDATION~~	~~Bechtel~~	~~DELETE~~	~~Dec-10~~	
~~STRUC-1~~	~~G~~	~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-009-DB-9010-00001~~	~~MIRROR WASH TANK FOUNDATION PLAN~~	~~Bechtel~~		~~Mar-11~~	~~Y~~
~~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~~	~~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	G	Approval	Civil	Drawing	25542-000-SS-0410-00001	Steam Turbine Platform STRUCTURAL STEEL PLAN	Bechtel		Jun-11	
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-0490-00001	Steam Turbine Platform STRUCTURAL STEEL ELEVATIONS & SECTIONS	Bechtel		Jun-11	
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-SS-1010-00001~~	~~SRSG STRUCTURAL STEEL PLAN EL 451-1~~	~~Bechtel~~			~~N~~
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-SS-1010-00002~~	~~SRSG STRUCTURAL STEEL PLAN EL 460-7~~	~~Bechtel~~			~~N~~
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-SS-1020-00001~~	~~SRSG STRUCTURAL STEEL PLAN EL 472-3~~	~~Bechtel~~			~~N~~
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-SS-1020-00002~~	~~SRSG STRUCUTRAL STEEL PLAN EL 478-5~~	~~Bechtel~~			~~N~~
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-SS-1020-00003~~	~~SRSG STRUCUTRAL STEEL LOWER RH PANEL HEADER RESTRAINT STEEL PLAN AND ELEVATION~~	~~Bechtel~~			~~N~~
~~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~~				~~N~~
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-SS-1030-00001~~	~~SRSG STRUCUTRAL STEEL PLAN EL 491-6~~				~~N~~
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-SS-1030-00002~~	~~SRSG STRUCUTRAL STEEL PLAN EL 500-10~~				~~N~~
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-SS-1040-00001~~	~~SRSG Structural Steel Plan at EL 511-3~~				~~N~~
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-SS-1040-00002~~	~~SRSG Structural Steel Plan at EL 516-9 and 524-9~~				~~N~~
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-SS-1040-00003~~	~~SRSG Structural Steel Plan UPR SG and LWR SH PNL HDR Restraint Steel~~				~~N~~
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-SS-1050-00001~~	~~SRSG Structural Steel Plan at EL 532-11 and 536-5~~				~~N~~
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-SS-1050-00002~~	~~SRSG Structural Steel Plan at EL 551-0~~				~~N~~
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-SS-1050-00003~~	~~SRSG Structural Steel - Silencer SPT El 555-9 and TMD SPT EL 556-3~~				~~N~~
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-SS-1050-00004~~	~~SRSG Structural Steel Upper SH Panel Header Restraint Steel~~				~~N~~
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-SS-1091-00001~~	~~SRSG Structural Steel Elevation on Grid 16 and 20~~				~~N~~
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-SS-1091-00002~~	~~SRSG Structural Steel Elevation on Grid 17 and 19~~				~~N~~
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-SS-1091-00003~~	~~SRSG Structural Steel Elevation on Grid D and P~~				~~N~~
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-SS-1091-00004~~	~~SRSG Structural Steel Elevation on Grid G.2 and L.2~~				~~N~~
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-SS-1092-00001~~	~~SRSG Structural Steel Stair Landings Plans and Elevations~~				~~N~~
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-SS-1093-00001~~	~~SRSG Structural Steel Stair Elevations~~				~~N~~
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-SS-1094-00001~~	~~SRSG Structural Steel Columns Connection Details~~				~~N~~
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-SS-1095-00001~~	~~SRSG Structural Steel Extended and Interior Shear Tab BB Connection Details~~				~~N~~
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-SS-1095-00002~~	~~SRSG Structural Steel Beam to Column BC Connection Details~~				~~N~~
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-SS-1095-00003~~	~~SRSG Structural Steel Extended Shear Tab BW Connection Details~~				~~N~~
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-SS-1095-00004~~	~~SRSG Structural Steel Beam to Beam End Plate EP Connection Details~~				~~N~~

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
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1095-00005	SRSG Structural Steel Beam to Beam Clip Angle CA Connection Details				N
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1095-00006	SRSG Structural Steel Beam Bearing BE Connection Details				N
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1096-00001	SRSG Structural Steel Vertical Bracing VB Connection Details				N
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1096-00002	SRSG Structural Steel Vertical Bracing VB Connection Details				N
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1096-00003	SRSG Structural Steel Vertical Bracing VB Connection Details				N
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1096-00004	SRSG Structural Steel Vertical Bracing VB Connection Details				N
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1096-00005	SRSG Structural Steel Vertical Bracing VB Connection Details				N
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1097-00001	SRSG Structural Steel Horizontal Bracing HB Connection Details				N
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1097-00002	SRSG Structural Steel Horizontal Bracing HB Connection Details				N
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1097-00003	SRSG Structural Steel Horizontal Bracing HB Connection Details				N
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00001	SRSG Structural Steel SH, SG and RH Panel Supports, Restraints and Guides - Connection Details				N
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00002	SRSG Structural Steel Pipe Supports, Restraints and Guides Connection Details				N
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00003	SRSG Structural Steel Pipe Supports, Restraints and Guides Connection Details				N
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00004	SRSG Structural Steel Pipe Supports, Restraints and Guides Connection Details				N
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00005	SRSG Structural Steel Pipe Supports, Restraints and Guides Connection Details				N
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00006	SRSG Structural Steel Pipe Supports, Restraints and Guides Connection Details				N
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00007	SRSG Structural Steel Pipe Supports, Restraints and Guides Connection Details				N
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00008	SRSG Structural Steel Pipe Supports, Restraints and Guides Connection Details				N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1110-00001	TOWER STRUCTURAL STEEL PLAN @ EL 100'-0"	Bechtel		Mar-11	N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1110-00002	TOWER STRUCTURAL STEEL PLAN @ EL 120'-0"	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1110-00003	TOWER STRUCTURAL STEEL PLAN @ EL 140'-0"	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1120-00001	TOWER STRUCTURAL STEEL PLAN @ EL 180'-0"	Bechtel		Mar-11	N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1130-00001	TOWER STRUCTURAL STEEL PLAN @ EL 220'-0"	Bechtel		Mar-11	N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1140-00001	TOWER STRUCTURAL STEEL PLAN @ EL 259'-0"	Bechtel		Mar-11	N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1150-00001	TOWER STRUCTURAL STEEL PLAN @ EL 298'-0"	Bechtel		Mar-11	N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1160-00001	TOWER STRUCTURAL STEEL PLAN @ EL 337'-0"	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1170-00001	TOWER STRUCTURAL STEEL PLAN @ EL 376'-0"	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1180-00001	TOWER STRUCTURAL STEEL PLAN @ EL 395'-0"	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1180-00002	TOWER STRUCTURAL STEEL PLAN @ EL 415'-0"	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1190-00001	TOWER STRUCTURAL STEEL PLAN @ EL 427'-0"	Bechtel		Mar-11	N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1190-00002	TOWER STRUCTURAL STEEL PLAN @ EL 439'-0"	Bechtel		Mar-11	N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1190-00003	Solar TOWER STRUCTURAL STEEL BASE PLATE DETAILS	Bechtel		Mar-11	
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1191-00001	TOWER STRUCTURAL STEEL NE AND NW ELEVATIONS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1191-00002	TOWER STRUCTURAL STEEL SE AND SW ELEVATIONS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1191-00003	TOWER STRUCTURAL STEEL ELEVATION AT COLUMN LINE 16	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1191-00004	TOWER STRUCTURAL STEEL ELEVATION AT COLUMN LINE 20	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1191-00005	TOWER STRUCTURAL STEEL ELEVATION AT COLUMN LINE D	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1191-00006	TOWER STRUCTURAL STEEL ELEVATION AT COLUMN LINE P	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1192-00001	TOWER STRUCTURAL STEEL STAIR LANDING PLANS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1193-00001	TOWER STRUCTURAL STEEL STAIR ELEVATION, EL 100'-0" TO 259'-0"	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1193-00002	TOWER STRUCTURAL STEEL STAIR ELEVATION, EL 259'-0" TO 439'0"	Bechtel			N
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			N
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			N
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			N
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			N
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			N
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			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1194-00001	STRUCUTRAL STEEL TOWER COLUMN BASE PLATES CONNETION DETAILS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1194-00002	STRUCTURAL STEEL STAIR TOWER BASE PLATE AND SPLICE CONNECTION DETAILS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1194-00003	STRUCTURAL STEEL TOWER COLUMN SPLICES CONNECTION DETAILS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1195-00001	STRUCTURAL STEEL EXTENDED SHEAR TAB BB CONNECTION DETAILS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1195-00002	STRUCTURAL STEEL EXTENDED SHEAR TAB BC CONNECTION DETAILS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1195-00003	STRUCTURAL STEEL BEAM TO BEAM WELDED CONNECTION BW CONNECTION DETAILS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1195-00004	STRUCTURAL STEEL BEAM TO BEAM END PLATE EP CONNECTION DETAILS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1195-00005	STRUCUTRAL STEEL EXTENDED SHEAR TABS BB CONNECTION DETAILS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1195-00006	STRUCTURAL STEEL BEAM COLUMN BC CONNECTION DETAIL	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1196-00001	STRUCTURAL STEEL VERTICAL BRACING VB CONNECTION DETAILS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1196-00002	STRUCTURAL STEEL VERTICAL BRACING VB AND KB CONNECTION DETAILS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1196-00003	STRUCTURAL STEEL VERTICAL BRACING VB CONNECTION DETAILS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1196-00004	STRUCTURAL STEEL VERTICAL BRACING VB CONNECTION DETAILS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1196-00005	STRUCTURAL STEEL VERTICAL BRACING VB CONNECTION DETAILS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1196-00006	STRUCTURAL STEEL VERTICAL BRACING VB CONNECTION DETAILS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1197-00001	STRUCTURAL STEEL HORIZONTAL BRACING HB CONNECTION DETAIL	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1197-00002	STRUCTURAL STEEL HORIZONTAL BRACING HB CONNECTION DETAIL	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1197-00003	STRUCTURAL STEEL HORIZONTAL BRACING HB CONNECTION DETAIL	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1197-00004	STRUCTURAL STEEL HORIZONTAL BRACING HB CONNECTION DETAIL	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1197-00005	STRUCTURAL STEEL HORIZONTAL BRACING HB CONNECTION DETAIL	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1197-00006	STRUCTURAL STEEL HORIZONTAL BRACING HB CONNECTION DETAIL	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1197-00007	STRUCTURAL STEEL HORIZONTAL BRACING HB CONNECTION DETAIL	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1197-00008	STRUCTURAL STEEL HORIZONTAL BRACING HB CONNECTION DETAIL	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00001	STRUCTURAL STEEL VERTICAL BRACING VB - BEAM COLUMN BC CONNECTION DETAILS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00002	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel			N

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
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00003	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00004	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00005	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00006	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00007	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00008	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00009	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00010	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1199-00001	TOWER STRUCTURAL STEEL MISCELLANEOUS SECTIONS AND DETAILS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1199-00002	TOWER STRUCTURAL STEEL CRANE TIE BACKS	Bechtel			N
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-2110-00001	STEAM TURBINE STRUCTURAL STEEL PIPING RACK PLAN	Bechtel		Jun-11	
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-2110-00001	STEAM TURBINE STRUCTURAL STEEL PIPING PLATFORMS PLAN	Bechtel		Jun-11	
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-2110-00001	STEAM TURBINE STRUCTURAL STEEL PIPING RACK ELEVATIONS & SECTIONS	Bechtel		Jun-11	
STRUC-1		Approval	Civil	Drawing	25542-000-SS-3210-00004	PLAN AND ELEVATION PSB STEEL	Bechtel			N
STRUC-1		Approval	Civil	Drawing	25542-000-SS-3210-00005	SECTIONS PSB STEEL	Bechtel			N
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
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
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	
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
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-0100-00001	POWER BLOCK SUMP	Bechtel		18-Feb-11 A	
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-0410-00001	Steam Turbine Platform PIPE RACK FOUNDATIONS	Bechtel		Mar-11	
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
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-1110-00003	DESIGN OF FOUNDATIONS FOR 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	
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	AUXILIARY BOILER FOUNDATION	Bechtel		Jun-11	
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
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			N
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-2490-00001	STEAM TURBINE PEDESTAL EMBEDDED PLATES	Bechtel		01-Oct-10 A	
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-3110-00001	Plant Services Bldg Foundation	Bechtel		18-Feb-11 A	
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-3210-00001	ELECTRICAL MODULE 1 SLAB	Bechtel		Jun-11	N
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-3210-00002	ELECTRICAL MODULE 2 SLAB	Bechtel		Jul-11	Y
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	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			N
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-3310-00001	MCC TRANSFORMER FOUNDATION	Bechtel		Jun-11	
TSE-5	T	Approval	Civil	Calculation	25542-000-DBC-3410-00001	UNIT AUXILIARY & GENERATOR STEP-UP TRANSFORMER FOUNDATION	Bechtel		Mar-11	
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-3710-00001	EMERGENCY DIESEL GENERATOR FOUNDATION	Bechtel		Jun-11	N
TSE-5	T	Approval	Civil	Calculation	25542-000-DBC-3810-00001	GENERATOR CIRCUIT BREAKER & EXCITATION TRANSFORMER FOUNDATION	Bechtel		May-11	
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-6110-00001	LUBE OIL/DIESEL UNLOADING AREA SLAB	Bechtel		Mar-11	
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7110-00001	WATER TREATMENT AREA SLAB	Bechtel		Mar-11	Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7110-00002	WATER TREATMENT AREA EQUIPMENT PAD	Bechtel		Mar-11	Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7110-00003	DESIGN OF ANCHORS FOR DEMIN WATER TRAILER	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7210-00001	AIR COOLED CONDENSER FOUNDATIONS	Bechtel		02-Feb-11 A	
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-7210-00003	CONDENSATE POLISHER SUMP FOR UNITS 1/2/3	Bechtel			N
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-7310-00001	DESIGN OF FOUNDATION OF CENTRIFUGAL PUMPS	Bechtel			N
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-7211-00001	DRY DELUGED AUXILIARY COOLER FOUNDATION SECTIONS & DETAILS	Bechtel		Mar-11	
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
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7610-00002	RAW WATER SUPPLY STORAGE TANK FOUNDATION	Bechtel		Mar-11	Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7610-00003	DESIGN OF FOUNDATION FOR MIRROR WASH WATER STORAGE TANK	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7710-00001	WASTEWATER COLLECTION TANK FOUNDATION	Bechtel		Jun-11	
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Calculation~~	~~25542-000-DBC-9010-00001~~	~~MISC. CONCRETE FOUNDATIONS~~	~~Bechtel~~	~~DELETE~~	~~Dec-10~~	
STRUC-1	G	Approval	Civil	Calculation	25542-009-DBC-9010-000##	MIRROR WASH TANK FOUNDATION	Bechtel		Mar-11	
STRUC-1	NA	Approval	Civil	Calculation	25542-009-DBC-9010-000##	CPDU FOUNDATIONS (HELIOSTAT FIELD)	Bechtel		Jun-11	
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 FOUNDATING 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-9010-00##~~	~~WEATHER STATION FOUNDATION~~	~~Bechtel~~	~~DELETE~~	~~Dec-10~~	
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-0410-00001	Steam Turbine platform PIPE RACK STRUCTURAL STEEL PLAN	Bechtel		Jun-11	
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1100-00001	SOLAR TOWER STRUCTURAL ANALYSIS	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
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	
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00001	Solar TOWER STRUCTURAL STEEL PLATFORM DESIGN	Bechtel		Mar-11	N
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00002	SOLAR TOWER STRUCTURAL PLATFORM DESIGN , ELEVATION 120'	Bechtel			N
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00003	SOLAR TOWER STRUCTURAL PLATFORM DESIGN , ELEVATION 140'	Bechtel			N
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00004	SOLAR TOWER STRUCTURAL PLATFORM DESIGN , ELEVATION 160'	Bechtel			N
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00005	SOLAR TOWER STRUCTURAL PLATFORM DESIGN , ELEVATION 220'	Bechtel			N
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00006	SOLAR TOWER STRUCTURAL PLATFORM DESIGN , ELEVATION 259'	Bechtel			N
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00007	SOLAR TOWER STRUCTURAL PLATFORM DESIGN , ELEVATION 298'	Bechtel			N
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00008	SOLAR TOWER STRUCTURAL PLATFORM DESIGN , ELEVATION 337'	Bechtel			N
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00009	SOLAR TOWER STRUCTURAL PLATFORM DESIGN , ELEVATION 376'	Bechtel			N
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00010	SOLAR TOWER STRUCTURAL PLATFORM DESIGN , ELEVATION 395'-6"	Bechtel			N
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00011	SOLAR TOWER STRUCTURAL PLATFORM DESIGN , ELEVATION 415'	Bechtel			N
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00012	SOLAR TOWER STRUCTURAL PLATFORM DESIGN , ELEVATION 427'	Bechtel			N
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00013	SOLAR TOWER STRUCTURAL PLATFORM DESIGN , ELEVATION 439'	Bechtel			N
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00014	CONNECTION DESIGN FOR TOWER COLUMNS	Bechtel			N
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00015	DESIGN OF LATERAL FORCE RESISTING SYSTEM OF SOLAR TOWER (UP TO EL. 439')	Bechtel			N
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00016	CONNECTION DESIGN OF VERTICAL BRACING FOR TOWER	Bechtel			N
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00018	STAIR TOWER CONNECTION DESIGN	Bechtel			N
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00019	PLATFORM CONNECTION DESIGN - FLOORS 220' TO 439'	Bechtel			N
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00020	PLATFORM CONNECTION DESIGN - FLOORS 120', 140', 160'	Bechtel			N
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00021	FINITE ELEMENT ANALYSIS FOR SOLAR TOWER KNUCKLE CONNECTION	Bechtel			N
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00022	CONNECTION DESIGN FOR CONSTRUCTION LIFE DEVICES	Bechtel			N
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00017	SRSG COLUMN AND VERTICAL BRACE DESIGN				N
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00023	SRSG EL 451 STRUCTURAL STEEL PLATFORM DESIGN				N
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00024	SRSG EL 460 STRUCTURAL STEEL PLATFORM DESIGN				N
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00025	SRSG EL 472 STRUCTURAL STEEL PLATFORM DESIGN				N
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00027	SRSG EL 491 STRUCTURAL STEEL PLATFORM DESIGN				N
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00028	SRSG EL 500 STRUCTURAL STEEL PLATFORM DESIGN				N
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00030	SRSG EL 524 STRUCTURAL STEEL PLATFORM DESIGN				N
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00031	SRSG EL 536 STRUCTURAL STEEL PLATFORM DESIGN				N
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00032	SRSG EL 551 STRUCTURAL STEEL PLATFORM DESIGN				N
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00026	SRSG EL WATERWALL STEEL DESIGN				N
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00039	SRSG COLUMN AND VERTICAL BRACE CONNECTION DESIGN				N
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00036	SRSG BEAM CONNECTION DESIGN				N
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00037	SRSG HORIZONTAL BRACE CONNECTION DESIGN				N
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00038	SRSG MISCELLANEOUS STEEL CONNECTION DESIGN				N
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00035	SRSG - STEEL CONNECTIONS BEYOND MAIN COLUMN LINES				N
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1140-00001	Solar TOWER STRUCTURAL STEEL SUPPORT LEVEL DESIGN	Bechtel		Mar-11	
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1150-00001	Solar TOWER STRUCTURAL STEEL STAIR TOWER	Bechtel		Mar-11	Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1152-00001	SOLAR TOWER STRUCTURAL ANALYSIS DURING CONSTRUCTION	Bechtel			N
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-2110-00001	STEAM TURBINE STRUCTURAL STEEL PIPE RACK	Bechtel		Jun-11	
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-2120-00001	STEAM TURBINE STRUCTURAL STEEL PIPING PLATFORMS	Bechtel		Jun-11	
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-3510-00001	33KV WOOD POLE DESIGN	Bechtel			Y
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			N
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-3510-00003	115KV TRANSMISSION LINE - DISCONNECT SWITCH STEEL SUPPORT	Bechtel			N
STRUC-1		Approval	Civil	Drawing	25542-000-SS-3510-00001	115 KV SWITCHYARD EQUIPMENT SUPPORT STRUCTURES ARRANGEMENT PLAN	Bechtel			N
STRUC-1		Approval	Civil	Drawing	25542-000-SS-3590-00001	115KV SWITCHYARD STRUCTURAL STEEL DISCONNECT SWITCH SUPPORT S1	Bechtel			N
STRUC-1		Approval	Civil	Drawing	25542-000-SS-3590-00002	115KV SWITCHYARD STRUCTURAL STEEL SUPPORTS S2,S3,S4	Bechtel			N
STRUC-1		Approval	Civil	Drawing	25542-000-SS-3590-00003	115KV SWITCHYARD STRUCTURAL STEEL SUPPORT S5	Bechtel			N
CIVIL-1 GEO-1	NA	Approval	Civil	Document	25542-000-G27-GZC-00067	Geotechnical Report - Unit 1 & Common Facility	Vendor		Aug-10	Y
GEO-1	NA	Approval	Civil	Document	25542-002-K0R-CY00-00001	SUBSURFACE INVESTIGATION AND FOUNDATION REPORT UNIT 2	Bechtel			Y
GEO-1	NA	Approval	Civil	Document	25542-003-K0R-CY00-00001	SUBSURFACE INVESTIGATION AND FOUNDATION REPORT FOR THE IVANPAH PROJECT UNIT 3	Bechtel			
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
CIVIL-1	NA	Approval	Civil	Specification	25542-000-3PS-CS01-00001	BITUMINOUS PAVING OF ROADS	Bechtel		29-Oct-10 A	Y
~~CIVIL-1~~		~~Approval~~	~~Civil~~	~~Specification~~	~~25542-000-3PS-CY04-00001~~	~~SITE SURVEYING SERVICES~~	~~Bechtel~~	~~Delete~~		
~~CIVIL-1~~		~~Reference~~	~~Civil~~	~~Specification~~	~~25542-000-3PS-CY05-00001~~	~~SUBSURFACE INVESTIGATION AND LABORATORY TESTING~~	~~Bechtel~~	~~Delete~~		
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-DB01-00001	FURNISHING AND DELIVERING READY-MIX CONCRETE	Bechtel		7/15/2010 A	Y
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-DB02-00001	CONCRETE WORK	Bechtel		7/15/2010 A	Y
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-DD00-00001	PURCHASE OF EMBEDDED STEEL AND ANCHOR BOLTS	Bechtel		7/15/2010 A	Y
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-DG01-00001	REINFORCING BAR	Bechtel		7/15/2010 A	Y
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-SS01-00001	PURCHASE OF STRUCTURAL AND MISCELLANEOUS STEEL	Bechtel		Aug-10	Y
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-SS02-00001	ERECTION OF STRUCTURAL AND MISCELLANEOUS STEEL	Bechtel		Jan-11	N
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
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	
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1A-AKBS-000##	ARCHITECRUTALBUILDING ELEVATIONS AND SECTIONS , ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11	
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1A-AKBS-000##	ARCHITECRUTALBUILDING DETAILS , ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11	
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1A-AKBS-000##	ARCHITECRUTALSCHEDULES , ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11	

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
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1A-AKBS-000##	STRUCTURAL DRAWINGS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11	
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	
STRUC-1	G	Approval	Architectural	Calculation	25542-000-V1A-AKBS-000##	STRUCTURAL CALCULATIONS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11	
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1A-AKBS-000##	FOUNDATION DRAWINGS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11	
STRUC-1	G	Approval	Architectural	Calculation	25542-000-V1A-AKBS-000##	FOUNDATION CALCULATIONS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11	
MECH-3	G	Approval	Architectural	Drawing	25542-000-V1A-AKBS-000##	HVAC SYSTEM PLANS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11	
MECH-3	G	Approval	Architectural	Calculation	25542-000-V1A-AKBS-000##	HVAC SYSTEM CALCULATIONS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11	
MECH-1	G	Approval	Architectural	Drawing	25543-000-V1A-AKBS-000##	PLUMBING PLANS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11	
MECH-1	G	Approval	Architectural	Drawing	25544-000-V1A-AKBS-000##	FIRE PROTECTION PLANS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11	
MECH-1	G	Approval	Architectural	Calculation	25545-000-V1A-AKBS-000##	FIRE PROTECTION CALCULATIONS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11	
ELEC-1	G	Approval	Architectural	Drawing	25546-000-V1A-AKBS-000##	ELECTRICAL SINGLE LINE DRAWING, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11	
ELEC-1	G	Approval	Architectural	Drawing	25547-000-V1A-AKBS-000##	ELECTRICAL PANEL SCHEDULES, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11	
ELEC-1	G	Approval	Architectural	Calculation	25548-000-V1A-AKBS-000##	LIGHTING AND ELECTRICAL DESIGN CALCULATIONS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Mar-11	
STRUC-1 / MECH-1	G	Approval	Architectural	Document	25548-000-V1A-AKBS-000##	CERTIFICATE(S) OF COMPLIANCE, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		Nov-11	
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	
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	
STRUC-1	NA	Approval	Architectural	Drawing	25542-000-V1B-AKBS-000##	ARCHITECTURAL BUILDING ELEVATIONS AND SECTIONS , HELIOSTAT BUILDING	Vendor		Mar-11	
STRUC-1	NA	Approval	Architectural	Drawing	25542-000-V1B-AKBS-000##	ARCHITECTURAL BUILDING DETAILS , HELIOSTAT BUILDING	Vendor		Mar-11	
STRUC-1	NA	Approval	Architectural	Drawing	25542-000-V1B-AKBS-000##	ARCHITECTURAL SCHEDULES , HELIOSTAT BUILDING	Vendor		Mar-11	
STRUC-1	NA	Approval	Architectural	Drawing	25543-001-V1B-AKBS-000##	STRUCTURAL DRAWINGS, HELIOSTAT BUILDING (including design criteria and structural observations)	Vendor		Mar-11	
STRUC-1	NA	Approval	Architectural	Document	25543-001-V1B-AKBS-000##	STATEMENT OF SPECIAL INSPECTIONS (CBC CH. 17), HELIOSTAT BUILDING	Vendor		Mar-11	
STRUC-1	NA	Approval	Architectural	Calculation	25544-002-V1B-AKBS-000##	STRUCTURAL CALCULATIONS, HELIOSTAT BUILDING (including design criteria and structural observations)	Vendor		Mar-11	
MECH-3	NA	Approval	Architectural	Drawing	25545-003-V1B-AKBS-000##	HVAC SYSTEM PLANS, HELIOSTAT BUILDING	Vendor		Mar-11	
MECH-3	NA	Approval	Architectural	Calculation	25546-004-V1B-AKBS-000##	HVAC SYSTEM CALCULATIONS, HELIOSTAT BUILDING	Vendor		Mar-11	
MECH-1	NA	Approval	Architectural	Drawing	25547-005-V1B-AKBS-000##	FIRE PROTECTION PLANS, HELIOSTAT BUILDING (including product data submittals)	Vendor		Mar-11	
MECH-1	NA	Approval	Architectural	Calculation	25548-006-V1B-AKBS-000##	FIRE PROTECTION CALCULATIONS, HELIOSTAT BUILDING	Vendor		Mar-11	
ELEC-1	NA	Approval	Architectural	Drawing	25550-008-V1B-AKBS-000##	ELECTRICAL PANEL SCHEDULES, HELIOSTAT BUILDING	Vendor/Bechtel		Mar-11	
ELEC-1	NA	Approval	Architectural	Calculation	25551-009-V1B-AKBS-000##	LIGHTING AND ELECTRICAL DESIGN CALCULATIONS, HELIOSTAT BUILDING	Vendor		Mar-11	
STRUC-1 / MECH-1/ ELEC-1	NA	Approval	Architectural	Document	25552-010-V1B-AKBS-000##	CERTIFICATE(S) OF COMPLIANCE, HELIOSTAT BUILDING	Vendor		Nov-11	
GEN-5	NA	Approval	Architectural	Resume	25553-011-V1B-AKBS-000##	RESPONSIBLE ENGINEER(S) RESUME(S), HELIOSTAT BUILDING	Vendor		03-Jan-11 A	
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1C-AKBS-000##	ARCHITECTURAL FLOOR PLANS, PLANT SERVICES BUILDING	Vendor		01-Feb-11 A	
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1C-AKBS-000##	ARCHITECTIRAL BUILDING ELEVATIONS AND SECTIONS , PLANT SERVICES BUILDING	Vendor		01-Feb-11 A	
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1C-AKBS-000##	ARCHITECTURAL BUILDING DETAILS , PLANT SERVICES BUILDING	Vendor		01-Feb-11 A	
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1C-AKBS-000##	ARCHITECTURAL SCHEDULES , PLANT SERVICES BUILDING	Vendor		01-Feb-11 A	
STRUC-1	G	Approval	Architectural	Drawing	25543-001-V1C-AKBS-000##	STRUCTURAL DRAWINGS, PLANT SERVICES BUILDING	Vendor		01-Feb-11 A	
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	
STRUC-1	G	Approval	Architectural	Calculation	25544-002-V1C-AKBS-000##	STRUCTURAL CALCULATIONS, PLANT SERVICES BUILDING	Vendor		01-Feb-11 A	
MECH-3	G	Approval	Architectural	Drawing	25545-003-V1C-AKBS-000##	HVAC SYSTEM PLANS, PLANT SERVICES BUILDING	Vendor		Mar-11	
MECH-3	G	Approval	Architectural	Calculation	25546-004-V1C-AKBS-000##	HVAC SYSTEM CALCULATIONS, PLANT SERVICES BUILDING	Vendor		Mar-11	
MECH-1	G	Approval	Architectural	Drawing	25547-005-V1C-AKBS-000##	FIRE PROTECTION PLANS, PLANT SERVICES BUILDING	Vendor		Mar-11	
MECH-1	G	Approval	Architectural	Calculation	25548-006-V1C-AKBS-000##	FIRE PROTECTION CALCULATIONS, PLANT SERVICES BUILDING	Vendor		Mar-11	
ELEC-1	G	Approval	Architectural	Drawing	25549-007-V1C-AKBS-000##	ELECTRICAL SINGLE LINE DRAWING, PLANT SERVICES BUILDING	Vendor		Mar-11	
ELEC-1	G	Approval	Architectural	Drawing	25550-008-V1C-AKBS-000##	ELECTRICAL PANEL SCHEDULES, PLANT SERVICES BUILDING	Vendor		Mar-11	
ELEC-1	G	Approval	Architectural	Calculation	25551-009-V1C-AKBS-000##	LIGHTING AND ELECTRICAL DESIGN CALCULATIONS, PLANT SERVICES BUILDING	Vendor		Mar-11	
STRUC-1 / MECH-1	G	Approval	Architectural	Document	25552-010-V1C-AKBS-000##	CERTIFICATE(S) OF COMPLIANCE, PLANT SERVICES BUILDING	Vendor		May-11	
GEN-5	G	Approval	Architectural	Resume	25553-011-V1C-AKBS-000##	RESPONSIBLE ENGINEER(S) RESUME(S), PLANT SERVICES BUILDING	Vendor		16-Nov-10 A	
S&W-1 / CIVIL-1	NA	Approval		Drawing	25542-003-CG-0010-00001	POWER BLOCK ROUGH GRADING PLAN	Bechtel			N
S&W-1 / CIVIL-1	NA	Approval		Drawing	25542-003-CG-0090-00001	POWER BLOCK ROUGH GRADING SECTIONS	Bechtel			N
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				N
ELEC-1	G	Approval	Electrical	Drawing	25542-001-E1-0000-00001	EY: Unit-1: Main Single Line Diagram	Bechtel		26-Aug-10 A	Y
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			N
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
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*	
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	
ELEC-1		Approval	Electrical	Drawing	25542-000-E1-EC-00001	SINGLE LINE METERING AND REALY DIAGRAM - SRSG TOWER MOTOR CONTROL CENTER	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-000-E1-EC-00002	SINGLE LINE METERING AND RELAY DIAGRAM - MOTOR CONTROL CENTERS	Bechtel			N

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
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-ES-00001	ES: Unit 4.16kV Switchgear Single line M & R Diagram	Bechtel			
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E1-ES-00001	SINGLE LINE METERING AND RELAY DIAGRAM 4.16KV SWITCHGEAR-MCC BUS 1-ES-ES-3111B	Bechtel		Jul-11	Y
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	G	Approval	Electrical	Drawing	25542-009-E1-0000-00001	33kV System Single Line Diagram	Bechtel		25-Aug-10 A	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-E1-0000-00004	SINGLE LINE METERING AND RELAY DIAGRAM - ADMIN BUILDING	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
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-E1-0011-00001	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 1	Bechtel			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-E1-0011-00002	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 2	Bechtel			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-E1-0011-00003	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 3	Bechtel			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-E1-0011-00004	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 4	Bechtel			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-E1-0011-00005	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 5	Bechtel			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-E1-0011-00006	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 6	Bechtel			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-E1-0011-00007	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 7	Bechtel			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-E1-0011-00008	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 8	Bechtel			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-E1-0011-00009	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 9	Bechtel			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EA-EC-00001	UNIT 1 SOLAR FIELD 480VAC NORMAL POWER PANELBOARD SCHEDULE	Bechtel			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EA-EU-00001	UNIT 1 SOLAR FIELD 480VAC UPS POWER PANELBOARD SCHEDULE	Bechtel			N
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	
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	
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
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
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	N
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
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	
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	
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	
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	
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	
ELEC-1	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	
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	
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	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-000010	EC: Unit: 480V 480V ACC MCC# 1 - Single Line M & R Diagram	Bechtel	120VAC Loads to be indicated	Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-000011	EC: Unit: 480V 480V ACC MCC# 2 - Single Line M & R Diagram	Bechtel	120VAC Loads to be indicated	Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-000012	EC: Unit: 480V 480V ACC MCC# 3 - Single Line M & R Diagram	Bechtel	120VAC Loads to be indicated	Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-000013	EC: Unit: 480V 480V ACC MCC# 4 - Single Line M & R Diagram	Bechtel	120VAC Loads to be indicated	Jun-11	
ELEC-1					25542-001-E1-EY-00001	SINGLE LINE METERING AND RELAY DIAGRAM - GEN, GCB, GSUT, UAT UNIT 1	Bechtel			Y
ELEC-1					25542-002-E1-EY-00001	SINGLE LINE METERING AND RELAY DIAGRAM - GEN, GCB, GSUT, UAT UNIT 2 AND 3	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E4-3110-00001	ELECTRICAL EQUIPMENT LAYOUT PLANT SERVICES BLDG	Bechtel			N
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	NA	Approval	Electrical	Drawing	25542-009-EL-0010-00005	ADMIN BUILDING AREA ROADWAY LIGHTING PLAN	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-001-ELC-EL-00002	UNIT 1 POWERBLOCK LIGHTING CALCULATION	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-009-ELC-EL-00003	ADMIN BUILDING AREA ROADWAY LIGHTING CALCULATION	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
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	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	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

