February 11, 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: January 2011 Monthly Compliance Report No. 4

Dear Mr. Douglas,

Please find attached the Monthly Compliance Report for the Ivanpah Solar Electric Generating Facility System for the month of January 2011. The template you provided was used as a basis for this report along with the requirements included in Condition of Certification COMP-6. This document also includes the following monthly reports required under the project Conditions of Certification:

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

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

Sincerely,

Tracie A. Wheaton
Environmental Compliance Manager
1999 Harrison Street, Suite 2150
Oakland, CA 94612
Phone (702) 768-7188
Fax (510) 899-6768
twheaton@brightsourceenergy.com

CC: Tom Hurshman, Bureau of Land Management
Raymond Lee, Bureau of Land Management
John Werfal, Bureau Veritas
Todd Stewart, BSE
Steve DeYoung, BSE
Nickolaus Jacobs, BSE
Mike Bobinecz, BSE

Douglas Davis, BSE
Michelle Farley, BSE
John Carrier, CH2MHill
Terry Copeland, Bechtel Corporation
Kim Johnson, 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. 4
January 2011 Reporting Period

February 11, 2011

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

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Monthly Compliance Report

1. The focus of January site construction and compliance activities was on the development of the Construction Logistics Area (CLA) and Common Facilities, installation of security fence posts and fencing, further development of the site wells, continued preparation of Colosseum Road for its future development, 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.

Colosseum Road

Subgrade earthwork development of Colosseum Road and common area access road continued throughout the reporting period.

Construction Logistics Area

Earthwork around the Pad Bonding Building (PBB) was completed and foundation activities commenced. Heliostat Assembly Building (HAB) and PBB foundation beams were received on site and installation of these beams began for the PBB. Installation of the casing on well #2 and the monitoring well is now complete. Geotechnical borings have been completed for the Southern California Edison (SCE) switchyard. Earthwork cut operations at the SCE switchyard and berm are ongoing. Grounding of fencing under the SCE Right of Way (ROW) and future generation tie-in lines continues. Underground pipe installation began this month on the raw water and fire protection systems in the common area. Construction of the trailer office complex was completed, including setting, walk-ways, utility hook-ups, and furniture. Office Complex occupation commenced on January 31, 2011. Lighting pole installation is ongoing within the Common Area.

Unit 1

Cut and fill operations at the Unit 1 Power Block were completed. Security fence post installation has also been completed. Earthwork activities are continuing and the access to the Power Block Solar Receiver Steam Generator was released January 31, 2011.

Unit 2

Limited site preparation and earthwork activities were performed including the installation of the “hammer head” fencing around the Unit 2 Power Block. Additional, earthwork activities will commence upon DESCP approval (now expected in early February).

Unit 3

Geotechnical work has been completed and no earthwork is being performed in Unit 3 at this time.

Forecasted construction activities for the next project reporting period include:

- Complete earthwork, cut and fill of HAB area

- Complete earthworks cut and fill of SCE switchyard and berm
- Complete fill and sub-grade of administration building area
- Continue receipt of construction equipment and temporary power commodities
- Complete development of 1st and 2nd water well for water flow testing.
- Commence installation of SCE underground conduits, (pending SCE approval)
- Continue grounding of fence lines under SCE ROW and generation tie lines.
- Commence erection of Heliostat Assembly area buildings
- Commence foundation pours for 33kV pad mounted switchgear and transformers
- Commence excavation, mud mat placement for SRSG Tower mat foundation
- Commence earthworks development in Unit 2 [access road, power block only]
- Commence setting Dead-end jumper poles for 33kV tie-ins
- Commence excavation of trench and cable laying for 33kV / 115kV power systems
- Commence mowing operation within in the Unit 1 solar field
- Commence preparation of spoke and radial roads in the Unit 1 solar field

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.

There have been no significant project delays or significant changes to the project schedule during this reporting period.

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	1.14.2011
AQSC-4	Submitted documentation of compliance with the Dust Plume Response Requirement	1.14.2011

AQSC-5	Submitted Construction Mitigation Report demonstrating compliance with the AQCMP	1.14.2011
BIO-2	Submitted copies of all written reports and summaries that documented biological resources compliance activities in the October Monthly Compliance Report	1.14.2011
BIO-4	Submitted copies of all written reports and summaries that documented biological resources compliance activities in the October Monthly Compliance Report	1.14.2011
BIO-6	Submitted list of all persons having completed WEAP training in October MCR	1.14.2011
BIO-7	Submitted documentation of implementation of the measures in the BRMIMP	1.14.2011
BIO-8	Submitted documentation of implementation of the measures in the BRMIMP	1.14.2011
BIO-10	Submitted Listed Species Status Report	1.31.2011
BIO-11	Submitted documentation of implementation of the measures in the BRMIMP	1.14.2011
CIVIL-1	Submitted list of all general design documents approved by the CBO in October MCR	1.14.2011
COMP-5	Submitted Compliance Matrix containing all Conditions of Certification - Pre-Construction, Construction and Operations	1.14.2011
COMP-6	Submitted October Monthly Compliance Report	1.14.2011
COMP-12	Unplanned Temporary Closure/On-Site Contingency Plan	1.31.2011
COMP-13	Unplanned Permanent Closure/On-Site Contingency Plan	1.31.2011
CUL-5	Submitted list of all persons having completed WEAP training in October MCR	1.14.2011
CUL-7	Submitted Cultural Resources Monitoring Report for reporting period in October MCR	1.14.2011
PAL-4	Submitted list of all persons having completed WEAP training in October MCR	1.14.2011
PAL-5	Submitted Paleontological Resources Monitoring Report for reporting period in October MCR	1.14.2011
S&W-1	Submitted documentation of compliance with DESCP in October MCR	1.14.2011
S&W-1	Submitted Drainage, Erosion and Sediment Control Plan for Phase 2	1.28.2011