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
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	G	Approval	Electrical	Drawing	25542-001-ER-7101-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN WATER TREATMENT AREA	Bechtel		31-Jan-11 A	Y
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	
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	
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
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	
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-7210-00001	RACEWAY PLAN ACC AREA PLAN	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-7210-00002	RACEWAY PLAN ACC AREA PLAN	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-7210-00003	RACEWAY PLAN ACC AREA PLAN	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-7210-00004	RACEWAY PLAN ACC AREA PLAN	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-7210-00005	RACEWAY PLAN ACC AREA PLAN	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-7210-00006	RACEWAY PLAN ACC AREA PLAN	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-7210-00007	RACEWAY PLAN ACC AREA PLAN	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-7210-00008	RACEWAY PLAN ACC AREA PLAN	Bechtel			N
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
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3301-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN SWITCHYARD AREA	Bechtel		Mar-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3391-00001	UNIT 1: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS SWITCHYARD AREA	Bechtel		Mar-11	
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
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	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2102-00001	UNIT 1: EMBEDDED CONDUIT PLAN STEAM TURBINE PEDESTAL	Bechtel		07-Dec-10 A	
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	
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
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	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1091-00001	UNIT 1: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS SRSG TOWER AREA	Bechtel		25-Jan-11 A	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1901-00001	UNDERGROUND RACEWAY PLAN FOR NIGHT TIME PRESERVATION BOILER AREA	Bechtel		Jun-11	Y
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	
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	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3091-00001	UNIT 1: UNDERGROUND PLAN RACWAY SECTIONS AND DETAILS CABLE PIT	Bechtel		Feb-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3101-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING AREA	Bechtel		Feb-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3102-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING AREA	Bechtel		Feb-11	
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	
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			N
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	G	Approval	Electrical	Drawing	25542-001-ER-1902-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN NIGHTTIME PRESERVATION AREA BOILER	Bechtel		Jun-11	
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	
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0001-00001	UNIT 2 POWERBLOCK MANHOLE LAYOUTS	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0001-00002	UNIT 2 POWERBLOCK MANHOLE LAYOUTS	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0001-00003	UNIT 2 POWERBLOCK MANHOLE LAYOUTS	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0001-00004	UNIT 2 POWERBLOCK MANHOLE LAYOUTS	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0001-00005	UNIT 2 POWERBLOCK MANHOLE LAYOUTS	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1010-00001	RACEWAY PLAN SRSG TOWER AREA UNIT 2	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1010-00002	RACEWAY SECTIONS SRSG TOWER AREA UNIT 2	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1020-00001	RACEWAY PLAN SRSG TOWER AREA UNIT 2	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1030-00001	RACEWAY PLAN SRSG TOWER AREA UNIT 2	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1030-00002	RACEWAY SECTIONS SRSG TOWER AREA UNIT 2	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1060-00001	RACEWAY PLAN SRSG TOWER AREA UNIT 2	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1070-00001	RACEWAY PLAN SRSG TOWER AREA UNIT 3	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-2110-00001	RACEWAY PLAN AND SECTIONS TURBINE LUBE OIL AREA UNIT 2	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-2210-00001	RACEWAY PLAN AND SECTIONS HEATER BAY AREA UNIT 2	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-2220-00001	RACEWAY PLAN AND SECTIONS HEATER BAY AREA UNIT 2	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-2230-00001	RACEWAY PLAN AND SECTIONS HEATER BAY AREA UNIT 2	Bechtel			N
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-7101-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN WATER TREATMENT AREA	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-7102-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN WATER TREATMENT AREA	Bechtel		Jun-11	
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	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-7201-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN ACC AREA	Bechtel		May-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-7202-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN ACC AREA	Bechtel		May-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-7291-00001	UNIT 2: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS ACC AREA	Bechtel		May-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3301-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN SWITCHYARD AREA	Bechtel		Sep-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3391-00001	UNIT 2: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS SWITCHYARD AREA	Bechtel		Sep-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2101-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN STEAM TURBINE AREA	Bechtel		Jun-11	

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
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2191-00001	UNIT 2: UNDERGROUND PLAN SECTIONS AND DETAILS STEAM TURBINE AREA	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2102-00001	UNIT 2: EMBEDDED CONDUIT PLAN STEAM TURBINE PEDESTAL	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2192-00001	UNIT 2: EMBEDDED CONDUIT SECTIONS AND DETAILS STEAM TURBINE PEDESTAL	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1001-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN SRSG TOWER AREA	Bechtel		Jun-11	Y
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1002-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN SRSG TOWER AREA	Bechtel		Jun-11	
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
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1901-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN AUX BOILER AREA	Bechtel		Sep-11	
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	
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	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3091-00001	UNIT 2: UNDERGROUND PLAN RACWAY SECTIONS AND DETAILS CABLE PIT	Bechtel		May-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3101-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING AREA	Bechtel		May-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3102-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING AREA	Bechtel		May-11	
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	
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	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	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	NA	Approval	Electrical	Drawing	25542-002-ER-3701-00001	UNDERGROUND RACEWAY PLAN SWITCHYARD AREA PLAN EL 3029-0	Bechtel			Y
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			N
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	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1992-00001	UNIT 2: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS NIGHTIME PRESERVATION BOILER AREA	Bechtel		Sep-11	
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			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-7201-00002	UNDERGROUND RACEWAY PLAN AIR COOLED CONDENSER AREA PLAN EL 3029-0	Bechtel			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-7201-00003	UNDERGROUND RACEWAY PLAN ACC AREA UNIT 2	Bechtel			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-7201-00004	UNDERGROUND RACEWAY PLAN AIR COOLED CONDENSER AREA PLAN EL. 3029-0	Bechtel			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-7291-00001	UNDERGROUND RACEWAY PLAN AIR COOLED CONDENSER AREA PLAN EL. 3029-0	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-0001-00001	UNIT 3 POWER BLOCK MANHOLE LAYOUT	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-0001-00002	UNIT 3 POWER BLOCK MANHOLE LAYOUT	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-0001-00003	UNIT 3 POWER BLOCK MANHOLE LAYOUT	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-0001-00004	UNIT 3 POWER BLOCK MANHOLE LAYOUT	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-0001-00005	UNIT 3 POWER BLOCK MANHOLE LAYOUT	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-2410-00001	RACEWAY LAYOUT UNIT 3 STEAM TURBINE GENERATOR EMBEDDED CONDUIT PLAN	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-3701-00002	Underground Raceway Plan Plant Services Building Area Unit 3 Plan EL 3188-0	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-3790-00001	Underground Raceway Plan Plant Services Building Area Sections and Details - Unit 3	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-1001-00001	Unit 3 - Underground Raceway Plan SRSG Tower Area Plan EL 3188-0	Bechtel			N
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-7101-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN WATER TREATMENT AREA	Bechtel		Sep-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-7102-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN WATER TREATMENT AREA	Bechtel		Sep-11	
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	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-7201-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN ACC AREA	Bechtel		Jul-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-7202-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN ACC AREA	Bechtel		Jul-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-7291-00001	UNIT 3: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS ACC AREA	Bechtel		Jul-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-3301-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN SWITCHYARD AREA	Bechtel		Dec-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	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-2101-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN STEAM TURBINE AREA	Bechtel		Jul-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-2191-00001	UNIT 3: UNDERGROUND PLAN SECTIONS AND DETAILS STEAM TURBINE AREA	Bechtel		Jul-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-2102-00001	UNIT 3: EMBEDDED CONDUIT PLAN STEAM TURBINE PEDESTAL	Bechtel		Jul-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-2192-00001	UNIT 3: EMBEDDED CONDUIT SECTIONS AND DETAILS STEAM TURBINE PEDESTAL	Bechtel		Jul-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-1001-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN SRSG TOWER AREA	Bechtel		Sep-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-1002-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN SRSG TOWER AREA	Bechtel		Sep-11	
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	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-1901-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN AUX BOILER AREA	Bechtel		Dec-11	
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	
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	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-3091-00001	UNIT 3: UNDERGROUND PLAN RACWAY SECTIONS AND DETAILS CABLE PIT	Bechtel		Jul-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-3101-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING AREA	Bechtel		Jul-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-3102-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING AREA	Bechtel		Jul-11	
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	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-1902-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN NIGHTTIME PRESERVATION AREA BOILER	Bechtel		Dec-11	
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	

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
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	
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	
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-0010-000##	COMMON: UNDERGROUND RACEWAY PLAN COMMON AREA FACILITIES	Bechtel		07-Dec-10 A	N
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			N
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	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	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-ER-9101-000##	COMMON: EMBEDDED RACEWAY PLAN HELIOSTAT BUILDING FOUNDATION	Bechtel		23-Dec-10 A	
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	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-ER-9101-000##	COMMON: UNDERGROUND RACEWAY PLAN HELIOSTAT BUILDING	Bechtel		23-Dec-10 A	
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-7601-000##	COMMON: UNDERGROUND RACEWAY PLAN WATER WELL AREAS	Bechtel		07-Dec-10 A	
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	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-ER-9010-00001	RACEWAY PLAN AND SECTIONS HELIOSTAT ASSEMBLY BLDG AND CONSTRUCTION AREA	Bechtel			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-9101-000##	Unit-1: HELIOSTAT FIELD UNDERGROUND RACEWAY PLAN	Bechtel		Mar-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-9101-000##	Unit-2: HELIOSTAT FIELD UNDERGROUND RACEWAY PLAN	Bechtel		May-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-ER-9101-000##	Unit-3: HELIOSTAT FIELD UNDERGROUND RACEWAY PLAN	Bechtel		Sep-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-9190-000##	Unit-1: HELIOSTAT FIELD UNDERGROUND CABLE SECTIONS AND DETAILS	Bechtel		Mar-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-9190-000##	Unit-2: HELIOSTAT FIELD UNDERGROUND CABLE SECTIONS AND DETAILS	Bechtel		May-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-ER-9190-000##	Unit-3: HELIOSTAT FIELD UNDERGROUND CABLE SECTIONS AND DETAILS	Bechtel		Sep-11	
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	
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	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-000##	Unit: EQUIPMENT LOCATION PLAN STEAM TURBINE ELECTRICAL EQUIPMENT MODULE	Vendor		May-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-000##	Unit: EQUIPMENT LOCATION PLAN WATER TREATMENT ELECTRICAL EQUIPMENT MODULE	Vendor		May-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-000##	Unit: EQUIPMENT LOCATION PLAN ACC ELECTRICAL EQUIPMENT MODULE	Vendor		May-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E4-8110-000##	EQUIPMENT LOCATION PLAN ADMIN BLDG & CENTRAL CONTROL ROOM	Vendor		Mar-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ERJ-0000-00002	Unit: AG Raceway Notes Symbols and Details	Bechtel		28-Jan-11 A	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1010-000##	UNIT: RACEWAY PLAN SRSG TOWER PLAN EL. 100'-0"	Bechtel		Mar-11	
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	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1020-000##	UNIT: RACEWAY PLAN SRSG TOWER PLAN EL. 120'-0"	Bechtel		Mar-11	
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	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1030-000##	UNIT: RACEWAY PLAN SRSG TOWER PLAN EL. 140'-0"	Bechtel		Mar-11	
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	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1040-000##	UNIT: RACEWAY PLAN SRSG TOWER PLAN EL. 180'-0"	Bechtel		Mar-11	
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	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1110-000##	UNIT: ABOVEGROUND RACEWAY PLAN SRSG STRUCTURE PLAN ELEVATION - 1	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1120-000##	UNIT: ABOVEGROUND RACEWAY PLAN SRSG STRUCTURE PLAN ELEVATION - 2	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1130-000##	UNIT: ABOVEGROUND RACEWAY PLAN SRSG STRUCTURE PLAN ELEVATION - 3	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1140-000##	UNIT: ABOVEGROUND RACEWAY PLAN SRSG STRUCTURE PLAN ELEVATION - 4	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1150-000##	UNIT: ABOVEGROUND RACEWAY PLAN SRSG STRUCTURE PLAN ELEVATION - 5	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1190-000##	UNIT: ABOVEGROUND RACEWAY SECTIONS AND DETAILS SRSG STRUCTURE	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1910-000##	UNIT: ABOVEGROUND RACEWAY PLAN AUXILIARY BOILER AREA AT GRADE	Bechtel		Sep-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1990-000##	UNIT: ABOVEGROUND RACEWAY SECTIONS AND DETAILS AUXILIARY BOILER AREA	Bechtel		Sep-11	
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	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2120-000##	UNIT 1: RACEWAY PLAN TURBINE AREA PLAN EL 126'-0"	Bechtel		May-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2130-000##	UNIT 1: RACEWAY PLAN TURBINE AREA PLAN 138'-3"	Bechtel		May-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2190-000##	UNIT 1: RACEWAY SECTIONS AND DETAILS	Bechtel		May-11	
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	
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	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2130-000##	UNIT 2/3: RACEWAY PLAN TURBINE AREA PLAN 138'-3"	Bechtel		Dec-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2190-000##	UNIT 2/3: RACEWAY SECTIONS AND DETAILS	Bechtel		Dec-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-3001-000##	UNIT: ABOVEGROUND RACEWAY PLAN ELECTRICAL BLDG CABLE PIT	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-3110-000##	UNIT: ABOVEGROUND RACEWAY PLAN PSB BLDG	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-3101-00001	RACEWAY LAYOUT PLANT SERVICES BUILDING	Bechtel			N

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
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-3101-00002	RACEWAY LAYOUT PLANT SERVICES BUILDING	Bechtel			N
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	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-7110-000##	UNIT: ABOVEGROUND RACEWAY PLAN WATER TREATMENT AT GRADE	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-7190-000##	UNIT: ABOVEGROUND RACEWAY SECTIONS AND DETAILS WATER TREATMENT AREA	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-7210-000##	UNIT: ABOVEGROUND RACEWAY PLAN ACC AREA AT GRADE	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-7220-000##	UNIT: ABOVEGROUND RACEWAY PLAN ACC UPPER ELEVATIONS	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-7290-000##	UNIT: ABOVEGROUND RACEWAY SECTIONS AND DETAILS ACC AREA	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-ER-9111-000##	COMMON: ABOVEGROUND RACEWAY PLAN HELIOSTAT BUILDING	Bechtel		Mar-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-ER-9191-000##	COMMON: ABOVEGROUND RACEWAY SECTIONS AND DETAILS HELIOSTAT BUILDING	Bechtel		Mar-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-8110-000##	Common: ABOVEGROUND RACEWAY RACEWAY PLAN ADMIN BLDG & CENTRAL CONTROL ROOM	Bechtel		Jun-11	
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	
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-7610-000##	Common: ABOVEGROUND RACEWAY RACEWAY PLAN COMMON AREA WATER STORAGE FACILITIES	Bechtel		Sep-11	
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	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EQJ-0000-00001	Cathodic Protection - Notes Symbols and Details	Bechtel		27-Aug-10 A	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-0010-00001	Unit-1: CATHODIC PROTECTION PLAN POWERBLOCK AREA	Bechtel		Mar-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EQ-0010-00001	Unit-2: CATHODIC PROTECTION PLAN POWERBLOCK AREA	Bechtel		Aug-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EQ-0010-00001	Unit-3: CATHODIC PROTECTION PLAN POWERBLOCK AREA	Bechtel		Jan-12	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EQ-0000-00001	CATHODIC PROTECTION DETAILS	Bechtel		27-Aug-10 A	Y
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
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	
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	
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	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EGJ-0000-00001		Bechtel		03-Sep-10 A	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-0010-00001	Unit-1: Power Block Grounding Plan	Bechtel		01-Feb-11 A	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-0010-00002	POWER BLOCK LIGHTNING PROTECTION OVERVIEW	Bechtel			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-2101-00002	GROUNDING PLAN STG EEM AREA PLAN	Bechtel			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-3501-00001	UNIT 1 GROUNDING PLAN STATION SERVICE TRANSFORMER AREA PLAN	Bechtel			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-0001-EG-3701-00002	UNIT 1 GROUNDING PLAN PSB ELECTRICAL BUILDING	Bechtel			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EG-0010-00005	COMMON AREA ADMIN BLDG AND WATER STORAGE AREA LIGHTNING PROTECTION OVERVIEW	Bechtel			N
ELEC-1		Approval	Electrical	Calculation	25542-000-EGC-EG-00001	LIGHTNING RISK ASSESSMENT CALCULATION	Bechtel			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-0010-00001	Unit-2: Power Block Grounding Plan	Bechtel		May-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-0010-00001	Unit-3: Power Block Grounding Plan	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-7101-00001	UNIT 1: GROUNDING PLAN WATER TREATMENT AREA	Bechtel		May-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-7102-00001	UNIT 1: GROUNDING PLAN WATER TREATMENT AREA	Bechtel		May-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-7201-00001	UNIT 1: GROUNDING PLAN ACC AREA	Bechtel		Mar-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-7202-00001	UNIT 1: GROUNDING PLAN ACC AREA	Bechtel		Mar-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-3301-00001	UNIT 1: GROUNDING PLAN SWITCHYARD AREA	Bechtel		Feb-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-2101-00001	UNIT 1: GROUNDING PLAN STEAM TURBINE AREA	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-1001-00001	UNIT 1: GROUNDING PLAN SRSG TOWER AREA	Bechtel		24-Jan-11 A	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-1002-00001	UNIT 1: GROUNDING PLAN SRSG TOWER AREA	Bechtel		24-Jan-11 A	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-1901-00001	UNIT 1: GROUNDING PLAN AUX BOILER AREA	Bechtel		Jun-11	
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	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-3102-00001	UNIT 1: GROUNDING PLAN PLANT SERVICES BUILDING AREA	Bechtel		Feb-11	
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	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-7201-00001	UNIT 1 GROUNDING PLAN ACC AREA PLAN EL 2879-0				N
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-7201-00002	UNIT 1 GROUNDING PLAN ACC AREA PLAN EL 2879-0				N
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-7101-00001	GROUNDING PLAN WATER TREATMENT AREA PLAN AT EL 2879-0				N
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-7101-00001	UNIT 2: GROUNDING PLAN WATER TREATMENT AREA	Bechtel		30-Oct-09 A	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-7102-00001	UNIT 2: GROUNDING PLAN WATER TREATMENT AREA	Bechtel		30-Oct-09 A	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-7201-00001	UNIT 2: GROUNDING PLAN ACC AREA	Bechtel		Aug-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-7202-00001	UNIT 2: GROUNDING PLAN ACC AREA	Bechtel		Aug-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-3301-00001	UNIT 2: GROUNDING PLAN SWITCHYARD AREA	Bechtel		Aug-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-2101-00001	UNIT 2: GROUNDING PLAN STEAM TURBINE AREA	Bechtel		Aug-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-1001-00001	UNIT 2: GROUNDING PLAN SRSG TOWER AREA	Bechtel		Jul-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-1002-00001	UNIT 2: GROUNDING PLAN SRSG TOWER AREA	Bechtel		Jul-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-1901-00001	UNIT 2: GROUNDING PLAN AUX BOILER AREA	Bechtel		Oct-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-3101-00001	UNIT 2: GROUNDING PLAN PLANT SERVICES BUILDING AREA	Bechtel		Aug-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-3102-00001	UNIT 2: GROUNDING PLAN PLANT SERVICES BUILDING AREA	Bechtel		Aug-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-1902-00001	UNIT 2: GROUNDING PLAN NIGHTTIME PRESERVATION AREA BOILER	Bechtel		Aug-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-7101-00001	UNIT 3: GROUNDING PLAN WATER TREATMENT AREA	Bechtel		Aug-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-7102-00001	UNIT 3: GROUNDING PLAN WATER TREATMENT AREA	Bechtel		Aug-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-7201-00001	UNIT 3: GROUNDING PLAN ACC AREA	Bechtel		Oct-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-7202-00001	UNIT 3: GROUNDING PLAN ACC AREA	Bechtel		Oct-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-3301-00001	UNIT 3: GROUNDING PLAN SWITCHYARD AREA	Bechtel		Aug-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-2101-00001	UNIT 3: GROUNDING PLAN STEAM TURBINE AREA	Bechtel		Aug-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-1001-00001	UNIT 3: GROUNDING PLAN SRSG TOWER AREA	Bechtel		Aug-11	

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
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-1002-00001	UNIT 3: GROUNDING PLAN SRSG TOWER AREA	Bechtel		Aug-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-1901-00001	UNIT 3: GROUNDING PLAN AUX BOILER AREA	Bechtel		Oct-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-3101-00001	UNIT 3: GROUNDING PLAN PLANT SERVICES BUILDING AREA	Bechtel		Aug-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-3102-00001	UNIT 3: GROUNDING PLAN PLANT SERVICES BUILDING AREA	Bechtel		Aug-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-1902-00001	UNIT 3: GROUNDING PLAN NIGHTTIME PRESERVATION AREA BOILER	Bechtel		Aug-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-3101-00001	UNIT 1: Electrical Service Building Area Grounding Plan	Bechtel		Feb-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-0010-00001	UNIT 2 GROUNDING PLAN MAIN PLANT GRID	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	NA	Approval	Electrical	Drawing	25542-002-EG-3101-00001	UNIT 2: Electrical Service Building Area Grounding Plan	Bechtel		Aug-11	
ELEC-1		Approval	Electrical	Drawing	25542-002-EG-3701-00002	UNIT 2 GROUNDING PLAN PLANT SERVICES ELECTRICAL BUILDING PLAN	Bechtel			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-3101-00001	UNIT 3: Electrical Service Building Area Grounding Plan	Bechtel		Aug-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EG-3101-00001	UNIT: Electrical Service Building Area Grounding Plan	Bechtel		Jun-11	
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	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EG-9101-000##	Common: Heliostat Building Area Grounding Plan	Bechtel		19-Jan-11 A	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EG-7601-000##	Common: Common Area Grounding Plan	Bechtel		06-Jan-11 A	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EG-9010-00001	AREA GROUNDING PLAN HELIOSTAT ASSEMBLY BUILDING AND CONSTRUCTION AREA	Bechtel			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EG-9010-00002	AREA GROUNDING PLAN HELIOSTAT ASSEMBLY BUILDING AND CONSTRUCTION AREA	Bechtel			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EG-9010-00003	AREA GROUNDING PLAN HELIOSTAT ASSEMBLY BUILDING AND CONSTRUCTION AREA	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-0010-000##	Unit: Lightning Protection Key Plan	Bechtel		Feb-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EG-1160-000##	Unit: Lightning Protection Plan: Boiler Structure	Bechtel		Jul-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EG-3110-000##	Unit: Lightning Protection Plan: PS Admin Building	Vendor		Mar-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EG-2111-000##	Unit: Lightning Protection STG Enclosure	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-00008	IVANPAH CPDU - TYPICAL SLD	Vendor			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-00010	IVANPAH CPDU GROUNDING DETAILS	Vendor			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-00012	IVANPAH ROOT CABLE ASSEMBLY CONCEPTUAL	Vendor			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-00014	IVANPAH TRUNK CABLE ASSEMBLY CONCEPTUAL	Vendor			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-00034	IVANPAH SOLAR FIELD HELIOSTAT ELECTRICAL SYSTEM CONCEPTUAL DESIGN	Vendor			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-00035	IVANPAH SOLAR FIELD TYPICAL SUPPLY CIRCUIT VOLTAGE DROP DESCRIPTION	Vendor			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-00037	IVANPAH "Y" CONNECTOR CONCEPTUAL PCB WIRING SCHEME	Vendor			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-00038	SOLAR FIELD CONNECTION SYSTEM REQUIREMENTS FOR CBO	Vendor			N
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-V1A-MXHS-00050	IVANPAH SOLAR FIELD CABLE SIZING CALCULATION	Vendor			N
ELEC-1	NA	Approval	Electrical	DOCUMENT	25542-000-V1A-MXHS-00009	IVANPAH SF TYPICAL ELECTRICAL AND COMMUNICATION CABLE INSTALLATION DETAILS				N
ELEC-1	NA	Approval	Electrical	DOCUMENT	25542-000-V1A-MXHS-00013	IVANPAH SOLAR FIELD CABLE ELECTRICAL INSTALLATION DETAILS				N
ELEC-1	NA	Approval	Electrical	DOCUMENT	25542-000-V1A-MXHS-00069	IVANPAH -1 SOLAR FIELD CABLE ANCHORAGE LAYOUT AND TYPICAL INSTALLATION				N
VIS-4	NA	Approval	Electrical	Drawing	25542-000-ELJ-0000-00001	Unit: Lighting - Notes, Symbols and Details	Bechtel		19-Nov-10 A	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-0010-000##	UNIT: ROADWAY LIGHTING PLAN	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-0010-000##	UNIT: CONSTRUCTION LIGHTING PLAN	Bechtel		31-Aug-10 A	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1010-000##	UNIT: LIGHTING PLAN SRSG TOWER PLAN EL. 100'-0"	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1020-000##	UNIT: LIGHTING PLAN SRSG TOWER PLAN EL. 120'-0"	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1030-000##	UNIT: LIGHTING PLAN SRSG TOWER PLAN EL. 140'-0"	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1040-000##	UNIT: LIGHTING PLAN SRSG TOWER PLAN EL. 180'-0"	Bechtel		Jun-11	
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	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1110-000##	UNIT: LIGHTING PLAN SRSG STRUCTURE ELEVATION - 1	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1120-000##	UNIT: LIGHTING PLAN SRSG STRUCTURE ELEVATION - 2	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1130-000##	UNIT: LIGHTING PLAN SRSG STRUCTURE ELEVATION - 3	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1140-000##	UNIT: LIGHTING PLAN SRSG STRUCTURE ELEVATION - 4	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1150-000##	UNIT: LIGHTING PLAN SRSG STRUCTURE ELEVATION - 5	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1160-000##	UNIT: LIGHTING PLAN SRSG AVIATION WARNING	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1090-000##	UNIT: LIGHTING PLAN TOWER STRUCTURE STAIRWAY	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1910-000##	Unit: LIGHTING PLAN AUXILIARY BOILER AREA AT GRADE	Bechtel		May-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1990-000##	Unit: LIGHTING PLAN AUXILIARY BOILER AREA ELEVATION & SECTIONS	Bechtel		May-11	
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	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-2120-000##	UNIT: LIGHTING TURBINE AREA PLAN EL 126'-0"	Bechtel		May-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-2130-000##	UNIT: LIGHTING TURBINE AREA PLAN 138'-3"	Bechtel		May-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-2190-000##	Unit: MISCELLANEOUS LIGHTING STEAM TURBINE AREA	Bechtel		May-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-3001-000##	Unit: LIGHTING PLAN ELECTRICAL BLDG CABLE PIT	Bechtel		Jan-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-3110-000##	Unit: LIGHTING PLAN ADMIN & ELECTRICAL BLDG	Vendor		Mar-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-3310-000##	Unit: LIGHTING PLAN TRANSFORMER YARD AREA	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-7110-000##	Unit: LIGHTING PLAN WATER TREATMENT AT GRADE	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-7210-000##	Unit: LIGHTING PLAN ACC AREA AT GRADE	Bechtel		Mar-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-7220-000##	Unit: LIGHTING PLAN ACC UPPER ELEVATIONS	Bechtel		Mar-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-7290-000##	Unit: LIGHTING PLAN ACC STAIRWAY	Bechtel		Mar-11	
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			N
ELEC-2	NA	Approval	Electrical	Drawing	25542-009-EL-0010-00001	CONSTRUCTION ROADWAY LIGHTING KEY PLAN	Bechtel			Y
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			N

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
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
VIS-4	NA	Approval	Electrical	Drawing	25542-009-EL-0010-000##	Common: COMMON AREA ROADWAY LIGHTING PLAN	Bechtel		08-Sep-10 A	Y
VIS-4	NA	Approval	Electrical	Drawing	25542-009-EL-0010-000##	Common: COMMON AREA CONSTRUCTION LIGHTING PLAN	Bechtel		31-Aug-10 A	Y
VIS-4	NA	Approval	Electrical	Drawing	25542-009-V1A-AKBS-000##	Common: LIGHTING RACEWAY PLAN ADMIN BLDG & CENTRAL CONTROL ROOM	Vendor		Mar-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-009-EL-9111-000##	Common: LIGHTING PLAN HELIOSTAT BUILDING	Bechtel		Jan-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-009-EL-9111-000##	Common: LIGHTING RACEWAY PLAN HELIOSTAT BUILDING (PARKING LOT, TRANSFORMER)	Bechtel		Jan-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-00004	Unit: LIGHTING PLAN SRSG ELECTRICAL EQUIPMENT MODULE	Vendor		May-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-00002	Unit: LIGHTING PLAN STEAM TURBINE ELECTRICAL EQUIPMENT MODULE	Vendor		May-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-00001	Unit: LIGHTING PLAN WATER TREATMENT ELECTRICAL EQUIPMENT MODULE	Vendor		May-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-00003	Unit: LIGHTING PLAN ACC ELECTRICAL EQUIPMENT MODULE	Vendor		May-11	
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	
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	
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	
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	
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	
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	
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	
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	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1090-000##	UNIT: MISCELLANEOUS HEAT TRACING BOILER STRUCTURE AREA	Bechtel		Mar-12	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1110-000##	UNIT: HEAT TRACING PLAN SRSG STRUCTURE ELEVATION - 1	Vendor		Mar-12	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1120-000##	UNIT: HEAT TRACING PLAN SRSG STRUCTURE ELEVATION - 2	Vendor		Mar-12	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1130-000##	UNIT: HEAT TRACING PLAN SRSG STRUCTURE ELEVATION - 3	Vendor		Mar-12	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1140-000##	UNIT: HEAT TRACING PLAN SRSG STRUCTURE ELEVATION - 4	Vendor		Mar-12	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1150-000##	UNIT: HEAT TRACING PLAN SRSG STRUCTURE ELEVATION - 5	Vendor		Mar-12	
ELEC-1		Approval	Electrical	Drawing	25542-000-EH-1910-000##	UNIT: HEAT TRACING PLAN AUXILIARY BOILER AREA AT GRADE	Bechtel		Apr-12	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1990-000##	UNIT: HEAT TRACING PLAN AUXILIARY BOILER AREA ELEVATION & SECTIONS	Bechtel		Apr-12	
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	
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	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EH-2130-000##	UNIT 1: HEAT TRACING PLAN TURBINE AREA PLAN 138'-3"	Bechtel		Sep-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EH-2190-000##	UNIT 1: HEAT TRACING SECTIONS AND DETAILS	Bechtel		Sep-11	
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	
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	
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	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-2190-000##	UNIT 2/3: HEAT TRACING SECTIONS AND DETAILS	Bechtel		Nov-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-7110-000##	UNIT: HEAT TRACING PLAN WATER TREATMENT AT GRADE	Bechtel		Apr-12	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-7190-000##	UNIT: HEAT TRACING PLAN WATER TREATMENT ELEVATIONS & SECTIONS	Bechtel		Apr-12	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-7210-000##	UNIT: HEAT TRACING PLAN ACC AREA AT GRADE	Bechtel		Apr-12	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-7220-000##	UNIT: HEAT TRACING PLAN ACC UPPER ELEVATIONS	Bechtel		Apr-12	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-7290-000##	UNIT: HEAT TRACING PLAN ACC ELEVATIONS & SECTIONS	Bechtel		Apr-12	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EH-7610-000##	Common: HEAT TRACE PLAN COMMON AREA WATER STORAGE FACILITIES	Bechtel		Oct-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-EH00-00001	Unit: Water Treatment Area Tracer Schedule	Bechtel		Sep-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-EH00-00001	Unit 2/3: STG Area Tracer Schedule	Bechtel		Oct-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-EH00-00002	Unit: STG Area Tracer Schedule	Bechtel		Sep-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-EH00-00003	Unit 2/3: Tower Area Tracer Schedule	Bechtel		Feb-12	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-EH00-00003	Unit: Tower Area Tracer Schedule	Bechtel		Oct-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-EH00-00004	Unit: SRSG Area Tracer Schedule	Bechtel		Oct-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-EH00-00005	Unit: ACC Area Tracer Schedule	Bechtel		Sep-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-EH00-00006	Unit: Aux Boiler Area Tracer Schedule	Bechtel		Oct-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EH-EH01-00001	Common Area Tracer Schedule	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E3-1910-00001	Area Classification Plan Auxiliary Boiler and Fuel Gas Heater Areas	Bechtel		Sep-11	
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	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - Water Treatment Area	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - STG Area	Bechtel		May-11	
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	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EC-EL00-000##	Common: 208-120V AC Lighting Panel Schedule - Heliostat Building Area	Bechtel		Jan-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - PSB Building Area	Bechtel		Jan-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - Tower Area	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - SRSG Area	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - ACC Area	Bechtel		Mar-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - Aux Boiler Area	Bechtel		May-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - Road Lighting	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EH00-000##	Unit: Water Treatment Area Heat Trace Panel Schedule	Bechtel		Sep-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EC-EH00-000##	Unit 1: STG Area Heat Trace Panel Schedule	Bechtel		Sep-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EC-EH00-000##	Unit 2/3: STG Area Heat Trace Panel Schedule	Bechtel		Nov-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EC-EH00-000##	Unit: Tower Area Heat Trace Panel Schedule	Bechtel		Oct-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EC-EH00-000##	Unit 2/3: Tower Area Heat Trace Panel Schedule	Bechtel		Mar-12	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EH00-000##	Unit: SRSG Area Heat Trace Panel Schedule	Bechtel		Oct-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EH00-000##	Unit: ACC Area Heat Trace Panel Schedule	Bechtel		Sep-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EH00-000##	Unit: Aux Boiler Area Heat Trace Panel Schedule	Bechtel		Oct-11	
ELEC-1		Approval	Electrical	Drawing	25542-000-EZ-3510-00001	115KV SWITCHYARD GA	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-000-EZ-3590-00001	115KV SWITCHYARD SECTIONS AND DETAILS	Bechtel			N
ELEC-1		Approval	Electrical	Drawing	25542-000-EZ-3590-00002	115KV SWITCHYARD ELECTRICAL HARDWARE DETAILS	Bechtel			N
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

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
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EC-EH00-000##	Common: Water Storage Area Heat Trace Panel Schedule	Bechtel		Jan-12	
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
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
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
ELEC-1	NA	Approval	Electrical	Calculation	25542-002-EGC-EG-00001	Unit 2 Grounding Calculation	Bechtel		Mar-11	N
ELEC-1	NA	Approval	Electrical	Calculation	25542-003-EGC-EG-00001	Unit 3 Grounding Calculation	Bechtel		May-11	
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
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	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-E0C-EQ-00001	Unit 1: Cathodic Protection Calculation	Bechtel		Mar-11	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-E0C-EQ-00001	Unit 2: Cathodic Protection Calculation	Bechtel		Aug-11	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-E0C-EQ-00001	Unit 3: Cathodic Protection Calculation	Bechtel		Jan-12	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-E0C-EQ-00001	Natural Gas Pipeline Cathodic Protection Calculation	Bechtel		27-Aug-10 A	Y
ELEC-1	G	Approval	Electrical	Calculation	25542-000-E0C-EW-00002	Unit: Ductbank Ampacity & Underground cable sizing calculation	Bechtel		Mar-11	
ELEC-1	G	Approval	Electrical	Calculation	25542-009-E0C-EW-00001	Common: Ductbank Ampacity & Underground cable sizing calculation	Bechtel		Mar-11	
ELEC-1	G	Approval	Electrical	Calculation	25542-000-E0C-EW-00001	A/G Cable Sizing Calculation	Bechtel		20-Oct-10 A	Y
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	
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	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation Construction Lighting Common Area	Bechtel		31-Aug-10 A	Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation Construction Lighting Power Block	Bechtel		31-Aug-10 A	Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation ACC Area	Bechtel		Mar-11	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation XFMR Area	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation Water Treatment Area	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation STG Area	Bechtel		May-11	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation PSB Building Area	Bechtel		Jan-11	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation Tower Area	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation SRSG Area	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation Aux Boiler Area	Bechtel		May-11	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation Unit Roadway Lighting	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Lighting Calculation Common Area Roadway Lighting Plan	Bechtel		08-Sep-10 A	Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Lighting Calculation Heliostat Building Area	Vendor		Jan-11	Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit and Common: Lighting Energy Calculations (for CBO)	Bechtel		May-11	
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	
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	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-EMC-EM00-000##	Unit: GSU, UAT, SST protective relay setting calculation	Bechtel		Nov-11	
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
ELEC-1	NA	Approval	Electrical	Specification	25542-000-3PS-EBB3-00001	TECHNICAL SPEC FOR ISOLATED PHASE BUS AND ACCESSORIES	Bechtel			N
ELEC-1	NA	Approval	Electrical	Specification	25542-000-3PS-EKL3-00001	ELECTRICAL EQUIPMENT MODULES	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Specification	25542-000-3PS-ESM1-00002	33KV PAD MOUNTED SWITCHGEAR	Bechtel			Y
ELEC-1	G	Approval	Electrical	Specification	25542-000-3PS-SY10-00001	DESIGN, FABRICATION AND SUPPLY OF TUNED MASS DAMPER	Bechtel			N
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00016	PAD BOND BUILDING 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	
ELEC-1	NA	Approval	Electrical	Document	25542-000-V1A-ESL1-000##	CERTIFICATE OF COMPLIANCE - 4.16KV SWITCHGEAR (BLACK BOX)	Bechtel/Vendor		Jul-11	
ELEC-1	G	Approval	Electrical	Document	25542-000-V1A-ETP0-000##	CERTIFICATE OF COMPLIANCE - GENERATOR STEPUP TRANSFORMERS (BLACK BOX)	Bechtel/Vendor		Nov-11	
ELEC-1	G	Approval	Electrical	Document	25542-000-V1A-ETP1-000##	CERTIFICATE OF COMPLIANCE - UNIT AUXILIARY (BLACK BOX)	Bechtel/Vendor		Nov-11	
ELEC-1	NA	Approval	Electrical	Document	25542-000-V1A-ECM1-000##	CERTIFICATE OF COMPLIANCE - 480V MCC'S (BLACK BOX)	Bechtel/Vendor		Jun-11	
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	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-000##	CPDU SINGLE LINE DIAGRAM	Owner		Mar-11	
ELEC-1	NA	Approval	Electrical	Caclulation	25542-000-V1A-MXHS-000##	HELIOSTAT FIELD CABLE VOLTAGE DROP CALCULATION	Owner		Mar-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-000##	HELIOSTAT CABLE ASSEMBLY (including code analysis)	Owner		Mar-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-000##	HELIOSTAT CABLE INSTALLATION DETAILS	Owner		Mar-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-000##	HELIOSTAT CPDU GROUNDING	Owner		Mar-11	

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
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-000##	CAMERA PANEL SINGLE LINE	Owner		Mar-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-00##	WEATHER STATION SINGLE LINE	Owner		Mar-11	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-MXHS-000##	HELIOSTAT STRUCTURAL / PHYSICAL ASSEMBLY DESIGN DRAWINGS	Owner	May be submitted with pylon design package	May-11	
STRUC-1	NA	Approval	Civil	Caclulation	25542-000-V1A-MXHS-000##	HELIOSTAT STRUCTURAL / PHYSICAL ASSEMBLY DESIGN CALCULATIONS	Owner	May be submitted with pylon design package	May-11	
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-4	May-11	
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-5	May-11	
ELEC-1	NA	Approval	Electrical	Drawing		HELIOSTAT FIELD TRANFORMER PAD GROUNDING	Bechtel		Oct-10	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-AK00S-000##	HELIOSTAT ASSEMBLY BUILDING SUPPORT FACILITIES (office & restroom trailers, etc.)	Bechtel		Nov-10	N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-AK00S-000##	HELIOSTAT ASSEMBLY BUILDING STRUCTURAL HOIST/CRANE SUPPORTS	Owner		Nov-10	
MECH-2	NA	Approval	Mechanical	Document	25542-000-V1A-AK00S-000##	HELIOSTAT ASSEMBLY BUILDING AIR COMPRESSOR CERTIFICATIONS	Owner		Nov-10	

Exhibit 11

CBO Payment Documentation
Conditions of Certification
GEN-3

Condition of Certification GEN-3 Summary

Bureau Veritas had two invoices processed by NRG Construction LLC.

Invoice Number: 1116620
Invoice Date: 05/23/2011
Invoice Amount: $155,982.40
Invoice Dates of Service: 4/1/2011 to 4/30/2011
Status: Invoice was paid by NRG Construction LLC on 6/29/2011.

Invoice Number: 1116369
Invoice Date: 05/19/2011
Invoice Amount: $42,658.60
Invoice Dates of Service: 4/1/2011 to 4/30/2011
Status: Invoice was paid by NRG Construction LLC on 6/29/2011.

Exhibit 12

Key Events List
Conditions of Certification
COMP-6

KEY EVENTS LIST

Last Updated March 9, 2011

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	10/04/2010
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)	03/31/2011
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)	12/15/2011
Start Commercial Operation	07/01/2013
Complete All Construction	04/30/2013
GENERATION TIE LINE ACTIVITIES	
Start Generation Tie Line Construction	TBD
Synchronization with Grid and Interconnection	TBD
Complete Generation Tie Line Construction	TBD
FUEL SUPPLY LINE ACTIVITIES	
Start Gas Pipeline Construction and Interconnection	08/29/11
Complete Gas Pipeline Construction	04/03/12
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

FISH AND WILDLIFE SERVICE
Ventura Fish and Wildlife Office
2493 Portola Road, Suite B
Ventura, California 93003

IN REPLY REFER TO:
81440-2010-F-0096
8-8-10-F-24

June 10, 2011

Memorandum

To: District Manager, California Desert District, Bureau of Land Management, Moreno Valley, California

From: Field Supervisor, Ventura Fish and Wildlife Office, Ventura, California

Subject: 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)

This document transmits the U.S. Fish and Wildlife Service's (Service) biological opinion based on our review of the Bureau of Land Management's (Bureau) issuance of a right-of-way grant to Solar Partners I, LLC, Solar Partners II, LLC, and Solar Partners VIII, LLC for the Ivanpah Solar Electric Generating System (ISEGS) and its effects on the federally threatened desert tortoise (*Gopherus agassizii*) in accordance with section 7 of the Endangered Species Act of 1973, as amended (16 U.S.C. 1531 et seq.). Because BrightSource Energy is a parent company for all Solar Partner Companies, this biological opinion refers to the project proponents collectively as BrightSource. The proposed project involves construction, operation, maintenance, and decommissioning of a 370-megawatt solar thermal power plant and associated infrastructure and facilities on 3,582 acres of public land managed by the Bureau. This biological opinion replaces our October 1, 2010 biological opinion previously issued for the Bureau's right-of-way grant for the ISEGS project (Service 2010d). Your February 24, 2011 request for re-initiation of the October 1, 2010, consultation was received in our office on February 28, 2011, and was followed by information to support your request on March 25, 2011 and April 25, 2011.

We based this biological opinion on information you provided on March 25 and April 25, 2011, information that accompanied your initial December 7, 2009, request for consultation, and additional information regarding population estimates and revisions to the translocation strategy. This information includes the biological assessment to support re-initiation (Bureau 2011a), Unit 1 clearance survey data (Woodman 2011a), population survey data for Units 2, 3, and the revised recipient sites (Vaughn 2011, Woodman 2011b), the biological assessment for the previous consultation and its revision (CH2MHill 2009a, 2010a), the draft environmental

impact statement and final staff assessment (Bureau and California Energy Commission 2009), the supplemental draft environmental impact statement (Bureau 2010), the management plan for common ravens (CH2MHill 2008b), the project site reclamation plan (CH2MHill 2009c), and the site plan for management of weeds (CH2MHill 2008c). A record of this consultation can be made available at the Ventura Fish and Wildlife Office.

Construction, operation, maintenance, and decommissioning of the ISEGS facility and translocation of desert tortoises do not require activities that would adversely affect the primary constituent elements of critical habitat for the desert tortoise because the actions would not take place within critical habitat or directly or indirectly affect the primary constituent elements. Therefore, we do not address critical habitat in this biological opinion.

Consultation History

On December 7, 2009, the Bureau initiated consultation for construction, operation, maintenance, and decommissioning of the ISEGS facility. Following public comment on the Bureau's draft environmental impact statement and the California Energy Commission's final staff assessment, BrightSource modified its project to reduce adverse effects to desert tortoises and rare plant species. On April 26, 2010, we issued a draft biological opinion to the Bureau (Service 2010c). We revised the draft biological opinion based on comments from the Bureau and BrightSource. On July 21, 2010, the Bureau provided us with a revised translocation strategy (Fesnock 2010b) that required significant revisions to the draft biological opinion. On September 21, 2010, the Bureau provided additional changes to the translocation strategy (Fesnock 2010a), requiring further revisions of the draft biological opinion. On October 1, 2010, we issued a final biological opinion that analyzed the effects associated with the reduced project footprint, the revised translocation strategy, and the comments received from the Bureau and BrightSource.

Following desert tortoise clearance surveys of the first portion of the project, the Bureau provided an annual status report that summarized the results of these surveys (Bureau 2011b). This report did not provide any new information to suggest that the analysis in the 2010 biological opinion was inaccurate and, at that point, the Bureau had not exceeded the take exempted through the 2010 biological opinion. However, disease testing of desert tortoises cleared from Unit 1 of the project site indicated that the translocation strategy in the 2010 biological opinion required revision prior to moving forward with clearance surveys of the other portions of the project because this indicated that the adjacent translocation recipient sites were also likely to contain diseased animals. In addition, construction monitoring of perimeter fence installation around Units 2 and 3 in the winter and spring of 2011 indicated that these portions of the project might contain more desert tortoises than anticipated in the 2010 biological opinion. Based on the need to reassess the population estimates on Units 2 and 3 and the need to revise the translocation strategy to address disease concerns, the Bureau requested re-initiation of consultation on February 24, 2011 (Bureau 2011c). On March 15, 2011, we informed the Bureau that it had not provided sufficient information to initiate consultation

because its request did not include a biological assessment or other information to allow us to perform a new analysis (Service 2011a). On March 25, 2011, the Bureau provided additional information to support re-initiation of consultation (Fesnock 2011a). Following the start of consultation, the Bureau provided a revised biological assessment on April 25, 2011 (Bureau 2011a).

United States Department of the Interior
BUREAU OF LAND MANAGEMENT
California State Office
2800 Cottage Way, Suite W1623
Sacramento, CA 95825
www.blm.gov/ca

1 0 JUN 2011

In Reply Refer To: 2800 (CA930)P
CACA-48668, 49502, 49503, 49504

Jack Jenkins-Stark
Solar Partners I, II and VIII, LLC
1999 Harrison Street, Suite 2150
Oakland CA 94612

Notice to Proceed with Activities and
Notice to Proceed with Unit 2 and Unit 3

On October 7, 2010, BLM approved four right-of-way grants for the Ivanpah Solar Electric Generating System project. Grant CACA-49502, issued to Solar Partners I, II, and VIII, authorizes the use and occupancy of approximately 246 acres of public land for the Construction Logistics Area and common shared facilities necessary to construct, operate, maintain, and decommission the Ivanpah Solar Electric Generating System project. Grant CACA-49504, issued to Solar Partners II, LLC, authorizes the use and occupancy of 914 acres of public land as the Ivanpah 1 Site for the construction, operation, maintenance, and decommissioning of a 120 MW thermal concentrated solar power tower electric generation project and its ancillary facilities. Grant CACA-48668, issued to Solar Partners I, LLC, authorizes the use and occupancy of 1,076.51 acres of public land as the Ivanpah 2 Site for the construction, operation, maintenance, and decommissioning of a 125 MW thermal concentrated solar power tower electric generation project and its ancillary facilities. Grant CACA-49503, issued to Solar Partners VIII, LLC, authorizes the use and occupancy of 1,234.93 acres of public land as the Ivanpah 3 Site for the construction, operation, maintenance, and decommissioning of a 125 MW thermal concentrated solar power tower electric generation project and its ancillary facilities. These grants require the holder of the grant to comply with the October 1, 2010 Biological Opinion; failure to comply with the Biological Opinion is grounds for suspension or termination of the grant.

On April 15, 2011, BLM issued an immediate and temporary suspension Decision requiring you to cease fence construction within CACA-48668 and CACA-49503. This Decision was based on the status of the Biological Opinion and the incidental take limits established for the project. Our Decision did not affect ongoing construction activities in previously tortoise fenced and cleared areas within the Construction Logistics Area, Ivanpah Unit 1, and Ivanpah Unit 2 power block

and access road. In addition, the Decision suspended approval of Change of Verification 002 for CACA-49502.

BLM reinitiated consultation under Section 7 of the Endangered Species Act for the project as a whole. On June 10, 2011, the U. S. Fish and Wildlife Service issued a Biological Opinion for the Project replacing the October 1, 2010, Biological Opinion. This Biological Opinion provides adjusted take limits for handling desert tortoise associated with the project and amends the terms and conditions contained in the October 1, 2010, Biological Opinion.

On June 8, 2011, the holders of the grants filed a written request for permission to resume activities pursuant to 43 CFR 2807.16(c). This Notice grants permission for the holders to resume those suspended fence construction activities in Units 2 and 3 and is issued pursuant to 43 CFR 2807.16 (d). The Immediate Temporary Suspension order dated April 15, 2011, is cancelled and the holders are authorized to resume all previously approved construction activities subject to any updated reasonable and prudent measures and terms and conditions in the Biological Opinion. This Notice also requires the holders of the grants to file a modification to the previously approved Plan of Development for the project within 90 days that acknowledges and incorporates any new reasonable and prudent measures and terms and conditions included in the Biological Opinion.

This Notice also comprises a new Notice to Proceed with all remaining construction related activities in ROW CACA-48668 (Unit 2) and CACA-49503 (Unit 3) in accordance with the approved Plan of Development and the terms, conditions and stipulations contained in the right-of-way grants dated October 7, 2010, and the Biological Opinion. Initial construction activities that will take place during the summer of 2011 are outlined in the enclosure titled, "Description of Work for Spring ISEGS", and the holders shall defer all work within the heliostat fields of Units 2 and 3 until such time as the work can be completed in accordance with the Biological Opinion. No further Notices to Proceed with constrution activities are required from BLM for activities related to the heliostat fields.

This Notice does not affect our cancellation of Change of Verification 002 for CACA-49502, since the need for that change is no longer required.

Thomas Pogacnik
Deputy State Director, Natural Resources

Enclosure
Description of Work for Spring ISEGS

cc: Eric Knight, California Energy Commission
John Werfal, Bureau Veritas

Worksheet
Determination of NEPA Adequacy (DNA)
U.S. Department of the Interior
Bureau of Land Management

OFFICE: California Desert District, Needles Field Office

TRACKING NUMBER:

CASEFILE/PROJECT NUMBER: CACA-48668 and 49503

PROPOSED ACTION TITLE/TYPE: Replacement Biological Opinion

LOCATION/LEGAL DESCRIPTION:

1. CACA-48668
   T. 17 N., R. 14 E., SBM
   sec. 27, SW¼NW¼, SW¼, SW¼SE¼;
   sec. 28, S½NE¼,SE¼NW¼, E½SW¼, SE¼;
   sec. 33, E½, E½W½;
   sec. 34, W½E½, W½.

   Acres: 1,030.31

2. CACA-49503
   T. 17 N., R.14 E., SBM
   sec. 20, S½NE¼, SE¼;
   sec. 21, S½N½, S½;
   sec. 22, SW¼NW¼, W½SW¼;
   sec. 27,W½NW¼;
   sec. 28, N½, SW¼;
   sec. 29, E½, SE¼NW¼, E½SW¼;
   sec. 33, E½W½.

   Acres: 1,218.93

APPLICANT (if any):
Solar Partners I, II, and VIII, LLC
1999 Harrison Street, Suite 2150
Oakland, CA 94612

A. Description of the Proposed Action and any applicable mitigation measures

On October 7, 2010, the BLM Needles Field Office granted four right-of-way (ROW) grants for construction of the Ivanpah Solar Electric Generating System. Project grants were issued for

Units 1, 2, and 3, and the common Construction Logistics Area (or CLA). The ROW grants were supported by a draft, supplemental, and final Environmental Impact Statement, and a biological opinion (BO) from the FWS. The BO (8-8-10-F-24) was in turn supported by a biological assessment.

Project construction began in fall 2010 in accordance with the project description, the biological assessment, and the BO. Pursuant to issued Notices to Proceed, the ROW holders (collectively referred to herein as Bright Source Energy, or BSE) constructed perimeter and tortoise barrier fences around the initial approved parts of the project site and moved desert tortoises off part of the project work site in accordance with the BO issued in October 2010. As construction of perimeter fences for Unit 3 was underway, clearance surveys indicated a higher than anticipated number of tortoises (the original number was based on preconstruction inventories). Due to the higher than anticipated number of desert tortoises on site, and suggested changes by BSE to the translocation of tortoises, BLM reinitiated consultation with the FWS. At that time, BSE was well within the incidental take limits established by the BO. In April, it became apparent to BLM and the FWS that BSE had become close to and in some categories, just exceeded the number of desert tortoises that could be taken under the terms of the incidental take limit established by the BO. As such, BLM issued an immediate temporary suspension of work pending receipt of a revised BO and incidental take statement. On June 10, 2011 the FWS issued a revised BO (8-8-10-F-24R) for the project which addressed the increased number of desert tortoises on site and changes to translocation of the animals.

With respect to construction, operation, maintenance, and decommissioning of the ISEGS facility, the BLM has not changed the description of the project from the previous consultation with the FWS. The June 2011 BO identifies changes to the translocation strategy: specifically, proposed modifications to desert tortoise handling procedures, installation of desert tortoise fencing and culverts along Colosseum Road and Yates Well Road, modification of the holding period for tortoises <120 mm in size, and different translocation sites one of which requires a temporary tortoise proof fence. All of these changes are designed to reduce impacts to the tortoise and do not result in any changes to the design of the solar facility.

Desert tortoise handling procedure changes: Tortoises found within the boundary of the project site will be held in quarantine pens and health assessments completed. Those tortoises found within 500 meters of the project boundary will be relocated over the fence once they are determined to be healthy. Those located greater than 500 meters from a unit boundary will be translocated in accordance with an approved translocation plan. Juveniles <120 mm will be held for up to five years to allow them to become more resistant to predation. The June 2011 Biological Opinion differs from the October 2010 BO in that it allows for additional handling of tortoises within the project area and within the resident and control populations and a more dispersed translocation zone. The area affected by the translocation plan is the same.

Desert tortoise fencing changes: Under the previous consultation, BSE fenced Colosseum Road to reduce desert tortoise injury and mortality associated with access route use. To further reduce the potential for mortality on other portions of the project access route, BSE would now fence Yates Well Road from Interstate 15 to Colosseum Road with desert tortoise exclusion fencing. The fencing of Yates Well Road would tie into the existing Colosseum Road fencing

and into the Interstate 15 fencing. To reduce habitat and population fragmentation associated with this barrier, BSE would install three culverts under Colosseum Road to allow movement of desert tortoises under the road. (BO pp. 5-6.) The fencing of Yates Well Road and the installation of the three culverts would further reduce desert tortoise injury and mortality associated with use of these routes.

Translocation site changes: Originally, specific areas for initial placement of tortoises had been identified. There was full understanding that from these initial points, tortoises would be free ranging and could therefore occur anywhere within the Valley. The revised translocation plan allows for a more dispersed initial placement with the understanding that free ranging tortoises could occur anywhere within the Valley. The effects of the two methods are substantially the same.

In spring 2011, all tortoises that were located within the approved construction areas and that were required to be quarantined were transported to, and are now held in, quarantine pens. These tortoises will not be translocated or relocated until fall 2011 if conditions are suitable. Therefore the proposed action is substantially the same action and location (or is a part of that action) analyzed in the subject FEIS and Record of Decision. The translocation plan provided by BSE is being modified to meet current terms and conditions contained in the June 2011 BO.

This DNA addresses whether the existing environmental analysis is adequate for the project as approved or whether additional analysis is necessary based upon changes to minimization measures for desert tortoise as delineated in the June 2011 BO. With issuance of a notice to BSE that it may resume activities that were suspended under the temporary suspension order, and the issuance of the final notice to proceed with construction of Units 2, and 3, BSE will be authorized to resume all remaining construction activities in compliance with the stipulations of the ROW grants, the applicant's Plan of Development, and the June 2011 BO.

B. Conformance with the Land Use Plan (LUP) and Consistency with Related Subordinate Implementation Plans

LUP Name: California Desert Conservation Area Plan Date Approved 1980

Other Document: Northern and Eastern Mojave Desert Management Plan Amendment (NEMO) Date Approved 2002

The proposed action is in conformance with the applicable LUPs because the CDCA Plan was specifically amended to allow the ISEGS project site in the *California Desert Conservation Area Plan Amendment / Final Environmental Impact Statement for Ivanpah Solar Electric Generating System* (FEIS-10-31; July 2010).

C. Identify applicable National Environmental Policy Act (NEPA) documents and other related documents that cover the proposed action.

List by name and date all applicable NEPA documents that cover the proposed action.

- *California Desert Conservation Area Plan Amendment / Final Environmental Impact Statement for Ivanpah Solar Electric Generating System* (FEIS-10-31; July 2010)
- Record of Decision for the Ivanpah Solar Electric Generating System Project and Associated Amendment to the California Desert Conservation Area Plan, October 7, 2010.

List by name and date other documentation relevant to the proposed action (e.g., biological assessment, biological opinion, watershed assessment, allotment evaluation, and monitoring report).

- Revised Biological Assessment for the Ivanpah Solar Electric Generating System (Ivanpah SEGS) Project, dated April 19, 2011.
- Biological Opinion on BrightSource Energy's Ivanpah Solar Generating System Project, San Bernardino County, California – US Fish and Wildlife Service, June 10, 2011.

D. NEPA Adequacy Criteria

1. Is the new proposed action a feature of, or essentially similar to, an alternative analyzed in the existing NEPA document(s)? Is the project within the same analysis area, or if the project location is different, are the geographic and resource conditions sufficiently similar to those analyzed in the existing NEPA document(s)? If there are differences, can you explain why they are not substantial?

Yes. The June 2011 BO does not change the disposition of tortoises found on the Ivanpah Solar Project, it only changes the project's incidental take limits and identifies terms and conditions to further reduce impacts to tortoises. The minimization requirements discussed in the June 2011 BO do not change any elements of the overall ISEGS project.

2. Is the range of alternatives analyzed in the existing NEPA document(s) appropriate with respect to the new proposed action, given current environmental concerns, interests, and resource values?

Yes. The EIS analyzed an appropriate range of alternatives given the purpose and need for the project. Four alternatives were analyzed in detail including: (1) Proposed Action, (2) No Action, (3) Mitigated Ivanpah 3 Alternative (identified as the Preferred Alternative), and (4) Modified I-15 Alternative. In addition, BLM considered but eliminated from detailed analysis 22 additional alternatives that included seven alternative site locations, five other solar energy production alternatives, five other renewable energy technology alternatives, and four other methods of generating or conserving energy alternatives. BLM also considered but eliminated a phased development approach which was a modification of the proposed action alternative.

No new environmental concerns, interests, resource values, or circumstances have been revealed since the EIS was published in 2010 that would indicate a need for additional alternatives.

3. Is the existing analysis valid in light of any new information or circumstances (such as,

rangeland health standard assessment, recent endangered species listings, updated lists of BLM-sensitive species)? Can you reasonably conclude that new information and new circumstances would not substantially change the analysis of the new proposed action?

Yes. The EIS's analysis of impacts to the Desert Tortoise does not change substantially due to the new information and changes to the translocation plan or to the increased estimation of desert tortoise numbers in the project area. The March 2009 draft translocation plan was developed using FWS translocation guidelines. In later revisions to the original translocation plan, a translocation zone was identified, vegetation assessments completed, and density surveys conducted. In November 2009, the draft EIS for the project identified relocation and translocation areas to the west and north of the ISEGS project. The BLM concluded that the density of tortoises in the proposed translocation area was low and that moving animals from the ISEGS site to the translocation area would not overburden the resident population. Translocation site habitat quality was discussed and, as a proposed mitigation measure, BSE was required to develop a translocation plan in consultation with the BLM, FWS, California Energy Commission and the California Department of Fish and Game. It was determined that implementation of this mitigation measure, e.g., the development of the translocation plan, would minimize harm to tortoises during relocation and translocation activities associated with construction of the ISEGS project. In the original biological assessment, the BLM included a translocation map to be considered by the FWS in its analysis of biological impact.

The supplemental EIS did not address any change in the translocation strategy. In the July 2010 final EIS, the BLM responded to comments regarding the adequacy of the translocation strategy. In addition, Renewable Energy Action Team (REAT) (BLM, FWS, CDFG, and CEC) Managers released coordinated and revised guidelines for translocation that updated the FWS translocation guidelines with modified disease testing protocols for translocated populations, and identified preferences to move tortoises into habitats that would be protected in the short and long term. The translocation strategy was modified in that healthy tortoises within 500 meters of the north and west boundary of the project would be moved west and north into the translocation area analyzed in the DEIS. No tortoises would be moved east or south because of potential conflicts with future projects in that area. Tortoises more than 500 meters from the project boundary would be moved to a translocation area in the Mojave National Preserve to afford long-term protection. Quarantine programs would be established on-site during the disease testing time frame. The National Park Service did not accept the translocation provision that would place translocated tortoise into the Preserve.

During the time period leading to the issuance of the Record of Decision (October 2010) for the project, the FWS further modified its translocation guidelines (August 2010) to change the disease testing of resident populations prior to allowing translocation. Tortoises would be moved into translocation areas west and north of the project after disease testing was conducted on both resident and translocated populations. Tortoises would be held in quarantine pens on-site in the interim pending the results of the disease tests. A final translocation area map was submitted to the BLM with the final Plan of Development.

In the April 2011, BLM's revised Biological Assessment changed the estimated number of tortoises on-site that would require translocation. The translocation strategy was revised to

clarify the within-home range translocation and outside-of-home range translocation of adults, and to identify a head start program to improve juvenile tortoise survival which recommended holding juvenile tortoises in pens for up to five years prior to release. The translocation area was revised to a two kilometer area surrounding the project excluding the east side. A map was attached to the revised biological assessment that identified the translocation area under consideration in the reinitiation of consultation effort.

Upon this informational backdrop, the FWS has now issued its June 2011 BO that addresses revisions in the translocation strategy based on the increased estimate of tortoise numbers on-site. Impacts to tortoises are expected to be minimized by translocation to areas off-site or to holding pens for the short-term. Although the specifics of the translocation strategy have changed, the act of translocation as a minimization/mitigation measure has remained constant. As such, there have been no changes to the project as approved, merely maturation of mitigation as the project moves forward during construction.

4. Are the direct, indirect, and cumulative effects that would result from implementation of the new proposed action similar (both quantitatively and qualitatively) to those analyzed in the existing NEPA document?

Yes. The EIS already describes impacts to desert ecosystems, desert tortoise, other biological resources, soil and water impacts, and reclamation requirements for the areas addressed in the proposed action. Complete botanical and animal species inventories have been completed for the proposed action areas as well as cultural resources inventories and paleontological inventories. The Drainage Erosion and Sediment control plans and Stormwater management plans respond to all the anticipated impacts of the proposed action. The direct, indirect and cumulative impacts associated with the current proposed action are substantially unchanged from those identified in the FEIS. All mitigation measures developed for each resource in the final EIS and ROD continue to apply to the project. The additional mitigation measures identified in the Biological Assessment, such as the fencing of Yates Well Road and the installation of the three culverts, will further reduce direct, indirect, and cumulative effects to desert tortoise.

5. Are the public involvement and interagency review associated with existing NEPA document(s) adequate for the current proposed action?

Yes. The ISEGS project is within the CDCA Plan amendment which went through extensive public scoping, and public involvement during the development of the EIS. The Draft EIS was prepared jointly with the California Energy Commission. The Commission and BLM conducted multiple joint scoping meetings, public workshops, and coordinated closely with affected Federal and State agencies. The final EIS contains nearly 300 pages of public comments and responses to comments that were made on the Draft and Supplemental Draft EIS's for the project. The ROD also addresses CDCA Plan protests and comments on the final EIS.

Formal consultation as required by Section 7 of the Endangered Species Act was initiated with the US Fish and Wildlife Service (FWS). The FWS issued its first BO on October 1, 2010. Formal consultation was reinitiated on April 25, 2011 with the FWS issuing a revised BO on June 10, 2011.

Because the authorized project has not changed, the NEPA analysis for the project remains valid. Even though some on-the-ground information has developed during construction of this project, impacts to the desert tortoise and the means to mitigate those impacts that were identified in the NEPA process are the same as those previously identified. As such, additional public involvement is not necessary.

E. Persons/Agencies/BLM Staff Consulted

Name	Title	Resource/Agency Represented
Tom Hurshman	Project Manager	BLM Land Use Resources
Sandra McGinnis	Planning and Environmental Coordinator	BLM NEPA issues
Larry LaPre	Biologist	BLM Biological Resources
Hanum Abouelezz	Natural Resource Specialist	BLM Biological Resources

Conclusion (*If you found that one or more of these criteria is not met, you will not be able to check this box.*)

XX Based on the review documented above, I conclude that this proposal conforms to the applicable land use plan and that the NEPA documentation fully covers the proposed action and constitutes BLM's compliance with the requirements of the NEPA.

Signature of the Responsible Official: Date 06/10/2011

From:	Joseph Douglas
To:	Tracie Wheaton
Subject:	Re: Ivanpah SEGS Air Quality Construction Mitigation PlanRevision 2
Date:	Thursday, June 02, 2011 8:33:28 AM

Hi Tracie,

We are good on this one.

Joe D

>>> Tracie Wheaton <twheaton@brightsourceenergy.com> 6/1/2011 6:25 PM >>>

On March 11, 2011, BrightSource Energy submitted Revision 2 to the AQCMP to the CEC and BLM for review and approval. No comments have been received from the BLM or California Energy Commission. Did you have any comments or revisions on the plan or is it considered approved?

Tracie A. Wheaton

Environmental Compliance Manager

9424 Sierra Summit Avenue

Las Vegas, NV 89134

Phone (702) 768-7188

twheaton@brightsourceenergy.com

From: gmeckfes@blm.gov
To: Tracie Wheaton
Cc: Joseph Douglas; tom_hurshman@blm.gov
Subject: Re: Ivanpah SEGS Air Quality Construction Mitigation Plan Revision 2
Date: Friday, June 17, 2011 10:23:50 AM

Tracie

After conferring with Tom Hurshman this morning, the Bureau defers consideration of the ISEGS Air Quality Construction Mitigation Plan Revision 2 to the California Energy Commission. Please contact me should you have any questions.

George R. Meckfessel
Planning and Environmental Coordinator
Needles Field Office
California Desert Conservation Area
Bureau of Land Management
1303 South U.S. Highway 95
Needles, California 92363
760 326-7008 (office)
760 326-7099 (fax)

"Tracie Wheaton" <twheaton@brightsourceenergy.com> 06/01/2011 06:25 PM

To: "Joseph Douglas" <JDouglas@energy.state.ca.us>, <George_Meckfessel@ca.blm.gov>, <Raymond_Lee@ca.blm.gov>

cc: "Nickolaus Jacobs" <njacobs@brightsourceenergy.com>, "Doug Davis" <ddavis@brightsourceenergy.com>

Subject: Ivanpah SEGS Air Quality Construction Mitigation Plan Revision 2

On March 11, 2011, BrightSource Energy submitted Revision 2 to the AQCMP to the CEC and BLM for review and approval. No comments have been received from the BLM or California Energy Commission. Did you have any comments or revisions on the plan or is it considered approved?

Tracie A. Wheaton
BrightSource_FINAL_RGB
Environmental Compliance Manager
9424 Sierra Summit Avenue
Las Vegas, NV 89134
Phone (702) 768-7188
twheaton@brightsourceenergy.com

From: gmeckfes@blm.gov
To: Joseph Douglas
Cc: Tracie Wheaton; tom_hurshman@blm.gov
Subject: Delineation of Waters of the State for Castle Mountain Mine
Date: Friday, June 17, 2011 10:33:23 AM

Joe

The Bureau defers consideration of BrightSource Energy's June 8, 2011 request to review and approve a Delineation of Waters of the State for Castle Mountain Mine associated with Condition of Certification BIO-20 to the California Energy Commission. Please contact me should you have any questions.

George R. Meckfessel
Planning and Environmental Coordinator
Needles Field Office
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Bureau of Land Management
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Needles, California 92363
760 326-7008 (office)
760 326-7099 (fax)

Larry LaPre/CASO/CA/BLM/DOI
06/07/2011 11:26 AM

To Brian Croft/VFWO/R1/FWS/DOI@FWS, Ray Bransfield/VFWO/R1/FWS/DOI@FWS, Carl Benz/VFWO/R1/FWS/DOI
cc dfgpalm@roadrunner.com, Hanem Abouelezz/CASO/CA/BLM/DOI,
bcc
Subject Request for authorized biologists #9

Dear Mr. Croft:

The Bureau of Land Management (BLM) requests your review of two biologists who would be authorized to handle desert tortoises pursuant to the biological opinion for the Ivanpah solar project [8-8-10-F-24]. A revised biological opinion may be issued shortly, and additional workforce is needed for clearance surveys on portions of Units 2 and 3. These biologists are part of the team assembled by Mercy Vaughn and Peter Woodman, the Designated Biologists (using the California Energy Commission term). These biologists have been approved to perform survey and monitor duties, including clearance surveys, by the BLM.

These biologists are Peter Havlik and Joey Verge. Their qualifications statements are attached.

Havlik, Peter FWS10v3.doc

Havlik, Peter FWS10v2.doc

Verge,Joey FWS11v3.docx

Verge,Joey FWS11v2.docx

Dr. Larry LaPre
District Wildlife Biologist
California Desert District
Bureau of Land Management
22835 Calle San Juan de los Lagos
Moreno Valley, CA 92553
Phone: (951) 697-5218
Fax: (951) 697-5299
E-mail: llapre@blm.gov

From:	llapre@blm.gov
To:	Carol Watson; Joseph Douglas
Cc:	Tracie Wheaton; thurshma@blm.gov; dfgpalm@roadrunner.com; habouelezz@blm.gov
Subject:	Additional biological monitors at Ivanpah
Date:	Tuesday, June 07, 2011 10:25:54 AM

Dear Ms. Watson and Mr. Douglas:

Peter Woodman of Kiva Biological and Mercy Vaughn of Sundance Biology, on behalf of BrightSource Energy, have submitted the names of additional biologists to the Bureau of Land Management (BLM) for approval to work at the Ivanpah solar project. These biologists would enforce the provisions of the biological opinion [8-8-10-F-24] relating to protection of the desert tortoise. These authorizations are requested in anticipation of clearance surveys on portions of Units 2 and 3 which will begin upon receipt of a revised biological opinion from the Fish and Wildlife Service. The surveys may begin as soon as June 10.

Based on education and experience , the BLM approves Don Boyer to perform survey and monitor duties at the Ivanpah solar site. Mr. Boyer has extensive experience in all fields of herpetology, serving as curator of herpetology at the San Diego Zoo, and his professional career experience outweighs the usual training and field experience criteria. The Designated Biologists have requested that Mr. Boyer receive authorization so that he can assist with the husbandry of the penned tortoises.

The BLM approves Tracy Taylor, Molly Thompson and Anthony Dee to perform clearance surveys. These biologists were authorized to perform survey and monitor duties on March 8, 2011 after completion of the five day training conducted by Kiva and Sundance. They have worked at the ISEGS site almost continuously since that time. I have observed their work in the field on several occasions, and have confidence in their abilities to diligently search for desert tortoises.

The BLM approves Christine Stirling to perform clearance surveys. Ms. Stirling was authorized to perform survey and monitor duties under supervision on October 1, 2010. She has worked at the ISEGS site almost continuously since that time. I have observed her work in the field on several occasions, and have confidence in her abilities to diligently search for desert tortoises.

The BLM approves Joey Verge to conduct clearance surveys. Mr. Verge was authorized to perform survey and monitor duties on March 23, 2011. Mr. Verge has performed presence-absence surveys throughout the Mojave and Colorado deserts, primarily for proposed solar developments. He also has experience attaching and removing transmitters at Fort Irwin. The BLM will submit the qualifications of Mr. Verge to the Fish and Wildlife Service for review and potential approval as an authorized biologist.

The BLM approves Peter Havlik to conduct all types of survey and monitor duties, including clearance surveys. Mr. Havlik has not worked previously at the Ivanpah site. His experience with attaching and removing transmitters on desert tortoises for line distance transect work in Nevada and at Fort Irwin makes him very qualified to work at the Ivanpah site. The BLM will submit the qualifications of Mr. Havlik to the Fish and Wildlife Service for review and potential approval as an authorized biologist.

Dr. Larry LaPre
District Wildlife Biologist
California Desert District
Bureau of Land Management
22835 Calle San Juan de los Lagos
Moreno Valley, CA 92553
Phone: (951) 697-5218
Fax: (951) 697-5299
E-mail: llapre@blm.gov

Ray Bransfield/VFWO/R1/FWS/DOI@FWS
06/13/2011 04:26 PM

To Larry LaPre/CASO/CA/BLM/DOI@BLM
cc Kim Craig/R8/FWS/DOI@FWS
bcc
Subject Request for authorized biologists #9 - ISEGS

History: This message has been forwarded.

Reference Number:
2011-TA-0369

Dr. Larry LaPre
District Wildlife Biologist
California Desert District
Bureau of Land Management
Moreno Valley, California

Dear Dr. LaPre:

We have reviewed your electronic mail request, dated June 6, 2011, for our approval of Peter Havlik and Joey Verge to conduct activities involving the federally threatened desert tortoise (*Gopherus agassizii*) pursuant to biological opinion, 8-8-10-F-24, concerning the Ivanpah solar project in San Bernardino County, California. You have requested these biologists be authorized to handle desert tortoises. Based on the information that you have provided, we have determined that Peter Havlik has sufficient training and experience to perform the duties requested; however, we have determined that Joey Verge does not have sufficient training and experience to perform the duties requested. We therefore approve Peter Havlik as an authorized biologist. We do not approve Joey Verge as an authorized biologist.

If you have any questions regarding this matter, please contact Danielle Dillard of the Ventura Fish and Wildlife Office at (805) 644-1766, extension 315.

Sincerely,

Raymond Bransfield
Senior Biologist

From: gmeckfes@blm.gov
To: Tracie Wheaton
Subject: June 1, 2011 Request Re. Bio-21
Date: Friday, June 17, 2011 10:38:48 AM

Tracie

As no changes have been made to BLM special-status plant species since the issuance of the ISEGS project Record of Decision, please refer to the EIS for a list of the subject species. Please contact me should you have any questions.

George R. Meckfessel
Planning and Environmental Coordinator
Needles Field Office
California Desert Conservation Area
Bureau of Land Management
1303 South U.S. Highway 95
Needles, California 92363
760 326-7008 (office)
760 326-7099 (fax)

Exhibit 14

MECH-1 & MECH-2 CBO Approvals
Condition of Certification
MECH-1, MECH-2

Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Tuesday, June 14, 2011 7:42 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00596 - CBO Submittal Package – MECH-1-1.09 - Pipe Supports for Hot Reheat (HRH) Portion of Main Steam System (AB) - PC2 -Partially Approved/Conditionally Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "MECH-1-1.09 - Pipe Supports for Hot Reheat (HRH) Portion of Main Steam System (AB) - PC2," has been reviewed, partially approved and conditionally approved, the submittal also contains reference only documents. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

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
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ISO 9001:2000 Certified

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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Tuesday, June 07, 2011 12:45 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00577 - CBO Submittal Package – MECH-1-1.16 - Unit 1 ACC GA's - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "MECH-1-1.16 - Unit 1 ACC GA's - 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.

Thank you.

Christy Pinney
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Sacramento, CA 95834
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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Friday, June 03, 2011 5:28 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00575 - CBO Submittal Package – MECH-1-1.23X1 - Unit 2 PF Isometrics - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "MECH-1-1.23X1 - Unit 2 PF Isometrics - 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.

Thank you.

Christy Pinney
Power & Utilities
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180 Promenade Circle, Suite 150
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Exhibit 15

STRUC-1 CBO Approvals
Condition of Certification
STRUC-1

Rudy, Holly

From: jamie.saldana@us.bureauveritas.com
Sent: Wednesday, June 08, 2011 7:48 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas; Brol, Michael
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; christy.pinney@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00581 - CBO Submittal Package - STRUC-1-2.01X1 - Construction Facilities Common Office Area - PC1- Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "STRUC-1-2.01X1 - Construction Facilities Common Office Area - PC1," has been reviewed and approved, the submittal also contains reference only documents, you will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,

Jamie Saldana, CPT
CBO Project Coordinator/Document Control – Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle #150
Sacramento, CA 95834
P: 916.514.4508
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jamie.saldana@us.bureauveritas.com
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Rudy, Holly

From: jamie.saldana@us.bureauveritas.com
Sent: Wednesday, June 08, 2011 7:53 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas; Brol, Michael
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; christy.pinney@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00582 - CBO Submittal Package - STRUC-1-2.02X1 - Construction Facilities Phase II - PC1- Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "STRUC-1-2.02X1 - Construction Facilities Phase II - PC1," has been reviewed and approved, the submittal also contains reference only documents, you will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,

Jamie Saldana, CPT
CBO Project Coordinator/Document Control – Power & Utilities
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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Friday, June 10, 2011 6:00 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00591 - CBO Submittal Package – STRUC-1-3.01X2 - Unit 1 STG Foundation - PC1 - Conditionally Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "STRUC-1-3.01X2 - Unit 1 STG Foundation - PC," has been reviewed and conditionally approved, the submittal also contains reference only documents. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Thank you.

Christy Pinney
Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle, Suite 150
Sacramento, CA 95834
P: 916.617.2028
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Rudy, Holly

From: jamie.saldana@us.bureauveritas.com
Sent: Tuesday, June 14, 2011 6:18 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas; Brol, Michael
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; christy.pinney@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00595 - CBO Submittal Package - STRUC-1-3.02 - STG Embed Design - PC2 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "STRUC-1-3.02 - STG Embed Design - PC2," has been reviewed and approved, the submittal also contains reference only documents, you will find the documents on BVnet under the respective title, feel free to contact me with any questions or concerns.

Respectfully,

Jamie Saldana, CPT
CBO Project Coordinator/Document Control – Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle #150
Sacramento, CA 95834
P: 916.514.4508
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jamie.saldana@us.bureauveritas.com
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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Friday, June 24, 2011 5:24 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: Ivanpah – STRUC-1-3.03 - Steam Turbine Generator Foundation Units 2 and 3 - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "STRUC-1-3.03 - Steam Turbine Generator Foundation Units 2 and 3 - PC1," has been reviewed and approved, the submittal also contains reference only documents. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

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
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Rudy, Holly

From: crystal.garza@us.bureauveritas.com
Sent: Tuesday, June 07, 2011 12:17 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; christy.pinney@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00576 - CBO Submittal Package - STRUC-1-4.09 - Foundation Dwgs for Elec Switchboards-Common Area/Unit Power Block - PC2 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Hello,

The Ivanpah submittal "STRUC-1-4.09 - Foundation Dwgs for Elec Switchboards-Common Area/Unit Power Block - PC2," has been reviewed and Approved, the submittal also contains reference only documents. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Best Regards,

Crystal Garza
Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle, Suite 150
Sacramento, CA 95834
P: 916.617.2028
F: 916.617.2068
D: 916.5144530
crystal.garza@us.bureauveritas.com
www.us.bureauveritas.com

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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Friday, June 24, 2011 5:22 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: Ivanpah – STRUC-1-4.19 - Power Block Sump - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "STRUC-1-4.19 - Power Block Sump - PC1," has been reviewed and approved, the submittal also contains reference only documents. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Thank you.

Christy Pinney
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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Tuesday, June 21, 2011 6:53 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: Ivanpah – STRUC-1-4.25 - Crane Support Pads - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "STRUC-1-4.25 - Crane Support Pads - 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.

Thank you.

Christy Pinney
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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Thursday, June 23, 2011 6:05 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: Ivanpah – STRUC-1-4.27 - Tank Area Sump - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "STRUC-1-4.27 - Tank Area Sump - PC1," has been reviewed and approved, the submittal also contains reference only documents. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Thank you.

Christy Pinney
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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Tuesday, June 28, 2011 4:40 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: Ivanpah – STRUC-1-4.30 - Electrical Switchboard Common Area - PC1 -Partially Approved/Conditionally Approved/Reference Only

Follow Up Flag: Follow up
Flag Status: Flagged

Hello,

The Ivanpah submittal "STRUC-1-4.30 - Electrical Switchboard Common Area - PC1," has been reviewed, partially approved, conditionally approved, and the submittal also contains reference only documents. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Thank you.

Christy Pinney
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Rudy, Holly

From: jamie.saldana@us.bureauveritas.com
Sent: Friday, June 10, 2011 1:38 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas; Brol, Michael
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; christy.pinney@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00588 - CBO Submittal Package - STRUC-1-5.02 - Solar Tower Foundation Design - PC4 - Conditionally Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "STRUC-1-5.02 - Solar Tower Foundation Design - PC4," has been reviewed and conditionally approved, you will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,

Jamie Saldana, CPT
CBO Project Coordinator/Document Control – Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle #150
Sacramento, CA 95834
P: 916.514.4508
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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Wednesday, June 22, 2011 6:46 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: CHANGE OF STATUS - Ivanpah - STRUC-1-6.01 - Precast Foundation Design for HAB & PBMB - PC3 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Change of Status

Hello,

The Ivanpah submittal "Ivanpah - STRUC-1-6.01 - Precast Foundation Design for HAB & PBMB - PC3," 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.

Thank you.

Christy Pinney
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that the communication is free of virus, interception or interference. The liability of our company is limited by our General Conditions of Services."

Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Wednesday, June 08, 2011 6:19 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00580 - CBO Submittal Package – STRUC-1-6.04 - Structural Submittal for the Pad Bonding Building - PC3 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "STRUC-1-6.04 - Structural Submittal for the Pad Bonding Building - PC3," has been reviewed and approved, the submittal also contains reference only documents. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Thank you.

Christy Pinney
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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Thursday, June 09, 2011 7:24 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00585 - CBO Submittal Package – STRUC-1-6.05 - Heliostat Assembly Building - PC3 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "STRUC-1-6.05 - Heliostat Assembly Building - PC3," has been reviewed and approved, the submittal also contains reference only documents. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Thank you.

Christy Pinney
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Exhibit 16

ELEC-1 CBO Approvals
Condition of Certification
ELEC-1

Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Thursday, June 23, 2011 11:34 AM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: Ivanpah – ELEC-1-1.01X1 - Unit 1 Main Single Line Diagram - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "ELEC-1-1.01X1 - Unit 1 Main Single Line Diagram - 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.

Thank you.

Christy Pinney
Power & Utilities
Bureau Veritas North America, Inc.
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Rudy, Holly

From: nancy.sheperd@us.bureauveritas.com
Sent: Friday, June 17, 2011 7:25 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; christy.pinney@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00604 - CBO Submittal Package - ELEC-1-1.04X1 - Single Line Metering & Relay Diagram Admin Bldg - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "ELEC-1-1.04X1 - Single Line Metering & Relay Diagram 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.

Best Regards,

Nancy Sheperd
CBO Project Coordinator/Document Control– Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle, Suite 150
Sacramento, CA 95834
P: 916.617.2028
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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Thursday, June 23, 2011 7:21 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: Ivanpah – ELEC-1-1.05X1 - Unit 2 & 3 Main single Line Diagram - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "ELEC-1-1.05X1 - Unit 2 & 3 Main single Line Diagram - 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.

Thank you.

Christy Pinney
Power & Utilities
Bureau Veritas North America, Inc.
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Rudy, Holly

From: nancy.sheperd@us.bureauveritas.com
Sent: Friday, June 17, 2011 7:14 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; christy.pinney@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00602 - CBO Submittal Package - ELEC-1-1.07X1 - Single Line Metering and Relay Diagrams for 4.16kV Switchgear - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "ELEC-1-1.07X1 - Single Line Metering and Relay Diagrams for 4.16kV Switchgear - 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.

Best Regards,

Nancy Sheperd
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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Tuesday, June 28, 2011 6:00 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: Ivanpah – ELEC-1-1.09 - Single Line Metering & Relay Diagram Motor Control Centers - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Flagged

Hello,

The Ivanpah submittal "ELEC-1-1.09 - Single Line Metering & Relay Diagram Motor Control Centers - 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.

Thank you.

Christy Pinney
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Rudy, Holly

From: nancy.sheperd@us.bureauveritas.com
Sent: Wednesday, June 29, 2011 7:38 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; christy.pinney@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: Ivanpah - ELEC-1-3.09X1 - Area Grounding Plans for Plant Services Building Area - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Flagged

Hello,

The Ivanpah submittal ELEC-1-3.09X1 - Area Grounding Plans for Plant Services Building Area - 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.

Best Regards,

Nancy Sheperd
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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Tuesday, June 28, 2011 12:07 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: Ivanpah – ELEC-1-3.15 - Unit 1 Grounding Plan ACC & Water Treatment Area Plan 2879-0 - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Flagged

Hello,

The Ivanpah submittal "ELEC-1-3.15 - Unit 1 Grounding Plan ACC & Water Treatment Area Plan 2879-0 - 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.

Thank you.

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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Thursday, June 09, 2011 7:03 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00583 - CBO Submittal Package – ELEC-1-4.04 - Roadway Lighting Key Plans for Unit 1 Power Block and Admin Building Areas - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "ELEC-1-4.04 - Roadway Lighting Key Plans for Unit 1 Power Block and Admin Building Areas - 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.

Thank you.

Christy Pinney
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Rudy, Holly

From: nancy.sheperd@us.bureauveritas.com
Sent: Friday, June 17, 2011 7:36 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; christy.pinney@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00605 - CBO Submittal Package - ELEC-1-8.02X1 - Unit 1 SRSG Tower Area Raceway Plans & Sections - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "ELEC-1-8.02X1 - Unit 1 SRSG Tower Area Raceway Plans & Sections - 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.

Best Regards,

Nancy Sheperd
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Rudy, Holly

From: nancy.sheperd@us.bureauveritas.com
Sent: Friday, June 17, 2011 7:44 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; christy.pinney@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00606 - CBO Submittal Package - ELEC-1-8.04X1 - Unit 1 Raceway Plan & Sections for Heater Bay - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "ELEC-1-8.04X1 - Unit 1 Raceway Plan & Sections for Heater Bay - 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.

Best Regards,

Nancy Sheperd
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Rudy, Holly

From: nancy.sheperd@us.bureauveritas.com
Sent: Friday, June 17, 2011 7:50 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; christy.pinney@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00607 - CBO Submittal Package - ELEC-1-8.05 - Unit 1 Raceway Plan & Sections Turbine Lube Oil Area El 2879-0 - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "ELEC-1-8.05 - Unit 1 Raceway Plan & Sections Turbine Lube Oil Area El 2879-0 - 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.

Best Regards,

Nancy Sheperd
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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Tuesday, June 28, 2011 5:59 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: Ivanpah – ELEC-1-8.06 - Raceway Layout Plant Services Building - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Flagged

Hello,

The Ivanpah submittal "ELEC-1-8.06 - Raceway Layout 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.

Thank you.

Christy Pinney
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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Tuesday, June 28, 2011 2:43 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: Ivanpah – ELEC-1-8.08 - Raceway Plan & Sections Heliostat Assembly Bldg & Constr Area - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Flagged

Hello,

The Ivanpah submittal "ELEC-1-8.08 - Raceway Plan & Sections Heliostat Assembly Bldg & Constr Area - 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.

Thank you.

Christy Pinney
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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Tuesday, June 28, 2011 2:44 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: Ivanpah – ELEC-1-8.09 - Electrical Equipment Layout Plant Services Building - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Flagged

Hello,

The Ivanpah submittal "ELEC-1-8.09 - Electrical Equipment Layout 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.

Thank you.

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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Tuesday, June 28, 2011 6:17 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: Ivanpah – ELEC-1-8.10 - Unit 2 Raceway Plan & Sections Turbine Lube Oil Area - EL 3029-0 - PC1

Follow Up Flag: Follow up
Flag Status: Flagged

Hello,

The Ivanpah submittal "ELEC-1-8.10 - Unit 2 Raceway Plan & Sections Turbine Lube Oil Area - EL 3029-0 - 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.

Thank you.

Christy Pinney
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Rudy, Holly

From: nancy.sheperd@us.bureauveritas.com
Sent: Friday, June 17, 2011 7:15 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; christy.pinney@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00603 - CBO Submittal Package - ELEC-1-10.08X1 - Electrical Manholes - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "ELEC-1-10.08X1 - Electrical Manholes - 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.

Best Regards,

Nancy Sheperd
CBO Project Coordinator/Document Control– Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle, Suite 150
Sacramento, CA 95834
P: 916.617.2028
F: 916.617.2068
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nancy.sheperd@us.bureauveritas.com
jamie.saldana@us.bureauveritas.com
www.us.bureauveritas.com/energyusa
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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Monday, June 20, 2011 4:13 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00608 - CBO Submittal Package – ELEC-1-10.13X1 - Underground Raceway Plan Air Cooled Condenser Area - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "ELEC-1-10.13X1 - Underground Raceway Plan Air Cooled Condenser Area - 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.

Thank you.

Christy Pinney
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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Monday, June 20, 2011 4:17 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00609 - CBO Submittal Package – ELEC-1-10.15X1 - Unit 1 Power Block Electrical Manholes - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Flagged

Hello,

The Ivanpah submittal "ELEC-1-10.15X1 - Unit 1 Power Block Electrical Manholes - 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.

Thank you.

Christy Pinney
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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Monday, June 20, 2011 4:18 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00610 - CBO Submittal Package – ELEC-1-10.18X1 - Electrical Manholes Powerblock Area - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "ELEC-1-10.18X1 - Electrical Manholes Powerblock Area - 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.

Thank you.

Christy Pinney
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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Monday, June 20, 2011 4:19 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00611 - CBO Submittal Package – ELEC-1-10.19X1 - Undrgrnd & Embedded Raceway & Plant Services Bldg - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "ELEC-1-10.19X1 - Undrgrnd & Embedded Raceway & Plant Services 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.

Thank you.

Christy Pinney
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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Monday, June 20, 2011 4:20 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00612 - CBO Submittal Package – ELEC-1-10.22X1 - Power Block Manhole Layout - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "ELEC-1-10.22X1 - Power Block Manhole Layout - 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.

Thank you.

Christy Pinney
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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Tuesday, June 21, 2011 11:33 AM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: Ivanpah – ELEC-1-10.34 - Unit 2 Fiber Optic Cable Routing Plan and Sections - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Flagged

Hello,

The Ivanpah submittal "ELEC-1-10.34 - Unit 2 Fiber Optic Cable Routing Plan and Sections - 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.

Thank you.

Christy Pinney
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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Tuesday, June 28, 2011 2:46 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: Ivanpah – ELEC-1-10.35 - U/G Raceway Plan Air Cooled Condenser Area Unit 2 Plan at EL 3029-0 - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Flagged

Hello,

The Ivanpah submittal "ELEC-1-10.35 - U/G Raceway Plan Air Cooled Condenser Area Unit 2 Plan at EL 3029-0 - 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.

Thank you.

Christy Pinney
Power & Utilities
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Sacramento, CA 95834
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Rudy, Holly

From: nancy.sheperd@us.bureauveritas.com
Sent: Wednesday, June 29, 2011 2:22 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; christy.pinney@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: Ivanpah - ELEC-1-10.37 - Unit 3 Power Block Manhole Layout - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Flagged

Hello,

The Ivanpah submittal ELEC-1-10.37 - Unit 3 Power Block Manhole Layout - 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.

Best Regards,

Nancy Sheperd
CBO Project Coordinator/Document Control– Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle, Suite 150
Sacramento, CA 95834
P: 916.617.2028
F: 916.617.2068
D: 916.514.4528
nancy.sheperd@us.bureauveritas.com
jamie.saldana@us.bureauveritas.com
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Rudy, Holly

From: jamie.saldana@us.bureauveritas.com
Sent: Wednesday, June 29, 2011 10:48 AM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas; Brol, Michael
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; christy.pinney@us.bureauveritas.com
Subject: Ivanpah -ELEC-1-12.11 - App for AMM - Solar Field Cable & Anchorage Installation - PC1-Approved

Follow Up Flag: Follow up
Flag Status: Flagged

Hello,

The Ivanpah submittal "ELEC-1-12.11 - App for AMM - Solar Field Cable & Anchorage Installation - 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,

Jamie Saldana, CPT
CBO Project Coordinator/Document Control – Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle #150
Sacramento, CA 95834
P: 916.514.4508
F: 916.617.2068
jamie.saldana@us.bureauveritas.com
www.us.Bureauveritas.com/energyusa
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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Tuesday, June 28, 2011 12:06 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: Ivanpah – ELEC-1-14.01 - Electrical System for the PBB and HAB - PC2 - Approved

Follow Up Flag: Follow up
Flag Status: Flagged

Hello,

The Ivanpah submittal "ELEC-1-14.01 - Electrical System for the PBB and HAB - PC2," has been reviewed and approved, the submittal also contains reference only documents. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Thank you.

Christy Pinney
Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle, Suite 150
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Exhibit 17

CIVIL-1 CBO Approvals
Condition of Certification
CIVIL-1

Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Thursday, June 23, 2011 7:27 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: Ivanpah – CIVIL-1-6.01X1 - Finished Grading Plans - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "CIVIL-1-6.01X1 - Finished Grading Plans - 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.

Thank you.

Christy Pinney
Power & Utilities
Bureau Veritas North America, Inc.
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Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Thursday, June 23, 2011 7:26 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: Ivanpah – CIVIL-1-10.02X1 - Storm Drainage - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "CIVIL-1-10.02X1 - Storm Drainage - 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.

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

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Exhibit 18

GEN-5 & GEN-6 CBO Approvals
Condition of Certification
GEN-5, GEN-6

Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Tuesday, June 07, 2011 5:10 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00578 - CBO Submittal Package – GEN-6-1.7 - Special Inspector - Daniel Barkley Jr (Section 1704) - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "GEN-6-1.7 - Special Inspector - Daniel Barkley Jr (Section 1704) - 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.

Thank you.

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Rudy, Holly

From: crystal.garza@us.bureauveritas.com
Sent: Friday, June 24, 2011 5:00 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; christy.pinney@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: Ivanpah -GEN-6-1.8 - Special Inspector - Sunny Ghadban (Section 1704.3) - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal " Ivanpah -GEN-6-1.8 - Special Inspector - Sunny Ghadban (Section 1704.3) - 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.

Best Regards,

Crystal Garza
Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle, Suite 150
Sacramento, CA 95834
P: 916.617.2028
F: 916.617.2068
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Rudy, Holly

From: jamie.saldana@us.bureauveritas.com
Sent: Friday, June 10, 2011 3:40 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas; Brol, Michael
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; christy.pinney@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00589 - CBO Submittal Package - CHANGE OF STATUS - GEN-6-2.6 - Testing Agency Personnel - Section 1703.1.3 Hamlin, White - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

CHANGE OF STATUS

Hello,

The Ivanpah submittal "GEN-6-2.6 - Testing Agency Personnel - Section 1703.1.3 Hamlin, White - 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,

Jamie Saldana, CPT
CBO Project Coordinator/Document Control – Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle #150
Sacramento, CA 95834
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Exhibit 19
TSE-5 CBO Approvals
Condition of Certification
TSE-5

Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Thursday, June 16, 2011 12:53 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00601 - CBO Submittal Package – TSE-5-4.01 - Subcntr Eng Docs-115kV & 33kV Overhead Transmission Lines for Unit 2 & 3 - PC2 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "TSE-5-4.01 - Subcntr Eng Docs-115kV & 33kV Overhead Transmission Lines for Unit 2 & 3 - PC2," has been reviewed and approved, the submittal also contains reference only documents. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Thank you.

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Exhibit 20

FAB-1 CBO Approvals
Condition of Certification
FAB-1

Rudy, Holly

From: christy.pinney@us.bureauveritas.com
Sent: Wednesday, June 15, 2011 3:43 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: keith.long@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; woon.lee@us.bureauveritas.com; crystal.garza@us.bureauveritas.com; jamie.saldana@us.bureauveritas.com
Subject: 25542-000-L0E-GGG-00600 - CBO Submittal Package – FAB-1-4.0 - Application for Approved Fabricator Status - Prospect Steel - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Categories: Blue Category

Hello,

The Ivanpah submittal "FAB-1-4.0 - Application for Approved Fabricator Status - Prospect Steel - 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.

Thank you.

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Exhibit 21

Monthly Construction Safety Summary
Condition of Certification
Worker Safety - 3

Condition of Certification Worker Safety- 3
June 2011 Construction Safety Summary

	Bechtel			Subcontractor			Total		
	First-Aid	Recordable	Lost Time	First-Aid	Recordable	Lost Time	First-Aid	Recordable	Lost Time
Current Month	8	1	0	0	0	0	8	1	0
Inception To Date	36	1	1	2	1	0	38	2	1

Summary of OSHA Recordable and/or Lost Time Incidents:

Within the reporting period there was one (1) recordable injury reported.

- 22 June 2011 – Recordable – Hip Sprain - A Bechtel Journeyman Millwright, DOH 9 May 2011 was working at the HAB spotting a rough terrain telescopic forklift to set the rail guided vehicle on to the HAB loading dock. Subcontractor employees of Elemental Energy had just been at this location to install a light pole adjacent to the HAB loading dock. The Elemental Energy employees vacated the area after the hole had been drilled for the light pole and left the hole (approximately 24" diameter x 6' deep) unprotected. While guiding the forklift operator to set the load on the loading dock the Bechtel Millwright stepped in to the hole with his left leg. The employee's right leg remained out of the hole. The employee sustained an abrasion to his left arm and a sprain to his right hip. The employee was seen at the offsite medical clinic and returned to work with restrictions and treatment which caused the incident to become recordable.

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 June for a total of 161 personnel.
- Fall protection, scaffold user, confined space, and aerial lift training was conducted for newly hired Bechtel Craft and subcontractor personnel as required.
- Hexavalent Chromium Awareness training was conducted for appropriate personnel.
- Vendor for dropped item prevention tools visited the jobsite for planning for elevated work at unit 1 steel erection. Appropriate tools were identified and procured.
- Tower crane rescue plan/JHA (Job Hazards Analysis) was prepared.
- Stressed hand injury prevention due to hand injuries being the most frequently occurring first-aid cases.
- Performed Supervisor Safety Training
- Conducted Lockout/Tagout Training
- Conducted Electrical Safety Training – working on or near energized components
- Conducted First Responder Team training on transporting and moving patients
- Conducted bi-weekly Zero Accident Team meetings and walkdowns

Work In Progress

- More formally implementing Courageous Leadership.

- Reinforcing Supervisory Safety Roles and Responsibilities
- Reinforcing practices for effective STARRT meetings.
- Preparing for industrial hygiene sampling for Hexavalent Chromium Activities.

Work to be Started Next Period

- Conduct additional First-Aid/CPR/AED Training
- Conduct monthly First-Responder skills training.
- Conduct Safety Leadership workshops (scheduled week of 11 July)
- BESH environmental assessment (scheduled week of 11 July)

ENVIRONMENTAL INCIDENT REPORT

Date/Time: June 06, 2011/0845	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On June 02, 2011 around 1400 Lorie Palkow was notified that a rock truck had a hydraulic leak. The initial leak occurred in Common West, and the truck drove into Ivanpah II before the leak was discovered. The leak was small and periodic, and it appeared that the leak was only occurring when the wheel was turned. Therefore, the hydraulic oil did not impact the ground the entire distance between the two locations. The impacted soil was removed and placed into 55 gallon drums for disposal. Absorbents were placed under the equipment to prevent continued impact while the truck was awaiting repairs.

Location Of Incident: Common West and Ivanpah II	**Date/Time of Release**: June 02, 2011/1345
Personnel/ Subcontractor Involved: Ceasar Carrasco/Bechtel	**Date/Time Release Stopped:** June 02, 2011/1400
Containment: Approximately 70 gallons of soil was removed and placed in 55 gallon drums for proper disposal	**Product ID or CAS Number:** Hydraulic Oil Product Number 273279 **Total Amount Released (units):** Less than 5 gallons
Date/Time Construction Environmental Lead Notified: June 02, 2011/1400 **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: The impacted soil was shoveled into 55 gallon drums for disposal.

Measures to Prevent Recurrence: The best prevention for this is routine maintenance and periodic vehicles checks.

Hydraulic Leak in Common West

Hydraulic Leak in Common West

Hydraulic Leak in Common West

Hydraulic Leak in Common West

Clean Up in Common West

Clean Up in Common West

Clean Up in Common West

Area After Clean Up in Common West

Area After Clean Up in Common West

Area After Clean Up in Common West

Area After Clean Up in Common West

Hydraulic Leak in Ivanpah II

Hydraulic Leak in Ivanpah II

Hydraulic Leak in Ivanpah II

Clean Up in Ivanpah II

Clean Up in Ivanpah II

Clean Up in Ivanpah II

Clean Up in Ivanpah II

Area After Clean Up in Ivanpah II

Area After Clean Up in Ivanpah II

Area After Clean Up in Ivanpah II

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. 3127

2. Page 1 of 1

3. Generator's Name and Mailing Address
Bechtel Power Corp.
P.O. Box 19247
Jean, NV 89019

4. Generator's Phone (415) 768-8705

5. Transporter 1 Company Name: Starlite Reclamation

6. US EPA ID Number: CAR000148796

A. State Transporter's ID

B. Transporter 1 Phone 909-434-0430

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
AA Sycol, LLC
1925 S. Factor Ave.
Yuma, AZ 85365

10. US EPA ID Number: AZR000501519

E. State Facility's ID

F. Facility's Phone 928-783-3678

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. non-hazardous waste, solids	1	DM	200	P
b. non-hazardous waste, solids	6	DM	3000	P
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a) soil & anti-freeze a) S18431-SL1
B) soil, oil B) S18430-SL1

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Ivanpah Solar Electric Generating Facility
100302 Yates Well Rd.
Nipton, CA 92364
Attn: Lorie Palkow

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 Palkow	Lorie Palkow	6	23	11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
MANUEL CAMPOS	Manuel Campos	6	23	11

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

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ENVIRONMENTAL INCIDENT REPORT

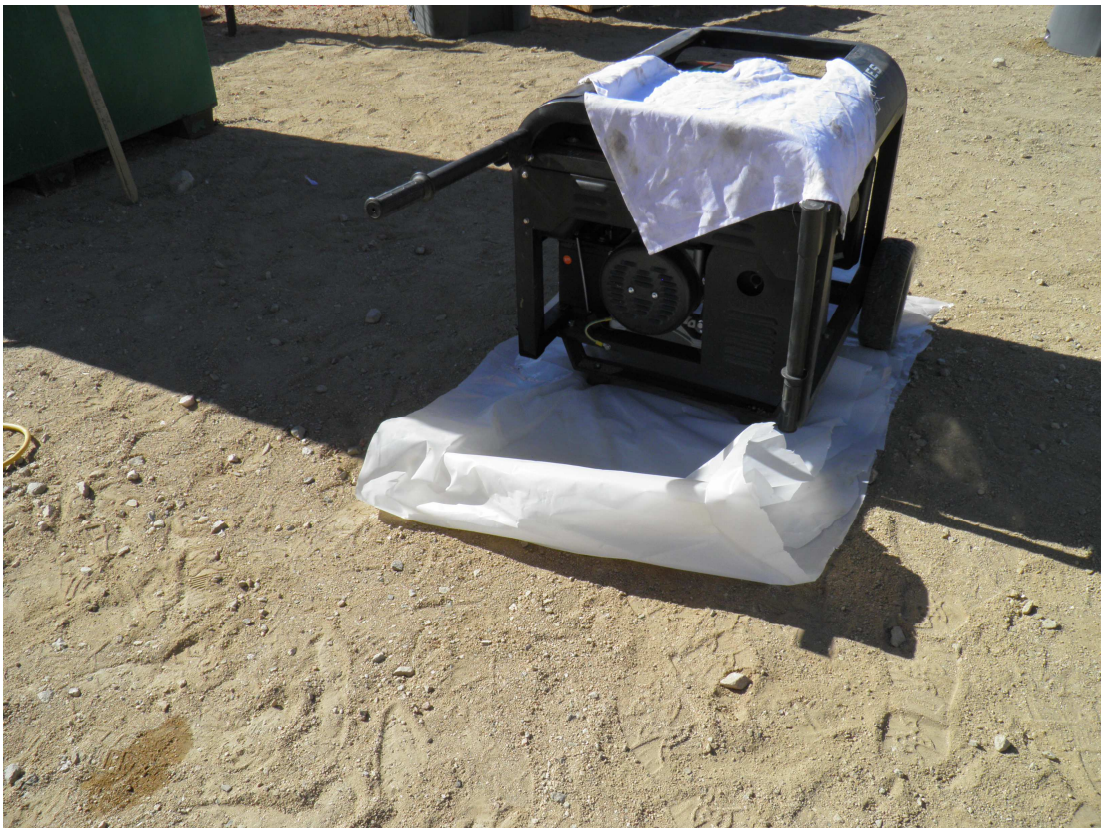
Date/Time: June 07, 2011/1000	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On June 07, 2011 at around 0830 Lorie Palkow was notified by Matt Carney of Bechtel that a small generator in Ivanpah II had a leak. The gasoline was slowly leaking from the generator, most likely due to the generator being over filled. As soon as the leak was noticed, the generator was placed on a plastic tarp. The generator was then placed into a plastic containment unit. The impacted soil was removed and placed in a 55 gallon drum for proper disposal.

Location Of Incident: Ivanpah II	**Date/Time of Release**: June 07, 2011/0830
Personnel/ Subcontractor Involved: Jose Partida/Bechtel	**Date/Time Release Stopped:** Instantly
Containment: Approximately 2 gallons of soil impacted with gasoline was placed in a 55 gallon drum for proper disposal	**Product ID or CAS Number:** Unleaded Gasoline Product number CPS201000 **Total Amount Released (units):** Less than 8 oz
Date/Time Construction Environmental Lead Notified: June 07, 2011/0830 **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: The impacted soil was shoveled up and placed into a 55 gallon drum for disposal.

Measures to Prevent Recurrence: Small generators should be placed over plastic tarps, in secondary containment, or set up off the ground when being used.

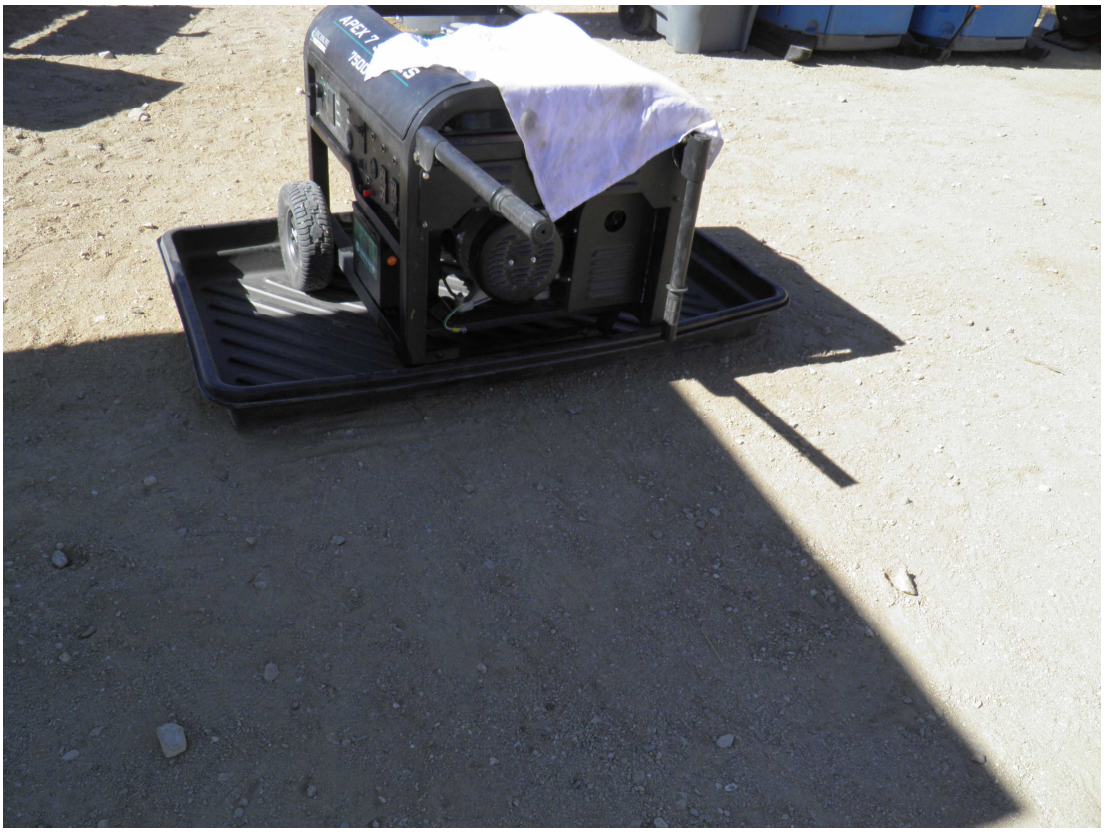


Generator on Plastic

Gasoline Leak

Spill Clean Up

Area After Clean Up



Generator in Plastic Containment

Stephanie Newsome

Subject: FW: GASOLINE M.S.D.S. SHEET

Material Safety Data Sheet

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

CHEVRON and TEXACO REGULAR UNLEADED GASOLINES

Product Number(s): CPS201000 [See Section 16 for Additional Product Numbers]
Synonyms: Calco Regular Unleaded Gasoline, Chevron Regular Unleaded Gasoline, Texaco Unleaded Gasoline
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
ChevronTexaco Emergency Information Center: Located in the USA. International collect calls accepted. (800) 231-0623 or (510) 231-0623
Product Information
Technical Information: (510) 242-5357

SPECIAL NOTES: This MSDS applies to: all motor gasoline.

SECTION 2 COMPOSITION/ INFORMATION ON INGREDIENTS

COMPONENTS	CAS NUMBER	AMOUNT
Gasoline	86290-81-5	100 %volume
Benzene	71-43-2	0.1 - 4.9 %volume
Toluene (methylbenzene)	108-88-3	1 - 17 %volume
Ethyl benzene	100-41-4	0.1 - 3 %volume
Xylene (contains o-, m-, & p- xylene isomers in varying amounts)	1330-20-7	1 - 15 %volume
Butane	106-97-8	1 - 12 %volume
Heptane	142-82-5	1 - 4 %volume
Hexane	110-54-3	1 - 5 %volume
Cyclohexane	110-82-7	1 - 3 %volume

Methylcyclohexane	108-87-2	1 - 2 %volume
Pentane, 2,2,4-trimethyl- (Isooctane)	540-84-1	1 - 13 %volume
Naphthalene	91-20-3	0.1 - 2 %volume
Ethanol	64-17-5	0 - 10 %volume
Methyl tert-butyl ether (MTBE)	1634-04-4	0 - 15 %volume
Tertiary amyl methyl ether (TAME)	994-05-8	0 - 17 %volume
Ethyl tert-butyl ether (ETBE)	637-92-3	0 - 18 %volume

Motor gasoline is considered a mixture by EPA under the Toxic Substances Control Act (TSCA). The refinery streams used to blend motor gasoline are all on the TSCA Chemical Substances Inventory. The appropriate CAS number for refinery blended motor gasoline is 86290-81-5. The product specifications of motor gasoline sold in your area will depend on applicable Federal and State regulations.

SECTION 3 HAZARDS IDENTIFICATION

****

EMERGENCY OVERVIEW

- EXTREMELY FLAMMABLE LIQUID AND VAPOR. VAPOR MAY CAUSE FLASH FIRE
- HARMFUL OR FATAL IF SWALLOWED - MAY CAUSE LUNG DAMAGE IF SWALLOWED
- VAPOR HARMFUL
- CAUSES EYE AND SKIN IRRITATION
- LONG-TERM EXPOSURE TO VAPOR HAS CAUSED CANCER IN LABORATORY ANIMALS
- KEEP OUT OF REACH OF CHILDREN
- TOXIC TO AQUATIC ORGANISMS

****

IMMEDIATE HEALTH EFFECTS

Eye: Contact with the eyes causes irritation. Symptoms may include pain, tearing, reddening, swelling and impaired vision.

Skin: Contact with the skin causes irritation. Skin contact may cause drying or defatting of the skin. Contact with the skin is not expected to cause an allergic skin response. Symptoms may include pain, itching, discoloration, swelling, and blistering. 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.

Inhalation: The vapor or fumes from this material may cause respiratory irritation. Symptoms of respiratory irritation may include coughing and difficulty breathing. Breathing this material at concentrations above the recommended exposure limits may cause central nervous system effects. Central nervous system effects may include headache, dizziness, nausea, vomiting, weakness, loss of coordination, blurred vision, drowsiness, confusion, or disorientation. At extreme exposures, central nervous system effects may include respiratory depression, tremors or convulsions, loss of consciousness, coma or death.

DELAYED OR OTHER HEALTH EFFECTS:

Reproduction and Birth Defects: This material is not expected to cause birth defects or other harm to the developing fetus based on animal data.

Cancer: Prolonged or repeated exposure to this material may cause cancer. Gasoline has been classified as a Group 2B carcinogen (possibly carcinogenic to humans) by the International Agency for Research on Cancer (IARC).

Whole gasoline exhaust has been classified as a Group 2B carcinogen (possibly carcinogenic to humans) by the International Agency for Research on Cancer (IARC).

Contains benzene, which has been classified as a carcinogen by the National Toxicology Program (NTP) and a Group 1 carcinogen (carcinogenic to humans) by the International Agency for Research on Cancer (IARC).
Contains ethylbenzene which has been classified as a Group 2B carcinogen (possibly carcinogenic to humans) by the

International Agency for Research on Cancer (IARC).
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: Flush eyes with water immediately while holding the eyelids open. Remove contact lenses, if worn, after initial flushing, and continue flushing for at least 15 minutes. Get medical attention if irritation persists.
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. If swallowed, get 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.

FIRE CLASSIFICATION:
OSHA Classification (29 CFR 1910.1200): Flammable liquid.

NFPA RATINGS: Health: 1 Flammability: 3 Reactivity: 0

FLAMMABLE PROPERTIES:
Flashpoint: (Tagliabue Closed Cup ASTM D56) < -45 °C (< -49 °F)
Autoignition: > 280 °C (> 536 °F)
Flammability (Explosive) Limits (% by volume in air): Lower: 1.4 Upper: 7.6 (Typical)

EXTINGUISHING MEDIA: Dry Chemical, CO2, AFFF Foam or alcohol resistant foam if >15% volume polar solvents (oxygenates).

PROTECTION OF FIRE FIGHTERS:
Fire Fighting Instructions: Use water spray to cool fire-exposed containers and to protect personnel. 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 and/or the U.S. Coast Guard's National Response Center at (800) 424-8802

as appropriate or required. This material is covered by EPA's Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) Petroleum Exclusion. Therefore, releases to the environment may not be reportable under CERCLA.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: READ AND OBSERVE ALL PRECAUTIONS ON PRODUCT LABEL. This product presents an extreme fire hazard. Liquid very quickly evaporates, even at low temperatures, and forms vapor (fumes) which can catch fire and burn with explosive violence. Invisible vapor spreads easily and can be set on fire by many sources such as pilot lights, welding equipment, and electrical motors and switches. Do not store in open or unlabeled containers. Use only as a motor fuel. Do not use for cleaning, pressure appliance fuel, or any other such use. Never siphon gasoline by mouth. Do not get in eyes, on skin, or on clothing. Do not taste or swallow. Do not breathe vapor or fumes. 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'. Improper filling of portable gasoline containers creates danger of fire. Only dispense gasoline into approved and properly labeled gasoline containers. Always place portable containers on the ground. Be sure pump nozzle is in contact with the container while filling. Do not use a nozzle's lock-open device. Do not fill portable containers that are inside a vehicle or truck/trailer bed.
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: 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: Chlorinated Polyethylene (or Chlorosulfonated Polyethylene), Nitrile Rubber, Polyurethane, Viton.
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	Agency	TWA	STEL	Ceiling	Notation
Benzene	ACGIH	.5 ppm (weight)	2.5 ppm (weight)	--	Skin A1
Benzene	OSHA SRS	1 ppm (weight)	5 ppm (weight)	--	--
Benzene	OSHA Z-2	10 ppm (weight)	--	25 ppm (weight)	--
Butane	ACGIH	800 ppm (weight)	--	--	--
Cyclohexane	ACGIH	100 ppm (weight)	--	--	--
Cyclohexane	OSHA Z-1	1050 mg/m3	--	--	--
Ethanol	ACGIH	1000 ppm (weight)	--	--	A4
Ethanol	OSHA Z-1	1900 mg/m3	--	--	--
Ethyl benzene	ACGIH	100 ppm (weight)	125 ppm (weight)	--	A3
Ethyl benzene	OSHA Z-1	435 mg/m3	--	--	--
Ethyl tert-butyl ether (ETBE)	ACGIH	5 ppm (weight)	--	--	--
Heptane	ACGIH	400 ppm (weight)	500 ppm (weight)	--	--
Heptane	OSHA Z-1	2000 mg/m3	--	--	--
Hexane	ACGIH	50 ppm (weight)	--	--	Skin
Hexane	OSHA Z-1	1800 mg/m3	--	--	--
Methyl tert-butyl ether (MTBE)	ACGIH	50 ppm (weight)	--	--	A3
Methyl tert-butyl ether (MTBE)	CVX	--	50 ppm	--	--
Methylcyclohexane	ACGIH	400 ppm (weight)	--	--	--
Methylcyclohexane	OSHA Z-1	2000 mg/m3	--	--	--
Naphthalene	ACGIH	10 ppm	15 ppm	--	A4 Skin
Naphthalene	OSHA Z-1	50 mg/m3	--	--	--
Pentane, 2,2,4-trimethyl- (Isooctane)	ACGIH	300 ppm (weight)	--	--	--
Pentane, 2,2,4-trimethyl- (Isooctane)	OSHA Z-1	2350 mg/m3	--	--	--
Tertiary amyl methyl ether (TAME)	ACGIH	20 ppm (weight)	--	--	--
Tertiary amyl methyl ether (TAME)	CVX	--	50 ppm	--	--
Toluene (methylbenzene)	ACGIH	50 ppm (weight)	--	--	Skin A4
Toluene (methylbenzene)	OSHA Z-2	200 ppm (weight)	--	300 ppm (weight)	--
Xylene (contains o-, m-, & p- xylene isomers in varying amounts)	ACGIH	100 ppm (weight)	150 ppm (weight)	--	A4
Xylene (contains o-, m-, & p- xylene isomers in varying amounts)	OSHA Z-1	435 mg/m3	--	--	--

Refer to the OSHA Benzene Standard (29 CFR 1910.1028) and Table Z-2 for detailed training, exposure monitoring, respiratory protection and medical surveillance requirements before using this product.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Colorless to yellow
Physical State: Liquid
Odor: Petroleum odor
pH: Not Applicable
Vapor Pressure: 5 psi - 15 psi (Typical) @ 37.8 °C (100 °F)
Vapor Density (Air = 1): 3 - 4 (Typical)
Boiling Point: 37.8 °C (100°F) - 204.4°C (400°F) (Typical)
Solubility: Insoluble in water; miscible with most organic solvents.
Freezing Point: Not Applicable
Melting Point: Not Applicable
Specific Gravity: 0.7 g/ml - 0.8 g/ml @ 15.6 °C (60.1°F) (Typical)
Viscosity: <1 SUS @ 37.8 °C (100°F)

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 Draize eye irritation mean score in rabbits for a 24-hour exposure was: 0/110.
Skin Irritation: For a 4-hour exposure, the Primary Irritation Index (PII) in rabbits is: 4.8/8.0.
Skin Sensitization: This material did not cause skin sensitization reactions in a Buehler guinea pig test.
Acute Dermal Toxicity: LD50: >3.75g/kg (rabbit).
Acute Oral Toxicity: LD50: >5 ml/kg (rat)
Acute Inhalation Toxicity: 4 hour(s) LD50: >20000mg/m3 vapor (rat).
Subchronic Effects: Exposure of rats for 13 weeks (6 hr/day for 5 days/week) to the light ends of gasoline (up to 20,000 mg/m3) resulted in minimal responses of toxicity. There were no indications of neurotoxicity based morphological, functional and biochemical indices. There was also no evidence of immunotoxicity in the rats. However, when rats were exposed to gasoline vapor containing ethanol up to 20,000 mg/m3 there was evidence of both humoral immune suppression and mild astrogliosis. **Reproduction and Birth Defects:** Exposure of rats to the light ends of gasoline at up to 20,000 mg/m3 had generally no impact upon reproductive abilities and did not cause birth defects.
Genetic Toxicity: Gasoline was not mutagenic, with or without activation, in the Ames assay (Salmonella typhimurium), Saccharamyces cerevisesae, or mouse lymphoma assays. In addition, point mutations were not induced in human lymphocytes. Gasoline was not mutagenic when tested in the mouse dominant lethal assay. Administration of gasoline to rats did not cause chromosomal aberrations in their bone marrow cells. Inhalation exposure of rats to the light ends of gasoline caused increased sister chromatid exchange in their peripheral white blood cells but did not cause an increase in micronucleated red blood cells in their bone marrow.
ADDITIONAL TOXICOLOGY INFORMATION:
Gasolines are highly volatile and can produce significant concentrations of vapor at ambient temperatures. Gasoline vapor is heavier than air and at high concentrations may accumulate in confined spaces to present both safety and heath hazards. When vapor exposures are low, or short duration and infrequent, such as during refueling and tanker loading/unloading, neither total hydrocarbon nor components such as benzene are likely to result in any adverse health effects. In situations such as accidents or spills where exposure to gasoline vapor is potentially high, attention should be paid to potential toxic effects of specific components. Information about specific components in gasoline can be found in Sections 2, 8 and 15 of this MSDS. More detailed information on the health hazard of specific gasoline components can be obtained calling the ChevronTexaco Emergency Information Center (see Section 1 for phone numbers).
Pathological misuse of solvents and gasoline, involving repeated and prolonged exposure to high concentrations of vapor is a significant exposure on which there are many reports in the medical literature. As with other solvents, persistent abuse involving repeated and prolonged exposures to high concentrations of vapor has been reported to result in central nervous system damage and eventually, death. In a study in which ten human volunteers were exposed for 30 minutes to approximately 200, 500 or 1000 ppm concentrations of gasoline vapor, irritation of the eyes was the only significant effect observed, based on both subjective and objective assessments.
Lifetime inhalation of wholly vaporized unleaded gasoline at 2056 ppm has caused increased liver tumors in female mice and kidney cancer in male rats. In their 1988 review of carcinogenic risk from gasoline, The International Agency for Research on Cancer (IARC) noted that, because published epidemiology studies did not include any exposure data, only

occupations where gasoline exposure may have occurred were reviewed. These included gasoline service station attendants and automobile mechanics. IARC also noted that there was no opportunity to separate effects of combustion products from those of gasoline itself. Although IARC allocated gasoline a final overall classification of Group 2B, i.e. possibly carcinogenic to humans, this was based on limited evidence in experimental animals plus supporting evidence including the presence in gasoline of benzene. The actual evidence for carcinogenicity in humans was considered inadequate.
To explore the health effects of workers potentially exposed to gasoline vapors in the marketing and distribution sectors of the petroleum industry, the American Petroleum Institute sponsored a cohort mortality study (Publication 4555), a nested case-control study (Publication 4551), and an exposure assessment study (Publication 4552). Histories of exposure to gasoline were reconstructed for cohort of more than 18,000 employees from four companies for the time period between 1946 and 1985. The results of the cohort mortality study indicated that there was no increased mortality from either kidney cancer or leukemia among marketing and marine distribution employees who were exposed to gasoline in the petroleum industry, when compared to the general population. More importantly, based on internal comparisons, there was no association between mortality from kidney cancer or leukemia and various indices of gasoline exposure. In particular, neither duration of employment, duration of exposure, age at first exposure, year of first exposure, job category, cumulative exposure, frequency of peak exposure, nor average intensity of exposure had any effect on kidney cancer or leukemia mortality. The results of the nested case-control study confirmed the findings of the original cohort study. That is, exposure to gasoline at the levels experienced by this cohort of distribution workers is not a significant risk factor for leukemia (all cell types), acute myeloid leukemia, kidney cancer or multiple myeloma.

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY
96 hour(s) LC50: 8.3 mg/l (Cyprinodon variegatus)
96 hour(s) LC50: 1.8 mg/l (Mysidopsis bahia)
48 hour(s) LC50: 3.0 mg/l (Daphnia magna)
96 hour(s) LC50: 2.7 mg/l (Oncorhynchus mykiss)
This material is expected to be toxic to aquatic organisms. The bulk of the available literature on gasoline relates to the environmental impact of monoaromatic (BTEX) and diaromatic (naphthalene, methylnaphthalenes) constituents. In general, non-oxygenated gasoline exhibits some short-term toxicity to freshwater and marine organisms, especially under closed vessel or flow-through exposure conditions in the laboratory. The components which are the most prominent in the water soluble fraction and cause aquatic toxicity, are also highly volatile and can be readily biodegraded by microorganisms.

Gasoline studies have been conducted in the laboratory under a variety of test conditions with a range of fish and invertebrate species. An even more extensive database is available on the aquatic toxicity of individual aromatic constituents. The majority of published studies do not identify the type of gasoline evaluated, or even provide distinguishing characteristics such as aromatic content or presence of lead alkyls. As a result, comparison of results among studies using open and closed vessels, different ages and species of test animals and different gasoline types, is difficult.

ENVIRONMENTAL FATE
This material is expected to be readily biodegradable. Following spillage, the more volatile components of gasoline will be rapidly lost, with concurrent dissolution of these and other constituents into the water. Factors such as local environmental conditions (temperature, wind, mixing or wave action, soil type, etc), photo-oxidation, biodegradation and adsorption onto suspended sediments, can contribute to the weathering of spilled gasoline.

The aqueous solubility of non-oxygenated unleaded gasoline, based on analysis of benzene, toluene, ethylbenzene+xylenes and naphthalene, is reported to be 112 mg/l. Solubility data on individual gasoline constituents also available.

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 US EPA under RCRA (40 CFR 261) or other State 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.

DOT Shipping Description: GASOLINE,3,UN1203,II

IMO/IMDG Shipping Description: GASOLINE,3,UN1203,II,FLASH POINT SEE SECTION 5

ICAO/IATA Shipping Description: GASOLINE, 3, UN1203, II

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES: 1. Immediate (Acute) Health Effects: YES
2. Delayed (Chronic) Health Effects: YES
3. Fire Hazard: YES
4. Sudden Release of Pressure Hazard: NO
5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1	03=EPCRA 313
01-2A=IARC Group 2A	04=CA Proposition 65
01-2B=IARC Group 2B	05=MA RTK
02=NTP Carcinogen	06=NJ RTK
	07=PA RTK

The following components of this material are found on the regulatory lists indicated.

Benzene	01-1, 02, 03, 04, 05, 06, 07
Butane	05, 06, 07
Cyclohexane	03, 05, 06, 07
Ethanol	05, 06, 07
Ethyl benzene	01-2B, 03, 05, 06, 07
Gasoline	01-2B, 07
Heptane	05, 06, 07
Hexane	03, 05, 06, 07
Methyl tert-butyl ether (MTBE)	03, 05, 06, 07
Methylcyclohexane	05, 06, 07
Naphthalene	01-2B, 03, 04, 05, 06, 07
Pentane, 2,2,4-trimethyl- (Isooctane)	05, 06, 07
Toluene (methylbenzene)	03, 04, 05, 06, 07
Xylene (contains o-, m-, & p- xylene isomers in varying amounts)	03, 05, 06, 07

CERCLA REPORTABLE QUANTITIES(RQ)/EPCRA 302 THRESHOLD PLANNING QUANTITIES(TPQ):

Component	Component RQ	Component TPQ	Product RQ
Benzene	10 lbs	None	186 lbs
Butane	100 lbs	None	725 lbs
Cyclohexane	1000 lbs	None	34188 lbs
Ethanol	100 lbs	None	1934 lbs

Ethyl benzene	1000 lbs	None	34964 lbs
Gasoline	100 lbs	None	107 lbs
Heptane	100 lbs	None	3644 lbs
Hexane	5000 lbs	None	129149 lbs
Methyl tert-butyl ether (MTBE)	1000 lbs	None	7513 lbs
Methylcyclohexane	100 lbs	None	4278 lbs
Naphthalene	100 lbs	None	4000 lbs
Pentane, 2,2,4-trimethyl- (Isooctane)	1000 lbs	None	6270 lbs
Toluene (methylbenzene)	1000 lbs	None	5480 lbs
Xylene (contains o-, m-, & p- xylene isomers in varying amounts)	100 lbs	None	649 lbs

CHEMICAL INVENTORIES:
All components comply with the following chemical inventory requirements: DSL (Canada), EINECS (European Union), KECI (Korea), TSCA (United States).

WHMIS CLASSIFICATION:
Class B, Division 2: Flammable Liquids
Class D, Division 2, Subdivision A: Very Toxic Material - Carcinogenicity
Class D, Division 2, Subdivision B: Toxic Material - Skin or Eye Irritation

SECTION 16 OTHER INFORMATION

NFPA RATINGS: Health: 1 Flammability: 3 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).
Additional Product Number(s): CPS201023, CPS201054, CPS201055, CPS201075, CPS201090, CPS201105, CPS201106, CPS201120, CPS201121, CPS201122, CPS201126, CPS201128, CPS201131, CPS201136, CPS201141, CPS201142, CPS201148, CPS201153, CPS201158, CPS201161, CPS201162, CPS201168, CPS201181, CPS201185, CPS201186, CPS201188, CPS201216, CPS201217, CPS201218, CPS201236, CPS201237, CPS201238, CPS201266, CPS201267, CPS201268, CPS201277, CPS201278, CPS201279, CPS201286, CPS201287, CPS201289, CPS201296, CPS201297, CPS201298, CPS201849, CPS201850, CPS201855, CPS201856, CPS201857, CPS204000, CPS204001, CPS204002, CPS204003, CPS204010, CPS204011, CPS204022, CPS204023, CPS204046, CPS204047, CPS204070, CPS204071, CPS204088, CPS204089, CPS204104, CPS204105, CPS204116, CPS204117, CPS204140, CPS204141, CPS204164, CPS204165, CPS204188, CPS204189, CPS204200, CPS204201, CPS204212, CPS204213, CPS204224, CPS204225, CPS204248, CPS204249, CPS204272, CPS204273, CPS204290, CPS204291, CPS204322, CPS204323, CPS204324, CPS204350, CPS204352, CPS204354, CPS204356, CPS204358, CPS204359, CPS204364, CPS204365, CPS204370, CPS204371, CPS204376, CPS204377, CPS204382, CPS204383, CPS204388, CPS204389, CPS204394, CPS204395, CPS204400, CPS204401, CPS204406, CPS204407, CPS204412, CPS204413, CPS204418, CPS204419, CPS204424, CPS204425, CPS204430, CPS204431, CPS204436, CPS204437, CPS204442, CPS204446, CPS204450, CPS204454, CPS204458, CPS204462, CPS204466, CPS204467, CPS204484, CPS204485, CPS204502, CPS204503, CPS204520, CPS204521, CPS204538, CPS204539, CPS204556, CPS204557, CPS204574, CPS204575, CPS204592, CPS204593, CPS204610, CPS204611, CPS204628, CPS204629, CPS204646, CPS204647, CPS204664, CPS204665, CPS204682, CPS204690, CPS204691, CPS204696, CPS204697, CPS204702, CPS204703, CPS204708, CPS204709, CPS204721, CPS204722, CPS204727, CPS204728, CPS241765
REVISION STATEMENT: This revision updates the following sections of this Material Safety Data Sheet: 1, 2, 8, 11, 14, 15.
Revision Date: 06/25/2004

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 - ChevronTexaco	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 ChevronTexaco Energy Research & 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. 3127

2. Page 1 of 1

3. Generator's Name and Mailing Address
Bechtel Power Corp.
P.O. Box 19247
Jean, NV 89019

4. Generator's Phone (415) 768-8705

5. Transporter 1 Company Name
Starlite Reclamation

6. US EPA ID Number
CAR000148796

A. State Transporter's ID

B. Transporter 1 Phone 909-434-0430

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
AA Sycol, LLC
1925 S. Factor Ave.
Yuma, AZ 85365

10. US EPA ID Number
AZR000501519

E. State Facility's ID

F. Facility's Phone 928-783-3678

GENERATOR

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. non-hazardous waste, solids	1	DM	200	P
b. non-hazardous waste, solids	6	DM	3000	P
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a) soil & anti-freeze a) S18431-SL1
B) soil, oil B) S18430-SL1

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Ivanpah Solar Electric Generating Facility
100302 Yates Well Rd.
Nipton, CA 92364
Attn: Lorie Palkow

NON-HAZARDOUS WASTE

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: Lorie Palkow | Signature: [signature] | Date: Month 6 Day 23 Year 11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: MANUEL CAMPOS | Signature: [signature] | Date: Month 6 Day 23 Year 11

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

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ENVIRONMENTAL INCIDENT REPORT

Date/Time: June 07, 2011/1130	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On June 07, 2011 around 1020 Lorie Palkow was notified by Josh Sizemore that the pylon insertion equipment had a small hydraulic leak. While inserting a pylon, the equipment experienced a hydraulic leak. The equipment was immediately stopped and the leak was addressed. The impacted soil was removed and placed into a 55 gallon drum for disposal.

Location Of Incident: Ivanpah I heliostat field	**Date/Time of Release**: June 07, 2011/1015
Personnel/ Subcontractor Involved: Josh Sizemore/Bechtel	**Date/Time Release Stopped:** June 07, 2011/Immediately
Containment: Approximately 5 gallons of soil was removed and placed in a 55 gallon drum for proper disposal	**Product ID or CAS Number:** Hydraulic Oil Product Number 273279 **Total Amount Released (units):** Less than a quart
Date/Time Construction Environmental Lead Manager Notified: June 07, 2011/1020 **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: The impacted soil was shoveled into a 55 gallon drum for disposal.

Measures to Prevent Recurrence: The best prevention for this is routine maintenance. The equipment was stopped instantly and the leak was immediately contained. The proper response prevented a larger issue.

Hydraulic Leak

Hydraulic Leak

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.

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. 3127

2. Page 1 of 1

3. Generator's Name and Mailing Address
Bechtel Power Corp.
P.O. Box 19247
Jean, NV 89019

4. Generator's Phone (415) 768-8705

5. Transporter 1 Company Name
Starlite Reclamation

6. US EPA ID Number
CAR000148796

A. State Transporter's ID

B. Transporter 1 Phone 909-434-0430

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
AA Sycol, LLC
1925 S. Factor Ave.
Yuma, AZ 85365

10. US EPA ID Number
AZR000501519

E. State Facility's ID

F. Facility's Phone 928-783-3678

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. non-hazardous waste, solids	1	DM	200	P
b. non-hazardous waste, solids	6	DM	3000	P
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a) soil & anti-freeze a) S18431-SL1
B) soil, oil B) S18430-SL1

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Ivanpah Solar Electric Generating Facility
100302 Yates Well Rd.
Nipton, CA 92364
Attn: Lorie Palkow

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: Lorie Palkow
Signature: Lorie Palkow
Date: Month 6 Day 23 Year 11

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: Manuel Campos
Signature: Manuel Campos
Date: Month 6 Day 23 Year 11

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name:
Signature:
Date: Month Day Year

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

GENERATOR / TRANSPORTER / FACILITY / NON-HAZARDOUS WASTE

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ENVIRONMENTAL INCIDENT REPORT

Date/Time: June 08, 2011/1500	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On June 08, 2011 around 1320 Matt Carney was notified by Fred Cisco that there was grease on the ground between the Common East lay down yard and Ivanpah I. This area is commonly used to park the forklifts over night. Upon arriving in the area, there were several spots of grease on the ground. Most of the spots appeared to be fresh grease. The impacted soil was removed and placed into a 55 gallon drum for disposal.

Location Of Incident: Common East	**Date/Time of Release**: Unknown
Personnel/ Subcontractor Involved: Fred Cisco/Bechtel	**Date/Time Release Stopped:** Unknown
Containment: Approximately 2 gallons of soil was removed and placed in a 55 gallon drum for proper disposal	**Product ID or CAS Number:** Wheel Bearing Grease Product Number NP75600 **Total Amount Released (units):** Less than 16 oz
Date/Time Construction Environmental Lead Notified: June 08, 2011/1320 **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: The impacted soil was shoveled into a 55 gallon drum for disposal.

Measures to Prevent Recurrence: The equipment was over greased or grease was spilled while the equipment was being greased. The individual performing this type of maintenance should be sure to use the correct amount of grease to avoid dripping on to the ground.

Grease Spot

Grease Spots

Grease Spot

Grease Spots

Grease Spot

Grease Spot

Grease Spots

Grease Spots

Clean Up Activities

Clean Up Activities

Clean Up Activities

Clean Up Activities

Area After Clean Up

Area After Clean Up

Area After Clean Up

Area After Clean Up

Area After Clean Up

Area After Clean Up

Area After Clean Up

Area After Clean Up

ASHLAND

SAFETY DATA SHEET

Revision Date: 02/21/2007
Print Date: 1/2/2008
MSDS Number: R0172170
Version: 1.4

NAPA® NAPA EP WHEEL BEARING GREASE GREASE NP75600

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Ashland P.O. Box 2219 Columbus, OH 43216	Regulatory Information Number Telephone Emergency telephone number	1-800-325-3751 614-790-3333 1-800-ASHLAND (1-800-274-5263)

Product name	NAPA® NAPA EP WHEEL BEARING GREASE GREASE
Product code	NP75600
Product Use Description	No data

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance: solid, amber

CAUTION! Moderate skin irritant, Moderate eye irritant.

Potential Health Effects

Routes of exposure
Skin contact

Eye contact
Can cause eye irritation. Symptoms include stinging, tearing, redness, and swelling of eyes.

Skin contact
May cause mild skin irritation. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, drying and cracking of skin, and skin burns.

Ingestion
Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

Inhalation
It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Breathing small amounts of this

material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful.

Aggravated Medical Condition

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material:, skin

Symptoms

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:, stomach or intestinal upset (nausea, vomiting, diarrhea)

Target Organs

No data

Carcinogenicity

No data

Reproductive hazard.

No data

Other information

No data

3. COMPOSITION/INFORMATION ON INGREDIENTS

Components	CAS-No.	Concentration
PETROLEUM BASED GREASE		<=100%

4. FIRST AID MEASURES

Eyes

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Ingestion

Do not induce vomiting. Give one glass of milk or water, and get medical attention immediately. If possible, do not leave victim unattended.

Inhalation

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Notes to physician

Hazards: No information available.

Treatment: No information available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

carbon dioxide (CO2), dry chemical, foamcarbon dioxide (CO2), dry chemical, foam

Hazardous combustion products

May form:, carbon dioxide and carbon monoxide, various hydrocarbons

Precautions for fire-fighting

Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively.Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). DO NOT direct a solid stream of water or foam into hot, burning pools of liquid since this may cause frothing and increase fire intensity. Frothing can be violent and possibly endanger any firefighter standing too close to the burning liquid.

Flammability Class for Flammable Liquids

Combustible Liquid Class IIIB

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

No data

Environmental precautions

No data

Methods for cleaning up

Shovel material into containers. Thoroughly sweep area of spill to clean up any residual material.

7. HANDLING AND STORAGE

Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

Storage

No data

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

General advice

These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

Exposure controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV(s).

Eye protection

Wear safety glasses in compliance with OSHA regulations. (Consult your safety representative.)

Skin and body protection

Wear normal work clothing covering arms and legs.Wear resistant gloves such as: Neoprene

Respiratory protection

If workplace exposure limit(s) of product or any component is exceeded (see exposure guidelines), a NIOSH-approved air supplied respirator is advised in absence of proper environmental control. OSHA regulations also permit other NIOSH respirators

(negative pressure type) under specified conditions (see your industrial hygienist). Engineering or administrative controls should be implemented to reduce exposure.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	solid
Form	Semisolid, gel,
Colour	amber
Odour	No data
Boiling point/range	700.0 °F / 371.1 °C
pH	No data
Flash point	450 °F / 232 °C
Evaporation rate	No data
Explosion limits	No data
Vapour pressure	No data
Vapour density	No data
Density	0.95 g/cm3 @ 60.1 °F / 15.6 °C
	No data
Solubility	No data
Partition coefficient (n-octanol/water)	No data
Autoignition temperature	No data

10. STABILITY AND REACTIVITY

Stability

Stable

Conditions to avoid

None known.

Incompatible products

Avoid contact with:, strong oxidizing agents

Hazardous decomposition products

May form:, carbon dioxide and carbon monoxide, various hydrocarbons

Hazardous reactions

Product will not undergo hazardous polymerization.

Thermal decomposition
No data

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity

Acute inhalation toxicity

Acute dermal toxicity

12. ECOLOGICAL INFORMATION

Aquatic toxicity

Acute and Prolonged Toxicity to Fish
No data

Acute Toxicity to Aquatic Invertebrates
No data

Environmental fate and pathways
No data

13. DISPOSAL CONSIDERATIONS

Waste disposal methods
Dispose of in accordance with all applicable local, state and federal regulations.

14. TRANSPORT INFORMATION

Dangerous goods descriptions may not reflect package size, quantity, end-use or region-specific exceptions that can be applied to shipments. Consult shipping documents for material-specific descriptions.

15. REGULATORY INFORMATION

California Prop. 65

SARA Hazard Classification Acute Health Hazard

SARA 313 Component(s)

OSHA Hazards Moderate skin irritant
Moderate eye irritant

	Health	Flammability	Reactivity	Other
HMIS				No data
NFPA	1	1	1	

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances.

This MSDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).

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. 3127

2. Page 1 of 1

3. Generator's Name and Mailing Address
Bechtel Power Corp.
P.O. Box 19247
Jean, NV 89019

4. Generator's Phone (415) 768-8705

5. Transporter 1 Company Name: Starlite Reclamation

6. US EPA ID Number: CAR000148796

A. State Transporter's ID

B. Transporter 1 Phone 909-434-0430

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
AA Sycol, LLC
1925 S. Factor Ave.
Yuma, AZ 85365

10. US EPA ID Number: AZR000501519

E. State Facility's ID

F. Facility's Phone 928-783-3678

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. non-hazardous waste, solids	1	DM	200	P
b. non-hazardous waste, solids	6	DM	3000	P
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a) soil & anti-freeze a) S18431-SL1
b) soil, oil b) S18430-SL1

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Ivanpah Solar Electric Generating Facility
100302 Yates Well Rd.
Nipton, CA 92364
Attn: Lorie Palkow

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 Palkow	Lorie Palkow	6	23	11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
MANUEL CAMPOS	Manuel Campos	6	23	11

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

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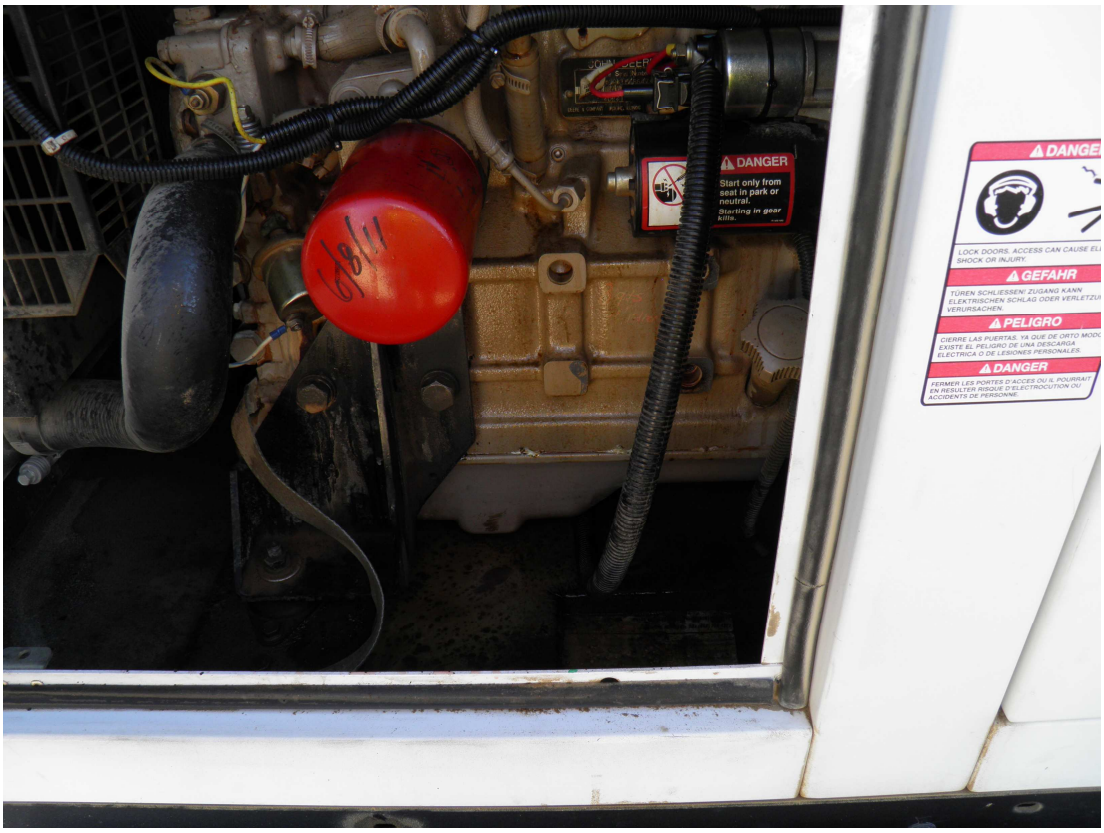
ENVIRONMENTAL INCIDENT REPORT

Date/Time: June 13, 2011/0800	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow
Incident Description: On June 12, 2011 around 1430 Mike Jimenez of the Bechtel Safety Department discovered that the safety trailer generator was not running. Mike noticed that motor oil and water were leaking from the motor. Immediate action was taken to stop and contain the leak. The generator was removed from the site later that evening. At 0500 Mr. Jimenez reported the incident to Lorie Palkow and stated that no soil clean up had begun. Upon inspection of the area, it appeared that the water had impacted the ground, but that the oil had remained on the PIG containment. The PIG pad does not absorb water; it is designed to absorb and hold oil or gasoline product. Therefore, it is believed that there was no actually impact to the ground from this leak. The surface soil was removed from the area as a precautionary measure. Approximately 5 gallons of soil was removed and will be placed in a 55 gallon drum for proper disposal.	
Location Of Incident: Common East near the Safety Trailer	**Date/Time of Release**: June 12, 2011/1430
Personnel/ Subcontractor Involved: Mike Jimenez/Bechtel	**Date/Time Release Stopped:** June 12, 2011/Immediately
Containment: Approximately 5 gallons of soil was removed as a precautionary measure and placed in a 55 gallon drum for proper disposal	**Product ID or CAS Number:** NAPA Motor Oil Product Code NP75100 and water **Total Amount Released (units):** Less than a gallon of the water and oil mixture and zero oil impacted the soil
Date/Time Construction Environmental Lead Notified: June 13, 2011/0500 **Person Contacted:** Lorie Palkow **Notes**: Mike Jimenez was on site and responded to and recorded the incident when it occurred	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: The impacted soil was placed into a 55 gallon drum for disposal.	
Measures to Prevent Recurrence: The spill prevention system located under the generator appeared to stop most if not all of the motor oil from impacting the ground.	

ENVIRONMENTAL INCIDENT REPORT

Date/Time: 6/12/11 / 2:30 PM	Name/ Title: MIKE JIMENEZ / Safety Signature:
Incident Description: ON 6/12/11 at 2:30 PM I Noticed the safety trailer Generator was not running when I opened the access door their was oil & water dripping from the motor so I shut off the breaker and contained the leak. I could not remove the soil because it was under the Generator.	
Location Of Incident: Southside Safety trailer	Date/Time of Release: 2:30
Personnel/ Subcontractor Involved: United Rentals	Date/Time Release Stopped: 2:30
Containment: Motor oil & water mixed	Product ID or CAS Number: motor oil/water mixed Total Amount Released (units): 1 Gallon
Date/Time Telecoms GBU Environmental Services Manager Notified: 6/12/11 / 2:30 PM Person Contacted: Matt Carney Notes:	Was there any off-site impact with threat to human health and/or environment?: Yes (No) Did release reach surface water? Yes (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:	
Measures to Prevent Recurrence:	



Leaking Generator

Water Under Spill Pad

Spill Containment Pad Impacted With Oil

Soil Removal Efforts

Soil Removal Efforts

Water Leak After Soil Removal Efforts

ASHLAND

SAFETY DATA SHEET

Revision Date: 09/09/2010
Print Date: 9/13/2010
MSDS Number: R0164091
Version: 4.0

NAPA® PREM PERF SAE 10W-40 MOTOR OIL
NP75100

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Ashland P.O. Box 2219 Columbus, OH 43216	Regulatory Information Number Telephone Emergency telephone number	1-800-325-3751 614-790-3333 1-800-ASHLAND (1-800-274-5263)

Product name NAPA® PREM PERF SAE 10W-40 MOTOR OIL

Product code NP75100
Product Use Description No data

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance: liquid, amber

CAUTION! PROLONGED OR REPEATED CONTACT MAY DRY THE SKIN AND CAUSE IRRITATION AND BURNS.

Potential Health Effects

Exposure routes
Inhalation, Skin absorption, Skin contact, Eye Contact, Ingestion

Eye contact
May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

Skin contact
May cause mild skin irritation. Symptoms may include redness and burning of skin. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, skin burns, and other skin damage.

Ingestion
Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

Inhalation

It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits, if applicable (see Section 8.).

Aggravated Medical Condition

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material:, Skin, lung (for example, asthma-like conditions)

Symptoms

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:, acne, stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways)

Target Organs

No data

Carcinogenicity

This material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA). Used motor oil has been shown to cause skin cancer in laboratory animals continually exposed by repeated applications. Avoid prolonged or repeated skin contact.

Reproductive hazard

There are no data available for assessing risk to the fetus from maternal exposure to this material.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	CAS-No.	Concentration
HEAVY PARAFFINIC DISTILLATE	64742-54-7	>=60-<70%
HEAVY PARAFFINIC DISTILLATE	64742-54-7	>=20-<30%

4. FIRST AID MEASURES

Eyes

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Ingestion

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Notes to physician

Hazards: Acute aspiration of large amounts of oil-laden material may produce a serious aspiration pneumonia. Patients who aspirate these oils should be followed for the development of long-term sequelae. Repeated aspiration of small quantities of mineral oil can produce chronic inflammation of the lungs (i.e. lipoid pneumonia) that may progress to pulmonary fibrosis. Symptoms are often subtle and radiological changes appear worse than clinical abnormalities. Occasionally, persistent cough, irritation of the upper respiratory tract, shortness of breath with exertion, fever, and bloody sputum occur. Inhalation exposure to oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities.

Treatment: No information available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Dry chemical, Carbon dioxide (CO2), Water spray

Hazardous combustion products

carbon dioxide and carbon monoxide, Hydrocarbons

Precautions for fire-fighting

Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). DO NOT direct a solid stream of water or foam into hot, burning pools of liquid since this may cause frothing and increase fire intensity. Frothing can be violent and possibly endanger any firefighter standing too close to the burning liquid. Use water spray to cool fire exposed containers and structures until fire is out if it can be done with minimal risk. Avoid spreading burning material with water used for cooling purposes.

NFPA Flammable and Combustible Liquids Classification

Combustible Liquid Class IIIB

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

For personal protection see section 8. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Environmental precautions

Prevent spreading over a wide area (e.g. by containment or oil barriers). Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

Methods for cleaning up

Keep in suitable, closed containers for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Other information

Comply with all applicable federal, state, and local regulations.

7. HANDLING AND STORAGE

Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

Storage

Store in a cool, dry, ventilated area.

NAPA® PREM PERF SAE 10W-40 MOTOR OIL
NP75100

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

HYDROTREATED PARAFFINIC DISTILLATE, DEWAXED

General advice

These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

Exposure controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Eye protection

Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

Skin and body protection

Wear normal work clothing including long pants, long-sleeved shirts and foot covering to prevent direct contact of the product with the skin. Launder clothing before reuse. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use.
Wear resistant gloves (consult your safety equipment supplier).

Respiratory protection

A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid
Form	no data available
Colour	amber
Odour	hydrocarbon-like
Boiling point/boiling range	570.00 °F / 298.89 °C @ 760.00 mmHg
Melting point/range	no data available
Sublimation point	no data available
pH	no data available
Flash point	(>)390 °F / 199 °C Cleveland open cup
Ignition temperature	no data available
Evaporation rate	1 Ethyl Ether
Lower explosion limit/Upper explosion limit	no data available
Particle size	no data available
Vapour pressure	no data available
Relative vapour density	no data available
Density	0.8690 g/cm3 @ 60.01 °F / 15.56 °C 7.34 lb/gal @ 60.00 °F / 15.56 °C
Bulk density	No data
Water solubility	no data available
Solubility	no data available
Partition coefficient: n-octanol/water	no data available
log Pow	no data available
Autoignition temperature	no data available
Viscosity, dynamic	no data available
Viscosity, kinematic	14 mm2/s
Solids in Solution	no data available
Decomposition temperature	no data available
Burning number	no data available
Dust explosion constant	no data available
Minimum ignition energy	no data available

10. STABILITY AND REACTIVITY

Stability

Stable.

Conditions to avoid

None known.

Incompatible products
Strong oxidizing agents

Hazardous decomposition products
carbon dioxide and carbon monoxide, Hydrocarbons

Hazardous reactions
Product will not undergo hazardous polymerization.

Thermal decomposition
No data

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity

HEAVY PARAFFINIC DISTILLATE	:	LD 50 Rat: > 15 g/kg
HEAVY PARAFFINIC DISTILLATE	:	LD 50 Rat: > 15 g/kg

Acute inhalation toxicity

HEAVY PARAFFINIC DISTILLATE	:	no data available
HEAVY PARAFFINIC DISTILLATE	:	no data available

Acute dermal toxicity

HEAVY PARAFFINIC DISTILLATE	:	LD 50 Rabbit: > 5 g/kg
HEAVY PARAFFINIC DISTILLATE	:	LD 50 Rabbit: > 5 g/kg

12. ECOLOGICAL INFORMATION

Biodegradability

HEAVY PARAFFINIC DISTILLATE	:	no data available

HEAVY PARAFFINIC DISTILLATE	:	no data available

Bioaccumulation

HEAVY PARAFFINIC DISTILLATE	:	no data available
HEAVY PARAFFINIC DISTILLATE	:	no data available

Ecotoxicity effects

Toxicity to fish

HEAVY PARAFFINIC DISTILLATE	:	no data available
HEAVY PARAFFINIC DISTILLATE	:	no data available

Toxicity to daphnia and other aquatic invertebrates.

HEAVY PARAFFINIC DISTILLATE	:	no data available
HEAVY PARAFFINIC DISTILLATE	:	no data available

Toxicity to algae

HEAVY PARAFFINIC DISTILLATE	:	no data available
HEAVY PARAFFINIC DISTILLATE	:	no data available

Toxicity to bacteria

HEAVY PARAFFINIC DISTILLATE	:	no data available
HEAVY PARAFFINIC DISTILLATE	:	no data available

Biochemical Oxygen Demand (BOD)

HEAVY PARAFFINIC DISTILLATE	:	no data available
HEAVY PARAFFINIC DISTILLATE	:	no data available

Chemical Oxygen Demand (COD)

HEAVY PARAFFINIC DISTILLATE	:	no data available
HEAVY PARAFFINIC DISTILLATE	:	no data available

Additional ecological information

HEAVY PARAFFINIC DISTILLATE	:	no data available
HEAVY PARAFFINIC DISTILLATE	:	no data available

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Ashland Distribution's Environmental Services Group at 800-637-7922.

14. TRANSPORT INFORMATION

REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.

MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods

TRANSPORT CANADA - INLAND WATERWAYS

Not dangerous goods

NAPA® PREM PERF SAE 10W-40 MOTOR OIL
NP75100

TRANSPORT CANADA - RAIL

Not dangerous goods

TRANSPORT CANADA - ROAD

Not dangerous goods

U.S. DOT - INLAND WATERWAYS

Not dangerous goods

U.S. DOT - RAIL

Not dangerous goods

U.S. DOT - ROAD

Not dangerous goods

***ORM = ORM-D, CBL = COMBUSTIBLE LIQUID**

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

15. REGULATORY INFORMATION

California Prop. 65

Proposition 65 warnings are not required for this product based on the results of a risk assessment.	

SARA Hazard Classification
No SARA Hazards

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

New Jersey RTK Label Information

HEAVY PARAFFINIC DISTILLATE	64742-54-7
HEAVY PARAFFINIC DISTILLATE	64742-54-7

HYDROTREATED PARAFFINIC DISTILLATE, DEWAXED
POLYOLEFIN AMIDE ALKENEAMINE
LUBRICANT ADDITIVE

Pennsylvania RTK Label Information

HEAVY PARAFFINIC DISTILLATE	64742-54-7
HEAVY PARAFFINIC DISTILLATE	64742-54-7
HYDROTREATED PARAFFINIC DISTILLATE, DEWAXED	

Notification status

US. Toxic Substances Control Act	y (positive listing)
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133)	y (positive listing)
Australia. Industrial Chemical (Notification and Assessment) Act	y (positive listing)
New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand	n (Negative listing)
Japan. Kashin-Hou Law List	e (special case)
Korea. Toxic Chemical Control Law (TCCL) List	y (positive listing)
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	y (positive listing)
China. Inventory of Existing Chemical Substances	q (quantity restricted)

	HMIS	NFPA
Health	1	1
Flammability	1	1
Physical hazards	0	
Instability		0
Specific Hazard	--	--

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This MSDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).

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. 3127

2. Page 1 of 1

3. Generator's Name and Mailing Address
Bechtel Power Corp.
P.O. Box 19247
Jean, NV 89019

4. Generator's Phone (415) 768-8705

5. Transporter 1 Company Name
Starlite Reclamation

6. US EPA ID Number
CAR000148796

A. State Transporter's ID

B. Transporter 1 Phone 909-434-0430

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
AA Sycol, LLC
1925 S. Factor Ave.
Yuma, AZ 85365

10. US EPA ID Number
AZR000501519

E. State Facility's ID

F. Facility's Phone 928-783-3678

GENERATOR

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. non-hazardous waste, solids	1	DM	200	P
b. non-hazardous waste, solids	6	DM	3000	P
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a) soil & anti-freeze a) S18431-SL1
B) soil, oil B) S18430-SL1

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Ivanpah Solar Electric Generating Facility
100302 Yates Well Rd.
Nipton, CA 92364
Attn: Lorie Palkow

NON-HAZARDOUS WASTE

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: Lorie Pallow — Signature: [signature] — Date: Month 6 Day 23 Year 11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name: MANUEL CAMPOS — Signature: [signature] — Date: Month 6 Day 23 Year 11

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

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PRINTED WITH SOY INK

ENVIRONMENTAL INCIDENT REPORT

Date/Time: June 13, 2011/1230	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On June 13, 2011 around 1045 Lorie Palkow was notified by Jose Partida that an excavator had a small hydraulic leak while the operator, Bill May, was excavating a trench. The quick disconnect had been repaired the previous day, and the operator was testing to see if the excavator was working correctly. During the test, the hydraulic hoses separated and sprayed hydraulic oil out of the excavator. The operator stated that it appeared the hoses were too short. The Cashman mechanic was called back out to repair the issue. The impacted soil was removed and placed into 55 gallon drums for disposal.

Location Of Incident: Road between Ivanpah II and Common West	**Date/Time of Release**: June 13, 2011/1030
Personnel/ Subcontractor Involved: Bill May/Bechtel	**Date/Time Release Stopped:** June 13, 2011/Immediately
Containment: Approximately 80 gallons of soil was removed and placed in 55 gallon drums for proper disposal	**Product ID or CAS Number:** Hydraulic Oil Product Number 273279 **Total Amount Released (units):** Approximately 3 gallons
Date/Time Construction Environmental Lead Notified: June 13, 2011/1045 **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: The impacted soil was shoveled into 55 gallon drums for disposal.

Measures to Prevent Recurrence: When making repairs, mechanics should ensure the correct parts are being utilized.

Excavator with Hydraulic Leak

Hydraulic Leak

Hydraulic Spray

Hydraulic Spray

Impacted Soil Removal

Impacted Soil Removal

Impacted Soil Removal

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. 3127

2. Page 1 of 1

3. Generator's Name and Mailing Address
Bechtel Power Corp.
P.O. Box 19247
Jean, NV 89019

4. Generator's Phone (415) 768-8705

5. Transporter 1 Company Name
Starlite Reclamation

6. US EPA ID Number
CAR000148796

A. State Transporter's ID

B. Transporter 1 Phone 909-434-0430

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
AA Sycol, LLC
1925 S. Factor Ave.
Yuma, AZ 85365

10. US EPA ID Number
AZR000501519

E. State Facility's ID

F. Facility's Phone 928-783-3678

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. non-hazardous waste, solids	1	DM	200	P
b. non-hazardous waste, solids	6	DM	3000	P
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a) soil & anti-freeze a) S18431-SL1
B) soil, oil B) S18430-SL1

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Ivanpah Solar Electric Generating Facility
100302 Yates Well Rd.
Nipton, CA 92364
Attn: Lorie Palkow

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 Palkow	Lorie Palkow	6 / 23 / 11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date (Month / Day / Year)
MANUEL CAMPOS	Manuel Campos	6 / 23 / 11

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)

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ENVIRONMENTAL INCIDENT REPORT

Date/Time: June 14, 2011/1330	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On June 14, 2011 around 0920 Lorie Palkow was notified by Thomas Koning that there was motor oil in the road near the guard shack. A delivery truck had leaked oil onto the road , and the security guard was unsure which truck it was. No oil was found past the guard turnaround area. Absorbent material was spread out over the oil and swept up. The material was placed into a 55 gallon drum for disposal.

Location Of Incident: Coliseum Road adjacent to the guard shack	**Date/Time of Release**: June 14, 2011/0915
Personnel/ Subcontractor Involved: Tom Koning/Securitas	**Date/Time Release Stopped:** NA
Containment: The used kitty litter was swept up and placed in a 55 gallon drum for proper disposal	**Product ID or CAS Number:** Unknown motor oil **Total Amount Released (units):** Less than one gallon
Date/Time Construction Environmental Lead Notified: June 14, 2011/0920 **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: The absorbent material used for clean up was swept up and placed in a 55 gallon drum for proper disposal.

Measures to Prevent Recurrence: Delivery companies have been notified that leaking vehicles will not be permitted on site.

Motor Oil Spots

Motor Oil Spots

Motor Oil Spots

Motor Oil Spots

Motor Oil Spots

Oil Clean Up

Oil Clean Up

Oil Clean Up

Oil Clean Up

Oil Clean Up

Oil Clean Up

Oil Clean Up

Area After Clean Up

Area After Clean Up

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

1. Generator's US EPA ID No. CAR000215400

Manifest Document No. 3127

2. Page 1 of 1

3. Generator's Name and Mailing Address
Bechtel Power Corp.
P.O. Box 19247
Jean, NV 89019

4. Generator's Phone (415) 768-8705

5. Transporter 1 Company Name
Starlite Reclamation

6. US EPA ID Number
CAR000148796

A. State Transporter's ID

B. Transporter 1 Phone 909-434-0430

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
AA Sycol, LLC
1925 S. Factor Ave.
Yuma, AZ 85365

10. US EPA ID Number
AZR000501519

E. State Facility's ID

F. Facility's Phone 928-783-3678

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
a. non-hazardous waste, solids	1	DM	200	P
b. non-hazardous waste, solids	6	DM	3000	P
c.				
d.				

G. Additional Descriptions for Materials Listed Above
a) soil & anti-freeze a) S18431-SL1
B) soil, oil B) S18430-SL1

H. Handling Codes for Wastes Listed Above

15. Special Handling Instructions and Additional Information
Ivanpah Solar Electric Generating Facility
100302 Yates Well Rd.
Nipton, CA 92364
Attn: Lorie Palkow

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 Palkow	Lorie Palkow	6	23	11

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
MANUEL CAMPOS	Manuel Campos	6	23	11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

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

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

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ENVIRONMENTAL INCIDENT REPORT

Date/Time: June 20, 2011/1020	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On June 20, 2011 around 0915 Lorie Palkow was notified by Ceasar Carrasco of Bechtel that they unloaded a delivery truck. When it left, a few drops of oil was observed on the ground. There was no trail or additional spots identified. The impacted soil was shoveled up and placed into a 55 gallon drum for disposal.

Location Of Incident: Switch yard	**Date/Time of Release**: June 20, 2011/0915
Personnel/ Subcontractor Involved: Ceasar Carrasco /Bechtel	**Date/Time Release Stopped:** Immediately
Containment: Approximately a gallon of soil shoveled up and placed in a 55 gallon drum for proper disposal	**Product ID or CAS Number:** Unknown motor oil **Total Amount Released (units):** A few drops
Date/Time Construction Environmental Lead Notified: June 20, 2011/0915 **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: The impacted soil was shoveled up and placed in a 55 gallon drum for proper disposal.

Measures to Prevent Recurrence: Direct cause is unknown. Most likely the delivery truck did not realize there was an issue.

Oil Spots

Oil Removal

Area After Clean Up

NON-HAZARDOUS WASTE MANIFEST

Please print or type (Form designed for use on elite (12 pitch) typewriter)

NON-HAZARDOUS WASTE

GENERATOR

NON-HAZARDOUS WASTE MANIFEST	1. Generator's US EPA ID No. CAR000215400	Manifest Document No. 3127	2. Page 1 of 1

3. Generator's Name and Mailing Address: Bechtel Power Corp.
P.O. Box 19247
4. Generator's Phone (415)768-8705 Jean, NV 89019

5. Transporter 1 Company Name	6. US EPA ID Number	A. State Transporter's ID
Starlite Reclamation	CAR000148796	B. Transporter 1 Phone 909-434-0430
7. Transporter 2 Company Name	8. US EPA ID Number	C. State Transporter's ID
		D. Transporter 2 Phone

9. Designated Facility Name and Site Address	10. US EPA ID Number	E. State Facility's ID
AA Sycol, LLC 1925 S. Factor Ave. Yuma, AZ 85365	AZR000501519	F. Facility's Phone 928-783-3678

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
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b. non-hazardous waste, solids	6	DM	3000	P
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Nipton, CA 92364 Attn: Lorie Palkow

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Printed/Typed Name	Signature	Date Month	Day	Year
Lorie Palkow	Lorie Palkow	6	23	11

TRANSPORTER

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
MANUEL CAMPOS	Manuel Campos	6	23	11

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

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ENVIRONMENTAL INCIDENT REPORT

Date/Time: June 21, 2011/1045	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On June 21, 2011 around 0745 Lorie Palkow was notified by Thomas Koning that there was motor oil in the road near the guard shack. A delivery truck had leaked oil onto the road. The truck in question had been denied access to the site and was turned around. Absorbent material was spread out over the oil and swept up. The absorbent material was placed into a 55 gallon drum for proper disposal.

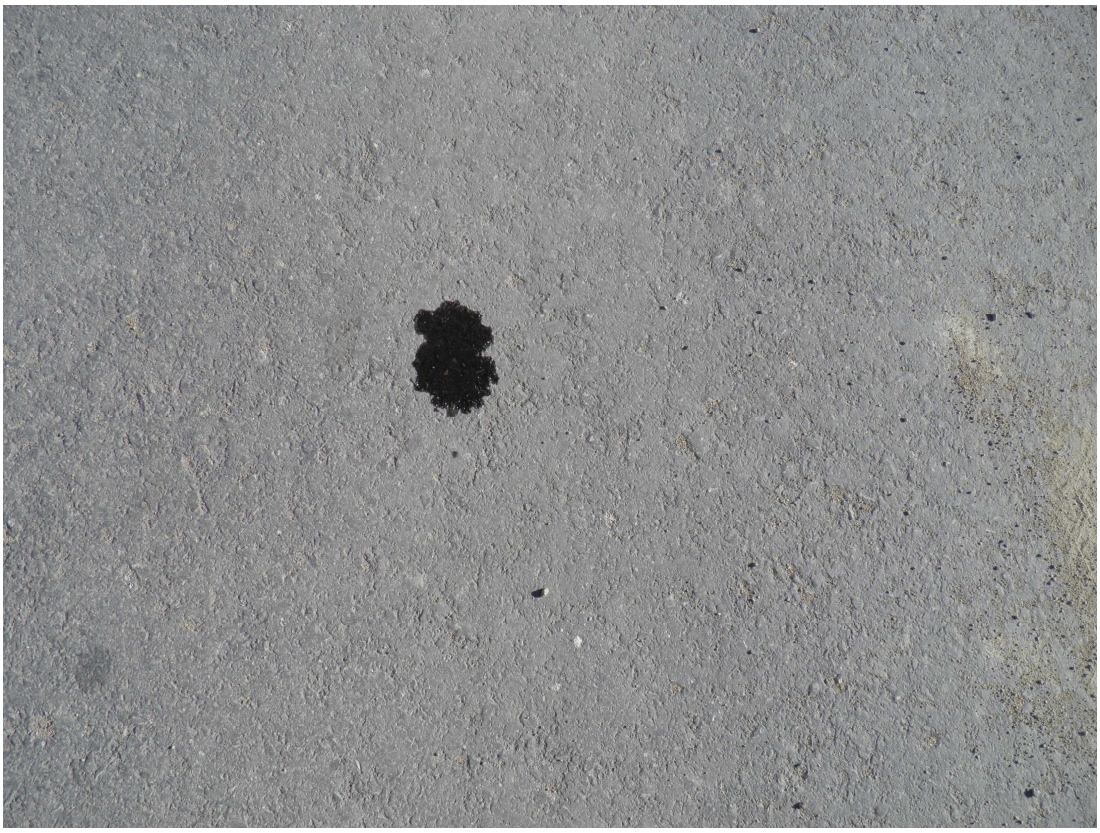
Location Of Incident: Coliseum Road adjacent to the guard shack	**Date/Time of Release**: June 21, 2011/0730
Personnel/ Subcontractor Involved: Thomas Koning/Securitas	**Date/Time Release Stopped:** NA
Containment: The impacted absorbent material was shoveled up and placed in a 55 gallon drum for proper disposal	**Product ID or CAS Number:** Unknown motor oil **Total Amount Released (units):** Less than one gallon
Date/Time Construction Environmental Lead Notified: June 21, 2011/0745 **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: The absorbent material was swept up and placed in a 55 gallon drum for proper disposal.

Measures to Prevent Recurrence: Delivery companies have been notified that leaking vehicles will not be permitted on site.

Oil Spots

Oil Spots



Oil Spots

Oil Spots

Oil Spots

Oil Spots

Clean Up Activities

Clean Up Activities

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. 3127

2. Page 1 of 1

3. Generator's Name and Mailing Address
Bechtel Power Corp.
P.O. Box 19247
Jean, NV 89019

4. Generator's Phone (415) 768-8705

5. Transporter 1 Company Name
Starlite Reclamation

6. US EPA ID Number
CAR000148796

A. State Transporter's ID

B. Transporter 1 Phone 909-434-0430

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

9. Designated Facility Name and Site Address
AA Sycol, LLC
1925 S. Factor Ave.
Yuma, AZ 85365

10. US EPA ID Number
AZR000501519

E. State Facility's ID

F. Facility's Phone 928-783-3678

11. WASTE DESCRIPTION	Containers No.	Containers Type	13. Total Quantity	14. Unit Wt./Vol.
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b. non-hazardous waste, solids	6	DM	3000	P
c.				
d.				

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a) soil & anti-freeze a) S18431-SL1
B) soil, oil B) S18430-SL1

H. Handling Codes for Wastes Listed Above

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Ivanpah Solar Electric Generating Facility
100302 Yates Well Rd.
Nipton, CA 92364
Attn: Lorie Palkow

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Printed/Typed Name	Signature	Date Month	Day	Year
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17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year
MANUEL CAMPOS	Manuel Campos	6	23	11

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name	Signature	Date Month	Day	Year

19. Discrepancy Indication Space

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Printed/Typed Name	Signature	Date Month	Day	Year

GENERATOR

TRANSPORTER

FACILITY

NON-HAZARDOUS WASTE

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ENVIRONMENTAL INCIDENT REPORT

Date/Time: June 22, 2011/1445	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On June 22, 2011 around 1115 Lorie Palkow was notified by Megan McGuire that a delivery truck had leaked hydraulic oil in the lay down yard. The truck was making a delivery and only leaked while it was stopped. There was no trail up the roadway, and as long as the truck was in motion, nothing was leaking from it. The impacted soil was shoveled up and placed into a 55 gallon drum for disposal.

Location Of Incident: Lay down Yard	**Date/Time of Release**: June 22, 2011/1115
Personnel/ Subcontractor Involved: Meagan McGuire/Bechtel	**Date/Time Release Stopped:** June 22, 2011/1115
Containment: The impacted soil was shoveled up and placed in a 55 gallon drum for proper disposal	**Product ID or CAS Number:** Unknown motor oil **Total Amount Released (units):** Less than one gallon
Date/Time Construction Environmental Lead Notified: June 22, 2011/1115 **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: The impacted soil was swept up and placed in a 55 gallon drum for proper disposal.

Measures to Prevent Recurrence: A formal statement is being drafted to be included in the contracts that state that delivery trucks will be checked and will not attempt delivery if they are having a leaking issue.

Oil Spots

Oil Spots

Oil Spots

Oil Spots

Oil Spots

Oil Spots

Oil Spots

Oil Spots

Oil Spots

Oil Spots

Clean Up Activities

Clean Up Activities

Clean Up Activities

Area After Clean Up

Area After Clean Up

Area After Clean Up

NON-HAZARDOUS WASTE MANIFEST

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NON-HAZARDOUS WASTE MANIFEST

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A. State Transporter's ID

B. Transporter 1 Phone 909-434-0430

7. Transporter 2 Company Name

8. US EPA ID Number

C. State Transporter's ID

D. Transporter 2 Phone

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E. State Facility's ID

F. Facility's Phone 928-783-3678

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100302 Yates Well Rd.
Nipton, CA 92364
Attn: Lorie Palkow

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Printed/Typed Name: Lorie Palkow
Signature: Lorie Palkow
Date: Month 6 Day 23 Year 11

17. Transporter 1 Acknowledgement of Receipt of Materials
Printed/Typed Name: MANUEL CAMPOS
Signature: Manuel Campos
Date: Month 6 Day 23 Year 11

18. Transporter 2 Acknowledgement of Receipt of Materials
Printed/Typed Name
Signature
Date: Month Day Year

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 — GENERATOR — TRANSPORTER — FACILITY

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ENVIRONMENTAL INCIDENT REPORT

Date/Time: June 23, 2011/1150	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow
Incident Description: On June 22, 2011 around 1145 Lorie Palkow was notified that a spill had occurred at the well and at the guard shack. Upon further investigation, it was actually one spill. A Las Paving Paving (LVP) water truck was waiting to get water at the Common East well stands, when the transmission system began to leak oil. The operator was informed that the well was dry and proceeded to head toward the LVP owned well in their lay down yard off site. Unaware that he was leaking oil, the water truck continued all the way back to the yard before the issue was noticed. The transmission system holds a total of 18 gallons of oil, and it was determined that 3 gallons remained in the system after the incident. Therefore, approximately 15 gallons of oil was spilled onto the ground. The impacted soil was removed using dozers and by hand with shovels. Absorbent sand was spread over the impacted asphalt. Brooms and a dozer were used to remove it from the road.	
Location Of Incident: Common East stand tanks down Coliseum and onto LVP property (lay down yard)	**Date/Time of Release**: June 22, 2011/1130
Personnel/ Subcontractor Involved: Tony Hall, Kelly Murphy, etc./LVP	**Date/Time Release Stopped:** June 22, 2011/1145
Containment: The impacted soil and sand was removed via equipment and will be delivered to the LVP incinerator for disposal	**Product ID or CAS Number:** Rimula 15W40 Product number 54269 **Total Amount Released (units):** Approximately Fifteen gallons
Date/Time Construction Environmental Lead Notified: June 22, 2011/1145 **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: The impacted soil was removed using dozers and by hand with shovels. Absorbent sand was spread over the impacted asphalt. Brooms and a dozer were used to remove the sand from the road.	
Measures to Prevent Recurrence: Operators should be more aware of their surroundings. Operators should be doing a 360 walk around if they come to a complete stop. In addition, glancing around the vehicle periodically to check for hazards as well as leaks.	

Oil Spill

Oil Spill

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Clean Up Activities

Clean Up Activities

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After Clean Up

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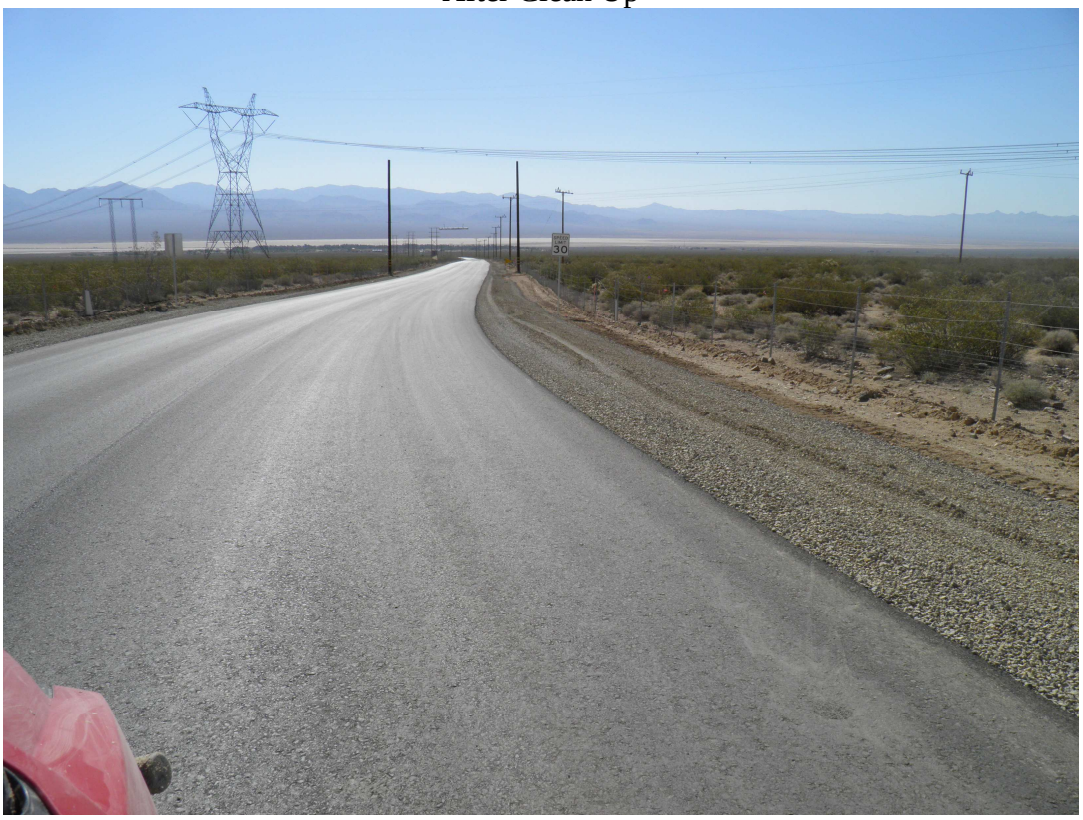
After Clean Up

After Clean Up



After Clean Up

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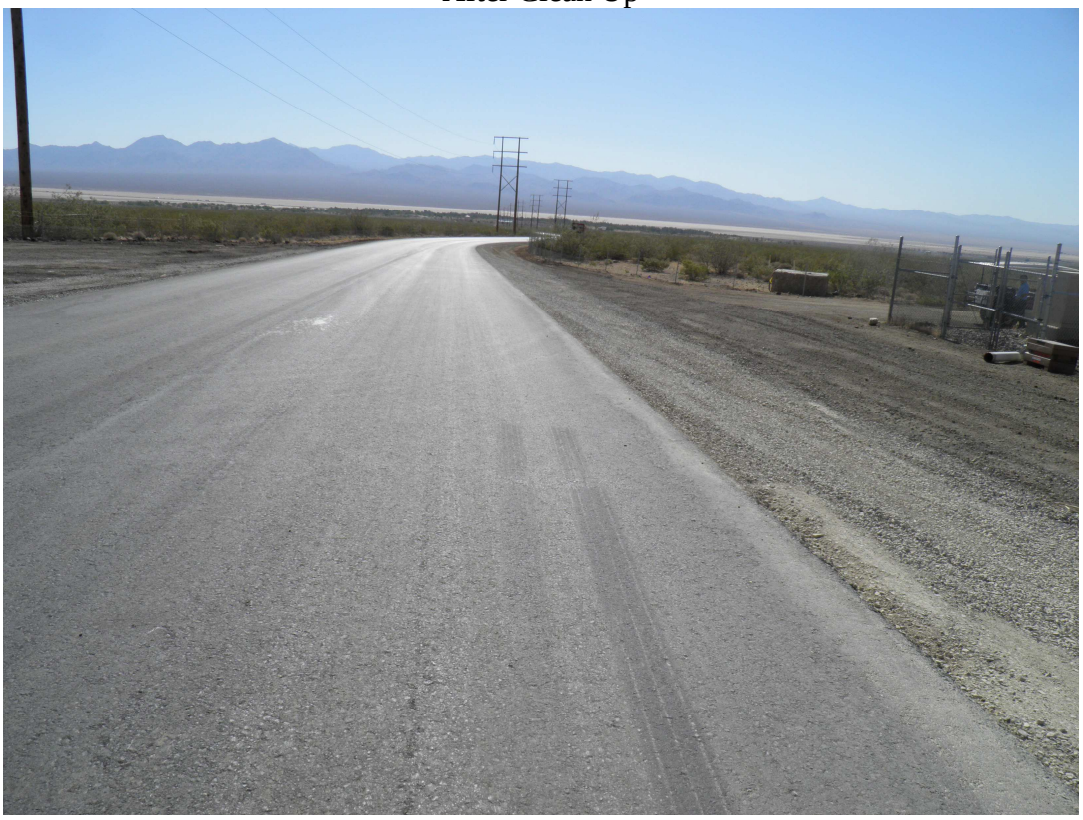

After Clean Up

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Print Close

MATERIAL SAFETY DATA SHEET
Review Date: 12/11/2006

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: RIMULA® Premium SAE 15W40

MSDS NUMBER: 400843L - 3
PRODUCT CODE(S): 54269, 5426910001

MANUFACTURER ADDRESS: SOPUS Products, P.O. Box 4427, Houston, TX. 77210-4427

TELEPHONE NUMBERS
Spill Information: (877) 242-7400
Health Information: (877) 504-9351
MSDS Assistance Number: (877) 276-7285

SECTION 2 PRODUCT/INGREDIENTS

CAS#	CONCENTRATION	INGREDIENTS
		Motor Oil
Mixture	95 - 98.99 %weight	Highly refined petroleum base oils
Mixture	1 - 4.99 %weight	Proprietary additives (contains 1% zinc compounds)

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Appearance & Odor: Bright and clear liquid. Mild Hydrocarbon Odor.
Health Hazards: No known immediate health hazards.
Physical Hazards: No known physical hazards.
NFPA Rating (Health, Fire, Reactivity): 0, 1, 0
Hazard Rating: Least - 0 Slight - 1 Moderate - 2 High - 3
Extreme - 4

Inhalation:
Inhalation of vapors (generated at high temperatures only) or oil mist may cause mild irritation of the nose, throat, and respiratory tract.

Eye Irritation:
Lubricating oils are generally considered no more than minimally irritating to the eyes.

Skin Contact:
May cause slight irritation of the skin. If irritation occurs, a temporary burning sensation and minor redness and/or swelling may result. Other adverse effects not expected from brief skin contact.

Ingestion:
Lubricating oils are generally no more than slightly toxic if swallowed.

Other Health Effects:
The International Agency for Research on Cancer (IARC) has determined there is sufficient evidence for the carcinogenicity in experimental animals of used gasoline motor oils. Handling procedures and safety precautions in the MSDS should be followed to minimize exposure to the used product.

Signs and Symptoms:
Irritation as noted above.

Aggravated Medical Conditions:
Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product.

For additional health information, refer to section 11.

SECTION 4 FIRST AID MEASURES

Inhalation:
If the victim has difficulty breathing or tightness of the chest, is dizzy, vomiting or unresponsive, give 100% oxygen with rescue breathing or CPR as required and transport to the nearest medical facility.

Skin:
Remove contaminated clothing and shoes and wipe excess from skin. Flush skin with water, then wash with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. If redness, swelling, pain and/or blisters occur, transport to the nearest medical facility for additional treatment.

Eye:
Flush with water. If irritation occurs, get medical attention.

Ingestion:
DO NOT induce vomiting. In general no treatment is necessary unless large quantities are swallowed, however, get medical advice. Have victim rinse mouth out with water, then drink sips of water to remove taste from mouth. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Note to Physician:
In general, emesis induction is unnecessary in high viscosity, low volatility products such as oils and greases.

SECTION 5 FIRE FIGHTING MEASURES

Flash Point [Method]: >400 °F/>204.44 °C [Cleveland Open Cup]

Extinguishing Media:
Material will float and can be re-ignited on surface of water. Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames. Do not use a direct stream of water.

Fire Fighting Instructions:
Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure, NIOSH approved, self-contained breathing apparatus. This material is non-flammable.

Unusual Fire Hazards:
Material may ignite when preheated.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures:
May burn although not readily ignitable.

Wear appropriate personal protective equipment when cleaning up spills. Refer to Section 8.

Spill Management:
FOR LARGE SPILLS: Remove with vacuum truck or pump to storage/salvage vessels.

FOR SMALL SPILLS: Soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal.

Place in container for proper disposal. Remove contaminated soil to remove contaminated trace residues. Dispose of in same manner as material.

Reporting:
CERCLA: Product is covered by EPA's Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) petroleum exclusion. Releases to air, land, or water are not reportable under CERCLA (Superfund).

CWA: This product is an oil as defined under Section 311 of EPA's Clean Water Act (CWA). Spills into or leading to surface waters that cause a sheen must be reported to the National Response Center, 1-800-424-8802.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures:
Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet. Launder contaminated clothing before reuse. Properly dispose of contaminated leather articles such as shoes or belts that cannot be decontaminated. Avoid heat, open flames, including pilot lights, and strong oxidizing agents. Use explosion-proof ventilation to prevent vapor accumulation. Ground all handling equipment to prevent sparking.

Storage:
Do not store in open or unlabeled containers. Store in a cool, dry place with adequate ventilation. Keep away from open flames and high temperatures.

Container Warnings:
Keep containers closed when not in use. Containers, even those that have been

emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Oil mist, mineral ACGIH TLV TWA: 5 mg/m3 STEL: 10 mg/m3
Oil mist, mineral OSHA PEL TWA: 5 mg/m3

EXPOSURE CONTROLS
Provide adequate ventilation to control airborne concentrations below the exposure guidelines/limits.

PERSONAL PROTECTION
Personal protective equipment (PPE) selections vary based on potential exposure conditions such as handling practices, concentration and ventilation. Information on the selection of eye, skin and respiratory protection for use with this material is provided below.

Eye Protection:
Chemical Goggles, or Safety glasses with side shields

Skin Protection:
Use protective clothing which is chemically resistant to this material. Selection of protective clothing depends on potential exposure conditions and may include gloves, boots, suits and other items. The selection(s) should take into account such factors as job task, type of exposure and durability requirements.

Published literature, test data and/or glove and clothing manufacturers indicate the best protection is provided by:
Neoprene, or Nitrile Rubber
Respiratory Protection:
If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of the OSHA Respiratory Protection Standard, 29 CFR 1910.134.

Types of respirator(s) to be considered in the selection process include:
For Mist: Air Purifying, R or P style NIOSH approved respirator.
For Vapors: Air Purifying, R or P style prefilter & organic cartridge, NIOSH approved respirator. Self-contained breathing apparatus for use in environments with unknown concentrations or emergency situations.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odor: Bright and clear liquid. Mild Hydrocarbon Odor.
Substance Chemical Family: Lubricants
Appearance: Bright and clear liquid.

Flash Point: > 400 °F [Cleveland Open Cup]

Odor: Mild Hydrocarbon Odor.

Physical State: Liquid

Pour Point: > -20 °F

Solubility (in Water): Insoluble

Specific Gravity: 0.85 - 0.95

Viscosity: > 80 cSt @ 40 °C

SECTION 10 REACTIVITY AND STABILITY

Stability:
Material is stable under normal conditions.

Conditions to Avoid:
Avoid heat and open flames.

Materials to Avoid:
Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products:

Thermal decomposition products are highly dependent on combustion conditions. A complex mixture of airborne solids, liquids and gases will evolve when this material undergoes pyrolysis or combustion. Aldehydes, Calcium Oxide, Carbon Monoxide, Carbon Dioxide, Hydrogen Sulfide, Sulfur Oxidesand other unidentified organic compounds may be formed upon combustion.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity
Dermal LD50 >5.0 g/kg(Rabbit) OSHA: Non-Toxic Based on components(s)
Oral LD50 >5.0 g/kg(Rat) OSHA: Non-Toxic Based on components(s)
Carcinogenicity Classification
Motor Oil
NTP: No IARC: Not Reviewed ACGIH: No OSHA: No

SECTION 12 ECOLOGICAL INFORMATION

Environmental Impact Summary:
There is no ecological data available for this product. However, this product is an oil. It is persistent and does not readily biodegrade. However, it does not bioaccumulate.

SECTION 13 DISPOSAL CONSIDERATIONS

RCRA Information:

Under RCRA, it is the responsibility of the user of the material to determine, at the time of the disposal, whether the material meets RCRA criteria for hazardous waste. This is because material uses, transformations, mixtures, processes, etc. may affect the classification. Refer to the latest EPA, state and local regulations regarding proper disposal.

SECTION 14 TRANSPORT INFORMATION

US Department of Transportation Classification
This material is not subject to DOT regulations under 49 CFR Parts 171-180.

Oil: This product is an oil under 49CFR (DOT) Part 130. If shipped by rail or highway in a tank with a capacity of 3500 gallons or more, it is subject to these requirements. Mixtures or solutions containing 10% or more of this product may also be subject to this rule.

International Air Transport Association
Not regulated under IATA rules.

International Maritime Organization Classification
Not regulated under International Maritime Organization rules.

SECTION 15 REGULATORY INFORMATION

FEDERAL REGULATORY STATUS

OSHA Classification:
Under normal conditions of use or in a foreseeable emergency, this product does not meet the definition of a hazardous chemical when evaluated according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Ozone Depleting Substances (40 CFR 82 Clean Air Act):
This material does not contain nor was it directly manufactured with any Class I or Class II ozone depleting substances.

Superfund Amendment & Reauthorization Act (SARA) Title III:
There are no components in this product on the SARA 302 list.

SARA Hazard Categories (311/312):
Immediate Health:NO Delayed Health:NO Fire:NO Pressure:NO
Reactivity:NO

SARA Toxic Release Inventory (TRI) (313):
There are no components in this product on the SARA 313 list.

Toxic Substances Control Act (TSCA) Status:
All component(s) of this material is(are) listed on the EPA/TSCA Inventory of Chemical Substances.

Other Chemical Inventories:
Component(s) of this material is (are) listed on the Australian AICS, Canadian DSL, Chinese Inventory, European EINECS, Korean Inventory, Philippines PICCS,

State Regulation
The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

SECTION 16 OTHER INFORMATION

Revision#: 3
Review Date: 12/11/2006
Revision Date: 12/11/2006
Revisions since last change (discussion): This Material Safety Data Sheet (MSDS) has recently been reviewed to fully comply with the guidance contained in the ANSI MSDS standard (ANSI Z400.1-2003). We encourage you to take the opportunity to read the MSDS and review the information contained therein.

SECTION 17 LABEL INFORMATION

READ AND UNDERSTAND MATERIAL SAFETY DATA SHEET BEFORE HANDLING OR DISPOSING OF PRODUCT. THIS LABEL COMPLIES WITH THE REQUIREMENTS OF THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200) FOR USE IN THE WORKPLACE. THIS LABEL IS NOT INTENDED TO BE USED WITH PACKAGING INTENDED FOR SALE TO CONSUMERS AND MAY NOT CONFORM WITH THE REQUIREMENTS OF THE CONSUMER PRODUCT SAFETY ACT OR OTHER RELATED REGULATORY REQUIREMENTS.

PRODUCT CODE(S): 54269, 5426910001

RIMULA® Premium SAE 15W40

ATTENTION!

PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE OIL ACNE OR DERMATITIS. USED GASOLINE ENGINE OIL HAS BEEN SHOWN TO CAUSE CANCER IN LABORATORY ANIMALS.

Precautionary Measures:
Avoid prolonged or repeated contact with eyes, skin and clothing. Avoid breathing of vapors, fumes, or mist. Use only with adequate ventilation. Wash thoroughly after handling.

FIRST AID
Inhalation: If the victim has difficulty breathing or tightness of the chest, is dizzy, vomiting or unresponsive, give 100% oxygen with rescue breathing or CPR as required and transport to the nearest medical facility.
Skin Contact: Remove contaminated clothing and shoes and wipe excess from

skin. Flush skin with water, then wash with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. If redness, swelling, pain and/or blisters occur, transport to the nearest medical facility for additional treatment.
Eye Contact: Flush with water. If irritation occurs, get medical attention.
Ingestion: DO NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Have victim rinse mouth out with water, then drink sips of water to remove taste from mouth. In general no treatment is necessary unless large quantities are swallowed, however, get medical advice.

FIRE

In case of fire, Use water fog, 'alcohol foam', dry chemical or carbon dioxide (CO2) to extinguish flames. Do not use a direct stream of water. Material will float and can be re-ignited on surface of water.
SPILL OR LEAK
Dike and contain spill.
FOR LARGE SPILLS: Remove with vacuum truck or pump to storage/salvage vessels.

FOR SMALL SPILLS: Soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal.

CONTAINS: Highly refined petroleum base oils, Mixture; Proprietary additives (contains 1% zinc compounds), Mixture

NFPA Rating (Health, Fire, Reactivity): 0, 1, 0

TRANSPORTATION

US Department of Transportation Classification
This material is not subject to DOT regulations under 49 CFR Parts 171-180.

Oil: This product is an oil under 49CFR (DOT) Part 130. If shipped by rail or highway in a tank with a capacity of 3500 gallons or more, it is subject to these requirements. Mixtures or solutions containing 10% or more of this product may also be subject to this rule.

CAUTION: Misuse of empty containers can be hazardous. Empty containers can be hazardous if used to store toxic, flammable, or reactive materials. Cutting or welding of empty containers might cause fire, explosion or toxic fumes from residues. Do not pressurize or expose to open flames or heat. Keep container closed and drum bungs in place.

Name and Address
SOPUS Products
P.O. Box 4427
Houston, TX 77210-4427

ADMINISTRATIVE INFORMATION
MANUFACTURER ADDRESS: SOPUS Products, P.O. Box 4427, Houston, TX. 77210-4427

THE INFORMATION CONTAINED IN THIS DATA SHEET IS BASED ON THE DATA AVAILABLE TO US AT THIS TIME, AND IS BELIEVED TO BE ACCURATE BASED UPON THAT : IT IS PROVIDED INDEPENDENTLY OF ANY SALE OF THE PRODUCT, FOR PURPOSE OF HAZARD COMMUNICATION. IT IS NOT INTENDED TO CONSTITUTE PRODUCT PERFORMANCE

INFORMATION, AND NO EXPRESS OR IMPLIED WARRANTY OF ANY KIND IS MADE WITH RESPECT TO THE PRODUCT, UNDERLYING DATA OR THE INFORMATION CONTAINED HEREIN. YOU ARE URGED TO OBTAIN DATA SHEETS FOR ALL PRODUCTS YOU BUY, PROCESS, USE OR DISTRIBUTE, AND ARE ENCOURAGED TO ADVISE THOSE WHO MAY COME IN CONTACT WITH SUCH PRODUCTS OF THE INFORMATION CONTAINED HEREIN.

TO DETERMINE THE APPLICABILITY OR EFFECT OF ANY LAW OR REGULATION WITH RESPECT TO THE PRODUCT, YOU SHOULD CONSULT WITH YOUR LEGAL ADVISOR OR THE APPROPRIATE GOVERNMENT AGENCY. WE WILL NOT PROVIDE ADVICE ON SUCH MATTERS, OR BE RESPONSIBLE FOR ANY INJURY FROM THE USE OF THE PRODUCT DESCRIBED HEREIN. THE UNDERLYING DATA, AND THE INFORMATION PROVIDED HEREIN AS A RESULT OF THAT DATA, IS THE PROPERTY OF SOPUS PRODUCTS AND IS NOT TO BE THE SUBJECT OF SALE OR EXCHANGE WITHOUT THE EXPRESS WRITTEN CONSENT OF SOPUS PRODUCTS.

44839-29863-100R-12/11/2006

ENVIRONMENTAL INCIDENT REPORT

Date/Time: June 23, 2011/1330	**Name/ Title**: Lorie Palkow/CEL **Signature**: Lorie Palkow

Incident Description: On June 23, 2011 around 0900 Lorie Palkow was notified by Kelly Murphy that one of their scrapers had a hydraulic leak in Unit II. The operator was quick to respond and the impact to the ground was minimized. Less than half a quart was released to the ground. The impacted soil was removed and will be sent off site for disposal.

Location Of Incident: Ivanpah II	**Date/Time of Release**: June 23, 2011/0830
Personnel/ Subcontractor Involved: Tony Hall and Marvin Zafra /LVP	**Date/Time Release Stopped:** June 23, 2011/immediately
Containment: The impacted soil was shoveled up and will be placed in a 55 gallon drum for proper disposal	**Product ID or CAS Number:** 15W-40 hydraulic oil **Total Amount Released (units):** Less than half a quart
Date/Time Construction Environmental Lead Notified: June 23, 2011/0900 **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: The impacted soil was removed and put in a 55 gallon drum for future disposal.

Measures to Prevent Recurrence: The operator responded instantly by shutting off the equipment and putting down spill pads. Most of the oil was prevented from impacted the ground. This is an example of the procedure being followed and a larger event being prevented.

Hydraulic Leak

Leaking Equipment

Impacted Soil

Impacted Soil

Clean Up Activities

Area After Clean Up

Area After Clean Up

Print Close

MATERIAL SAFETY DATA SHEET
Review Date: 12/11/2006

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: RIMULA® Premium SAE 15W40

MSDS NUMBER: 400843L - 3
PRODUCT CODE(S): 54269, 5426910001

MANUFACTURER ADDRESS: SOPUS Products, P.O. Box 4427, Houston, TX. 77210-4427

TELEPHONE NUMBERS
Spill Information: (877) 242-7400
Health Information: (877) 504-9351
MSDS Assistance Number: (877) 276-7285

SECTION 2 PRODUCT/INGREDIENTS

CAS#	CONCENTRATION	INGREDIENTS
		Motor Oil
Mixture	95 - 98.99 %weight	Highly refined petroleum base oils
Mixture	1 - 4.99 %weight	Proprietary additives (contains 1% zinc compounds)

SECTION 3 HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Appearance & Odor: Bright and clear liquid. Mild Hydrocarbon Odor.
Health Hazards: No known immediate health hazards.
Physical Hazards: No known physical hazards.
NFPA Rating (Health, Fire, Reactivity): 0, 1, 0
Hazard Rating: Least - 0 Slight - 1 Moderate - 2 High - 3
Extreme - 4

Inhalation:
Inhalation of vapors (generated at high temperatures only) or oil mist may cause mild irritation of the nose, throat, and respiratory tract.

Eye Irritation:
Lubricating oils are generally considered no more than minimally irritating to the eyes.

Skin Contact:
May cause slight irritation of the skin. If irritation occurs, a temporary burning sensation and minor redness and/or swelling may result. Other adverse effects not expected from brief skin contact.

Ingestion:
Lubricating oils are generally no more than slightly toxic if swallowed.

Other Health Effects:
The International Agency for Research on Cancer (IARC) has determined there is sufficient evidence for the carcinogenicity in experimental animals of used gasoline motor oils. Handling procedures and safety precautions in the MSDS should be followed to minimize exposure to the used product.

Signs and Symptoms:
Irritation as noted above.

Aggravated Medical Conditions:
Pre-existing eye, skin and respiratory disorders may be aggravated by exposure to this product.

For additional health information, refer to section 11.

SECTION 4 FIRST AID MEASURES

Inhalation:
If the victim has difficulty breathing or tightness of the chest, is dizzy, vomiting or unresponsive, give 100% oxygen with rescue breathing or CPR as required and transport to the nearest medical facility.

Skin:
Remove contaminated clothing and shoes and wipe excess from skin. Flush skin with water, then wash with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. If redness, swelling, pain and/or blisters occur, transport to the nearest medical facility for additional treatment.

Eye:
Flush with water. If irritation occurs, get medical attention.

Ingestion:
DO NOT induce vomiting. In general no treatment is necessary unless large quantities are swallowed, however, get medical advice. Have victim rinse mouth out with water, then drink sips of water to remove taste from mouth. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Note to Physician:
In general, emesis induction is unnecessary in high viscosity, low volatility products such as oils and greases.

SECTION 5 FIRE FIGHTING MEASURES

Flash Point [Method]: >400 °F/>204.44 °C [Cleveland Open Cup]

Extinguishing Media:
Material will float and can be re-ignited on surface of water. Use water fog, foam, dry chemical or carbon dioxide (CO2) to extinguish flames. Do not use a direct stream of water.

Fire Fighting Instructions:
Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure, NIOSH approved, self-contained breathing apparatus. This material is non-flammable.

Unusual Fire Hazards:
Material may ignite when preheated.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Protective Measures:
May burn although not readily ignitable.

Wear appropriate personal protective equipment when cleaning up spills. Refer to Section 8.

Spill Management:
FOR LARGE SPILLS: Remove with vacuum truck or pump to storage/salvage vessels.

FOR SMALL SPILLS: Soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal.

Place in container for proper disposal. Remove contaminated soil to remove contaminated trace residues. Dispose of in same manner as material.

Reporting:
CERCLA: Product is covered by EPA's Comprehensive Environmental Response, Compensation and Liability Act (CERCLA) petroleum exclusion. Releases to air, land, or water are not reportable under CERCLA (Superfund).

CWA: This product is an oil as defined under Section 311 of EPA's Clean Water Act (CWA). Spills into or leading to surface waters that cause a sheen must be reported to the National Response Center, 1-800-424-8802.

SECTION 7 HANDLING AND STORAGE

Precautionary Measures:
Wash with soap and water before eating, drinking, smoking, applying cosmetics, or using toilet. Launder contaminated clothing before reuse. Properly dispose of contaminated leather articles such as shoes or belts that cannot be decontaminated. Avoid heat, open flames, including pilot lights, and strong oxidizing agents. Use explosion-proof ventilation to prevent vapor accumulation. Ground all handling equipment to prevent sparking.

Storage:
Do not store in open or unlabeled containers. Store in a cool, dry place with adequate ventilation. Keep away from open flames and high temperatures.

Container Warnings:
Keep containers closed when not in use. Containers, even those that have been

emptied, can contain explosive vapors. Do not cut, drill, grind, weld or perform similar operations on or near containers.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Oil mist, mineral ACGIH TLV TWA: 5 mg/m3 STEL: 10 mg/m3
Oil mist, mineral OSHA PEL TWA: 5 mg/m3

EXPOSURE CONTROLS
Provide adequate ventilation to control airborne concentrations below the exposure guidelines/limits.

PERSONAL PROTECTION
Personal protective equipment (PPE) selections vary based on potential exposure conditions such as handling practices, concentration and ventilation. Information on the selection of eye, skin and respiratory protection for use with this material is provided below.

Eye Protection:
Chemical Goggles, or Safety glasses with side shields

Skin Protection:
Use protective clothing which is chemically resistant to this material. Selection of protective clothing depends on potential exposure conditions and may include gloves, boots, suits and other items. The selection(s) should take into account such factors as job task, type of exposure and durability requirements.

Published literature, test data and/or glove and clothing manufacturers indicate the best protection is provided by:
Neoprene, or Nitrile Rubber
Respiratory Protection:
If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, an approved respirator must be worn. Respirator selection, use and maintenance should be in accordance with the requirements of the OSHA Respiratory Protection Standard, 29 CFR 1910.134.

Types of respirator(s) to be considered in the selection process include:
For Mist: Air Purifying, R or P style NIOSH approved respirator.
For Vapors: Air Purifying, R or P style prefilter & organic cartridge, NIOSH approved respirator. Self-contained breathing apparatus for use in environments with unknown concentrations or emergency situations.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odor: Bright and clear liquid. Mild Hydrocarbon Odor.
Substance Chemical Family: Lubricants
Appearance: Bright and clear liquid.

Flash Point: > 400 °F [Cleveland Open Cup]

Odor: Mild Hydrocarbon Odor.

Physical State: Liquid

Pour Point: > -20 °F

Solubility (in Water): Insoluble

Specific Gravity: 0.85 - 0.95

Viscosity: > 80 cSt @ 40 °C

SECTION 10 REACTIVITY AND STABILITY

Stability:
Material is stable under normal conditions.

Conditions to Avoid:
Avoid heat and open flames.

Materials to Avoid:
Avoid contact with strong oxidizing agents.

Hazardous Decomposition Products:

Thermal decomposition products are highly dependent on combustion conditions. A complex mixture of airborne solids, liquids and gases will evolve when this material undergoes pyrolysis or combustion. Aldehydes, Calcium Oxide, Carbon Monoxide, Carbon Dioxide, Hydrogen Sulfide, Sulfur Oxidesand other unidentified organic compounds may be formed upon combustion.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Toxicity
Dermal LD50 >5.0 g/kg(Rabbit) OSHA: Non-Toxic Based on components(s)
Oral LD50 >5.0 g/kg(Rat) OSHA: Non-Toxic Based on components(s)
Carcinogenicity Classification
Motor Oil
NTP: No IARC: Not Reviewed ACGIH: No OSHA: No

SECTION 12 ECOLOGICAL INFORMATION

Environmental Impact Summary:
There is no ecological data available for this product. However, this product is an oil. It is persistent and does not readily biodegrade. However, it does not bioaccumulate.

SECTION 13 DISPOSAL CONSIDERATIONS

RCRA Information:

Under RCRA, it is the responsibility of the user of the material to determine, at the time of the disposal, whether the material meets RCRA criteria for hazardous waste. This is because material uses, transformations, mixtures, processes, etc. may affect the classification. Refer to the latest EPA, state and local regulations regarding proper disposal.

SECTION 14 TRANSPORT INFORMATION

US Department of Transportation Classification
This material is not subject to DOT regulations under 49 CFR Parts 171-180.

Oil: This product is an oil under 49CFR (DOT) Part 130. If shipped by rail or highway in a tank with a capacity of 3500 gallons or more, it is subject to these requirements. Mixtures or solutions containing 10% or more of this product may also be subject to this rule.

International Air Transport Association
Not regulated under IATA rules.

International Maritime Organization Classification
Not regulated under International Maritime Organization rules.

SECTION 15 REGULATORY INFORMATION

FEDERAL REGULATORY STATUS

OSHA Classification:
Under normal conditions of use or in a foreseeable emergency, this product does not meet the definition of a hazardous chemical when evaluated according to the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Ozone Depleting Substances (40 CFR 82 Clean Air Act):
This material does not contain nor was it directly manufactured with any Class I or Class II ozone depleting substances.

Superfund Amendment & Reauthorization Act (SARA) Title III:
There are no components in this product on the SARA 302 list.

SARA Hazard Categories (311/312):
Immediate Health:NO Delayed Health:NO Fire:NO Pressure:NO
Reactivity:NO

SARA Toxic Release Inventory (TRI) (313):
There are no components in this product on the SARA 313 list.

Toxic Substances Control Act (TSCA) Status:
All component(s) of this material is(are) listed on the EPA/TSCA Inventory of Chemical Substances.

Other Chemical Inventories:
Component(s) of this material is (are) listed on the Australian AICS, Canadian DSL, Chinese Inventory, European EINECS, Korean Inventory, Philippines PICCS,

State Regulation
The following chemicals are specifically listed by individual states; other product specific health and safety data in other sections of the MSDS may also be applicable for state requirements. For details on your regulatory requirements you should contact the appropriate agency in your state.

SECTION 16 OTHER INFORMATION

Revision#: 3
Review Date: 12/11/2006
Revision Date: 12/11/2006
Revisions since last change (discussion): This Material Safety Data Sheet (MSDS) has recently been reviewed to fully comply with the guidance contained in the ANSI MSDS standard (ANSI Z400.1-2003). We encourage you to take the opportunity to read the MSDS and review the information contained therein.

SECTION 17 LABEL INFORMATION

READ AND UNDERSTAND MATERIAL SAFETY DATA SHEET BEFORE HANDLING OR DISPOSING OF PRODUCT. THIS LABEL COMPLIES WITH THE REQUIREMENTS OF THE OSHA HAZARD COMMUNICATION STANDARD (29 CFR 1910.1200) FOR USE IN THE WORKPLACE. THIS LABEL IS NOT INTENDED TO BE USED WITH PACKAGING INTENDED FOR SALE TO CONSUMERS AND MAY NOT CONFORM WITH THE REQUIREMENTS OF THE CONSUMER PRODUCT SAFETY ACT OR OTHER RELATED REGULATORY REQUIREMENTS.

PRODUCT CODE(S): 54269, 5426910001

RIMULA® Premium SAE 15W40

ATTENTION!

PROLONGED OR REPEATED SKIN CONTACT MAY CAUSE OIL ACNE OR DERMATITIS. USED GASOLINE ENGINE OIL HAS BEEN SHOWN TO CAUSE CANCER IN LABORATORY ANIMALS.

Precautionary Measures:
Avoid prolonged or repeated contact with eyes, skin and clothing. Avoid breathing of vapors, fumes, or mist. Use only with adequate ventilation. Wash thoroughly after handling.

FIRST AID
Inhalation: If the victim has difficulty breathing or tightness of the chest, is dizzy, vomiting or unresponsive, give 100% oxygen with rescue breathing or CPR as required and transport to the nearest medical facility.
Skin Contact: Remove contaminated clothing and shoes and wipe excess from

skin. Flush skin with water, then wash with soap and water. If irritation occurs, get medical attention. Do not reuse clothing until cleaned. If redness, swelling, pain and/or blisters occur, transport to the nearest medical facility for additional treatment.
Eye Contact: Flush with water. If irritation occurs, get medical attention.
Ingestion: DO NOT induce vomiting. If vomiting occurs spontaneously, keep head below hips to prevent aspiration. Have victim rinse mouth out with water, then drink sips of water to remove taste from mouth. In general no treatment is necessary unless large quantities are swallowed, however, get medical advice.

FIRE

In case of fire, Use water fog, 'alcohol foam', dry chemical or carbon dioxide (CO2) to extinguish flames. Do not use a direct stream of water. Material will float and can be re-ignited on surface of water.
SPILL OR LEAK
Dike and contain spill.
FOR LARGE SPILLS: Remove with vacuum truck or pump to storage/salvage vessels.

FOR SMALL SPILLS: Soak up residue with an absorbent such as clay, sand or other suitable material. Place in non-leaking container and seal tightly for proper disposal.

CONTAINS: Highly refined petroleum base oils, Mixture; Proprietary additives (contains 1% zinc compounds), Mixture

NFPA Rating (Health, Fire, Reactivity): 0, 1, 0

TRANSPORTATION

US Department of Transportation Classification
This material is not subject to DOT regulations under 49 CFR Parts 171-180.

Oil: This product is an oil under 49CFR (DOT) Part 130. If shipped by rail or highway in a tank with a capacity of 3500 gallons or more, it is subject to these requirements. Mixtures or solutions containing 10% or more of this product may also be subject to this rule.

CAUTION: Misuse of empty containers can be hazardous. Empty containers can be hazardous if used to store toxic, flammable, or reactive materials. Cutting or welding of empty containers might cause fire, explosion or toxic fumes from residues. Do not pressurize or expose to open flames or heat. Keep container closed and drum bungs in place.

Name and Address
SOPUS Products
P.O. Box 4427
Houston, TX 77210-4427

ADMINISTRATIVE INFORMATION
MANUFACTURER ADDRESS: SOPUS Products, P.O. Box 4427, Houston, TX. 77210-4427

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INFORMATION, AND NO EXPRESS OR IMPLIED WARRANTY OF ANY KIND IS MADE WITH RESPECT TO THE PRODUCT, UNDERLYING DATA OR THE INFORMATION CONTAINED HEREIN. YOU ARE URGED TO OBTAIN DATA SHEETS FOR ALL PRODUCTS YOU BUY, PROCESS, USE OR DISTRIBUTE, AND ARE ENCOURAGED TO ADVISE THOSE WHO MAY COME IN CONTACT WITH SUCH PRODUCTS OF THE INFORMATION CONTAINED HEREIN.

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44839-29863-100R-12/11/2006

ENVIRONMENTAL INCIDENT REPORT

Date/Time: June 23, 2011/1445	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On June 23, 2011 around 0945 Lorie Palkow was notified that one of the pylon insertion machines had a small hydraulic leak. While inserting a pylon, a hydraulic hose came loose causing a small spray of oil. The equipment was immediately stopped and the leak was addressed. The impacted soil was removed and placed into a 55 gallon drum for disposal.

Location Of Incident: Ivanpah I heliostat field	**Date/Time of Release**: June 23, 2011/0945
Personnel/ Subcontractor Involved: Dan Carter/Bechtel	**Date/Time Release Stopped:** June 23, 2011/Immediately
Containment: Approximately 1 gallon of soil was removed and placed in a 55 gallon drum for proper disposal	**Product ID or CAS Number:** Hydraulic Oil Product Number 273279 **Total Amount Released (units):** Less than an ounce
Date/Time Construction Environmental Lead Notified: June 23, 2011/0945 **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: The impacted soil was shoveled into a 55 gallon drum for disposal.

Measures to Prevent Recurrence: The best prevention for this is routine maintenance. The equipment was stopped instantly and the leak was immediately contained. The proper response prevented a larger issue.

Hydraulic Spray

Hydraulic Spray

Hydraulic Spray

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.

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: June 27, 2011/1100	**Name/ Title**: Lorie Palkow/CEL **Signature**: Lorie Palkow

Incident Description: On June 27, 2011 around 0545 Lorie Palkow was notified that a diesel spill had occurred in the lay down yard. A rock truck had been fueled sometime during the weekend, and the truck was not used over the weekend. Upon arriving at the truck Monday morning, the operator discovered that the truck had been over filled and some diesel had spilled on to the ground. The impacted soil was placed in a 55 gallon drum for proper disposal.

Location Of Incident: Common East in the lay down yard	**Date/Time of Release**: Unknown
Personnel/ Subcontractor Involved: Bill Noren /Bechtel	**Date/Time Release Stopped:** Unknown
Containment: The 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):** Less than half a gallon
Date/Time Construction Environmental Lead Notified: June 27, 2011/0545 **Person Contacted:** **Notes**: 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: The impacted soil was removed and placed into a 55 gallon drum for disposal.

Measures to Prevent Recurrence: The equipment operators have spoken to fuel truck operators and asked them only to fill up the equipment part way if they are not going to be used over the weekend.

Diesel Impact

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

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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: June 29, 2011/0845	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On June 29, 2011 around 0730 Lorie Palkow was notified by Jose Partida that a diesel spill had occurred in the lay down yard. The diesel in a rock truck had expanded due to the heat and overflowed on to the ground. The impacted soil was removed and placed in a 55 gallon drum for proper disposal.

Location Of Incident: Common East in the lay down yard	**Date/Time of Release**: June 29, 2011/0715
Personnel/ Subcontractor Involved: Jose Partida/Bechtel	**Date/Time Release Stopped:** Immediately
Containment: The 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):** Less than two gallons
Date/Time Construction Environmental Lead Notified: June 29, 2011/0730 **Person Contacted:** **Notes**: 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: Approximately 30 gallons of impacted soil was removed and placed into a 55 gallon drum for disposal.

Measures to Prevent Recurrence: The equipment operators have spoken to the fuel truck operators and asked them not to fill the equipment all the way up. In addition, spill pans are being placed under the equipment that is not going to be in use.

Diesel Impacted Area

Diesel Impacted Area

Clean Up Efforts

Clean Up Efforts

Area After Clean Up

Area After Clean Up

Area After Clean Up and Backfill

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

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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: June 29, 2011/1300	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On June 29, 2011 around 0800 Lorie Palkow was notified by Tony Sheley of the Bechtel Safety Department that the well generator had an oil leak. Tony was at the generator location when the leak was contained and addressed by the mechanics. It appears there was an issue with an oil filter than caused some over flowing. A spill pan and leak prevention pads were under the generator, however, they did not contain all of the leak. The impacted soil was removed and will be placed in a 55 gallon drum for proper disposal.

Location Of Incident: Common West under well generator	**Date/Time of Release**: June 29, 2011/0730
Personnel/ Subcontractor Involved: Bechtel	**Date/Time Release Stopped:** June 29, 2011/0800
Containment: The impacted soil was removed and placed in a 55 gallon drum for proper disposal	**Product ID or CAS Number:** NAPA Motor Oil Product Code NP75100 and water **Total Amount Released (units):** Less than a gallon
Date/Time Construction Environmental Lead Notified: June 29, 2011/0800 **Person Contacted:** Lorie Palkow **Notes**: Tony Sheley from safety was notified initially	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: The impacted soil was placed into a 55 gallon drum for disposal.

Measures to Prevent Recurrence: The mechanical issue has been repaired and the drip pad system and drip pans have been left under the generator.

Generator Leak Contained

Oil Leak

Area After Clean Up

ASHLAND

SAFETY DATA SHEET

Revision Date: 09/09/2010
Print Date: 9/13/2010
MSDS Number: R0164091
Version: 4.0

NAPA® PREM PERF SAE 10W-40 MOTOR OIL
NP75100

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Ashland P.O. Box 2219 Columbus, OH 43216	Regulatory Information Number Telephone Emergency telephone number	1-800-325-3751 614-790-3333 1-800-ASHLAND (1-800-274-5263)

Product name NAPA® PREM PERF SAE 10W-40 MOTOR OIL

Product code NP75100
Product Use Description No data

2. HAZARDS IDENTIFICATION

Emergency Overview

Appearance: liquid, amber

CAUTION! PROLONGED OR REPEATED CONTACT MAY DRY THE SKIN AND CAUSE IRRITATION AND BURNS.

Potential Health Effects

Exposure routes
Inhalation, Skin absorption, Skin contact, Eye Contact, Ingestion

Eye contact
May cause mild eye irritation. Symptoms include stinging, tearing, and redness.

Skin contact
May cause mild skin irritation. Symptoms may include redness and burning of skin. Prolonged or repeated contact may dry the skin. Symptoms may include redness, burning, and drying and cracking of skin, skin burns, and other skin damage.

Ingestion
Swallowing small amounts of this material during normal handling is not likely to cause harmful effects. Swallowing large amounts may be harmful.

Inhalation

It is possible to breathe this material under certain conditions of handling and use (for example, during heating, spraying, or stirring). Breathing small amounts of this material during normal handling is not likely to cause harmful effects. Breathing large amounts may be harmful. Symptoms are not expected at air concentrations below the recommended exposure limits, if applicable (see Section 8.).

Aggravated Medical Condition

Preexisting disorders of the following organs (or organ systems) may be aggravated by exposure to this material:, Skin, lung (for example, asthma-like conditions)

Symptoms

Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include:, acne, stomach or intestinal upset (nausea, vomiting, diarrhea), irritation (nose, throat, airways)

Target Organs

No data

Carcinogenicity

This material is not listed as a carcinogen by the International Agency for Research on Cancer (IARC), the National Toxicology Program (NTP), or the Occupational Safety and Health Administration (OSHA). Used motor oil has been shown to cause skin cancer in laboratory animals continually exposed by repeated applications. Avoid prolonged or repeated skin contact.

Reproductive hazard

There are no data available for assessing risk to the fetus from maternal exposure to this material.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components	CAS-No.	Concentration
HEAVY PARAFFINIC DISTILLATE	64742-54-7	>=60-<70%
HEAVY PARAFFINIC DISTILLATE	64742-54-7	>=20-<30%

4. FIRST AID MEASURES

Eyes

If symptoms develop, move individual away from exposure and into fresh air. Flush eyes gently with water while holding eyelids apart. If symptoms persist or there is any visual difficulty, seek medical attention.

Skin

Remove contaminated clothing. Wash exposed area with soap and water. If symptoms persist, seek medical attention. Launder clothing before reuse.

Ingestion

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth; place individual on the left side with the head down. Contact a physician, medical facility, or poison control center for advice about whether to induce vomiting. If possible, do not leave individual unattended.

Inhalation

If symptoms develop, move individual away from exposure and into fresh air. If symptoms persist, seek medical attention. If breathing is difficult, administer oxygen. Keep person warm and quiet; seek immediate medical attention.

Notes to physician

Hazards: Acute aspiration of large amounts of oil-laden material may produce a serious aspiration pneumonia. Patients who aspirate these oils should be followed for the development of long-term sequelae. Repeated aspiration of small quantities of mineral oil can produce chronic inflammation of the lungs (i.e. lipoid pneumonia) that may progress to pulmonary fibrosis. Symptoms are often subtle and radiological changes appear worse than clinical abnormalities. Occasionally, persistent cough, irritation of the upper respiratory tract, shortness of breath with exertion, fever, and bloody sputum occur. Inhalation exposure to oil mists below current workplace exposure limits is unlikely to cause pulmonary abnormalities.

Treatment: No information available.

5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

Dry chemical, Carbon dioxide (CO2), Water spray

Hazardous combustion products

carbon dioxide and carbon monoxide, Hydrocarbons

Precautions for fire-fighting

Wear full firefighting turn-out gear (full Bunker gear), and respiratory protection (SCBA). DO NOT direct a solid stream of water or foam into hot, burning pools of liquid since this may cause frothing and increase fire intensity. Frothing can be violent and possibly endanger any firefighter standing too close to the burning liquid. Use water spray to cool fire exposed containers and structures until fire is out if it can be done with minimal risk. Avoid spreading burning material with water used for cooling purposes.

NFPA Flammable and Combustible Liquids Classification

Combustible Liquid Class IIIB

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

For personal protection see section 8. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.

Environmental precautions

Prevent spreading over a wide area (e.g. by containment or oil barriers). Do not let product enter drains. Do not flush into surface water or sanitary sewer system.

Methods for cleaning up

Keep in suitable, closed containers for disposal. Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Other information

Comply with all applicable federal, state, and local regulations.

7. HANDLING AND STORAGE

Handling

Containers of this material may be hazardous when emptied. Since emptied containers retain product residues (vapor, liquid, and/or solid), all hazard precautions given in the data sheet must be observed.

Storage

Store in a cool, dry, ventilated area.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Guidelines

HYDROTREATED PARAFFINIC DISTILLATE, DEWAXED

General advice

These recommendations provide general guidance for handling this product. Personal protective equipment should be selected for individual applications and should consider factors which affect exposure potential, such as handling practices, chemical concentrations and ventilation. It is ultimately the responsibility of the employer to follow regulatory guidelines established by local authorities.

Exposure controls

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Eye protection

Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

Skin and body protection

Wear normal work clothing including long pants, long-sleeved shirts and foot covering to prevent direct contact of the product with the skin. Launder clothing before reuse. If skin irritation develops, contact your facility health and safety professional or your local safety equipment supplier to determine the proper personal protective equipment for your use.
Wear resistant gloves (consult your safety equipment supplier).

Respiratory protection

A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state	liquid
Form	no data available
Colour	amber
Odour	hydrocarbon-like
Boiling point/boiling range	570.00 °F / 298.89 °C @ 760.00 mmHg
Melting point/range	no data available
Sublimation point	no data available
pH	no data available
Flash point	(>)390 °F / 199 °C Cleveland open cup
Ignition temperature	no data available
Evaporation rate	1 Ethyl Ether
Lower explosion limit/Upper explosion limit	no data available
Particle size	no data available
Vapour pressure	no data available
Relative vapour density	no data available
Density	0.8690 g/cm3 @ 60.01 °F / 15.56 °C 7.34 lb/gal @ 60.00 °F / 15.56 °C
Bulk density	No data
Water solubility	no data available
Solubility	no data available
Partition coefficient: n-octanol/water	no data available
log Pow	no data available
Autoignition temperature	no data available
Viscosity, dynamic	no data available
Viscosity, kinematic	14 mm2/s
Solids in Solution	no data available
Decomposition temperature	no data available
Burning number	no data available
Dust explosion constant	no data available
Minimum ignition energy	no data available

10. STABILITY AND REACTIVITY

Stability

Stable.

Conditions to avoid

None known.

Incompatible products
Strong oxidizing agents

Hazardous decomposition products
carbon dioxide and carbon monoxide, Hydrocarbons

Hazardous reactions
Product will not undergo hazardous polymerization.

Thermal decomposition
No data

11. TOXICOLOGICAL INFORMATION

Acute oral toxicity

HEAVY PARAFFINIC DISTILLATE	:	LD 50 Rat: > 15 g/kg
HEAVY PARAFFINIC DISTILLATE	:	LD 50 Rat: > 15 g/kg

Acute inhalation toxicity

HEAVY PARAFFINIC DISTILLATE	:	no data available
HEAVY PARAFFINIC DISTILLATE	:	no data available

Acute dermal toxicity

HEAVY PARAFFINIC DISTILLATE	:	LD 50 Rabbit: > 5 g/kg
HEAVY PARAFFINIC DISTILLATE	:	LD 50 Rabbit: > 5 g/kg

12. ECOLOGICAL INFORMATION

Biodegradability

HEAVY PARAFFINIC DISTILLATE	:	no data available

HEAVY PARAFFINIC DISTILLATE	:	no data available

Bioaccumulation

HEAVY PARAFFINIC DISTILLATE	:	no data available
HEAVY PARAFFINIC DISTILLATE	:	no data available

Ecotoxicity effects

Toxicity to fish

HEAVY PARAFFINIC DISTILLATE	:	no data available
HEAVY PARAFFINIC DISTILLATE	:	no data available

Toxicity to daphnia and other aquatic invertebrates.

HEAVY PARAFFINIC DISTILLATE	:	no data available
HEAVY PARAFFINIC DISTILLATE	:	no data available

Toxicity to algae

HEAVY PARAFFINIC DISTILLATE	:	no data available
HEAVY PARAFFINIC DISTILLATE	:	no data available

Toxicity to bacteria

HEAVY PARAFFINIC DISTILLATE	:	no data available
HEAVY PARAFFINIC DISTILLATE	:	no data available

Biochemical Oxygen Demand (BOD)

HEAVY PARAFFINIC DISTILLATE	:	no data available
HEAVY PARAFFINIC DISTILLATE	:	no data available

Chemical Oxygen Demand (COD)

HEAVY PARAFFINIC DISTILLATE	:	no data available
HEAVY PARAFFINIC DISTILLATE	:	no data available

Additional ecological information

HEAVY PARAFFINIC DISTILLATE	:	no data available
HEAVY PARAFFINIC DISTILLATE	:	no data available

13. DISPOSAL CONSIDERATIONS

Waste disposal methods

Dispose of in accordance with all applicable local, state and federal regulations. For assistance with your waste management needs - including disposal, recycling and waste stream reduction, contact Ashland Distribution's Environmental Services Group at 800-637-7922.

14. TRANSPORT INFORMATION

REGULATION

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT / LTD. QTY.

MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - PASSENGER

Not dangerous goods

INTERNATIONAL AIR TRANSPORT ASSOCIATION - CARGO

Not dangerous goods

INTERNATIONAL MARITIME DANGEROUS GOODS

Not dangerous goods

TRANSPORT CANADA - INLAND WATERWAYS

Not dangerous goods

NAPA® PREM PERF SAE 10W-40 MOTOR OIL
NP75100

TRANSPORT CANADA - RAIL

Not dangerous goods

TRANSPORT CANADA - ROAD

Not dangerous goods

U.S. DOT - INLAND WATERWAYS

Not dangerous goods

U.S. DOT - RAIL

Not dangerous goods

U.S. DOT - ROAD

Not dangerous goods

***ORM = ORM-D, CBL = COMBUSTIBLE LIQUID**

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

15. REGULATORY INFORMATION

California Prop. 65

Proposition 65 warnings are not required for this product based on the results of a risk assessment.	

SARA Hazard Classification
No SARA Hazards

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

New Jersey RTK Label Information

HEAVY PARAFFINIC DISTILLATE	64742-54-7
HEAVY PARAFFINIC DISTILLATE	64742-54-7

HYDROTREATED PARAFFINIC DISTILLATE, DEWAXED
POLYOLEFIN AMIDE ALKENEAMINE
LUBRICANT ADDITIVE

Pennsylvania RTK Label Information

HEAVY PARAFFINIC DISTILLATE	64742-54-7
HEAVY PARAFFINIC DISTILLATE	64742-54-7
HYDROTREATED PARAFFINIC DISTILLATE, DEWAXED	

Notification status

US. Toxic Substances Control Act	y (positive listing)
Canada. Canadian Environmental Protection Act (CEPA). Domestic Substances List (DSL). (Can. Gaz. Part II, Vol. 133)	y (positive listing)
Australia. Industrial Chemical (Notification and Assessment) Act	y (positive listing)
New Zealand. Inventory of Chemicals (NZIoC), as published by ERMA New Zealand	n (Negative listing)
Japan. Kashin-Hou Law List	e (special case)
Korea. Toxic Chemical Control Law (TCCL) List	y (positive listing)
Philippines. The Toxic Substances and Hazardous and Nuclear Waste Control Act	y (positive listing)
China. Inventory of Existing Chemical Substances	q (quantity restricted)

	HMIS	NFPA
Health	1	1
Flammability	1	1
Physical hazards	0	
Instability		0
Specific Hazard	--	--

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate but is not warranted to be whether originating with the company or not. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. This MSDS has been prepared by Ashland's Environmental Health and Safety Department (1-800-325-3751).

ENVIRONMENTAL INCIDENT REPORT

Date/Time: June 30, 2011/1300	**Name/ Title**: Lorie Palkow/CEL **Signature:** Lorie Palkow

Incident Description: On June 30, 2011 around 1200 Lorie Palkow was notified by Jose Partida that an oil leak had occurred near the guard shack. A concrete truck leaving the site had stopped near the concrete washout area and while he was parked, leaked some oil onto the road. There was no trail leading away from or toward the site. Absorbent material was spread over the oil and swept up. The absorbent material was placed into a 55 gallon drum for disposal.

Location Of Incident: Guard Shack	**Date/Time of Release**: June 30, 2011/1150
Personnel/ Subcontractor Involved: Jose Partida/Bechtel	**Date/Time Release Stopped:** NA
Containment: The absorbent material was swept up and placed in a 55 gallon drum for proper disposal	**Product ID or CAS Number:** Unknown motor oil **Total Amount Released (units):** Less than half a gallon
Date/Time Construction Environmental Lead Notified: June 30, 2011/1200 **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: The absorbent material was swept up and placed in a 55 gallon drum for proper disposal.

Measures to Prevent Recurrence: The exact cause of the leak is unknown, so it is difficult to determine how to prevent the recurrence. The truck was inspected upon entry and was not leaking.

Oil Spots

Oil Spots

Oil Spots

Oil Spots

Oil Spots

Clean Up Activities

Clean Up Activities

Clean Up Activities

Area After Clean Up