5. Per the Conditions of Certification, there are no outstanding submittal requirements at this time.

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 Bureau of Land Management (BLM), the United States Fish and Wildlife Service (USFWS), and the California Department of Fish and Game (CDFG) have been included as Exhibit 13. Agency approvals within Exhibit 13 include one Right-of-Way addition for a temporary water pipeline from the Bureau of Land Management.

7. A list of project compliance activities scheduled during the next two months is included in Exhibit 3, the Ivanpah SEGS Compliance Matrix.

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 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.

9. 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 January 2011**

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

Compliance Level/ Report Number	Date	Description	Corrective Action
Communication			
Daily Activity Log 01/06/11	01/06/11	Informed by BSE that testing of mowing equipment will be conducted in power block the week of 01-10-11.	NA
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

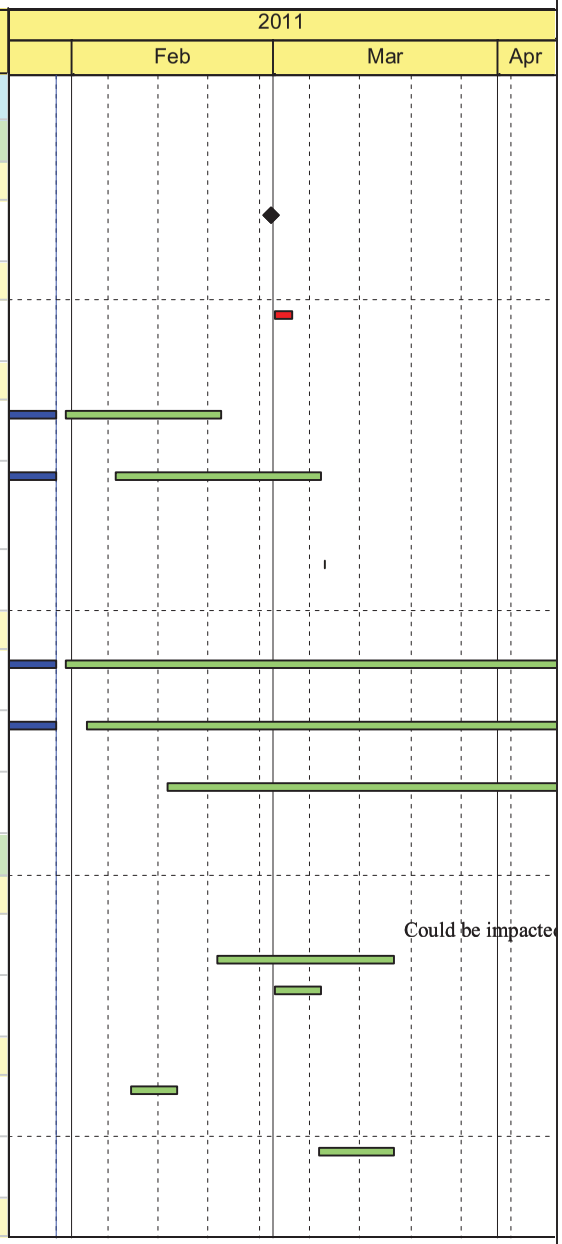
Compliance Level/ Report Number	Date	Description	Corrective Action
Communication			
Daily Activity Log 01/06/2011	01/06/2011	Inform BSE of observed soil accumulation in tortoise guard at project entrance.	Maintenance of tortoise guards was promptly conducted.
Daily Activity Log 01/06/2011	01/06/2011	BSE provides draft discharge plan for water well development and pump test.	NA
Daily Activity Log 01/06/2011	01/06/2011	BLM concurs with draft discharge plan for water well development and pump test.	NA
Daily Activity Log 01/11/2011	01/11/2011	BSE informed verbally that documentation required for disposal of water well drilling mud.	NA
Daily Activity Log 01/11/2011	01/11/2011	BSE submits requests for ROW Additions for CACA-49502. (Re: Daily Activity Log 11/3/2010 non-compliance report).	NA
Daily Activity Log 01/21/2011	01/21/2011	BLM approves CACA-49502-01 for installation of temporary water pipeline and water tanks for construction dust suppression. (Re: Daily Activity Log 11/15/2010 and 11/16/10 communication reports).	NA
Daily Activity Log 01/24/2011	01/24/2011	BSE forwards water analysis data for LVP water well. (Re: Daily Activity Log 12/13/2010 communication report).	NA
Daily Activity Log 01/27/2011	01/27/2011	BSE advises BLM of pending request to construct to construct 18 additional tortoise quarantine pens.	NA

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

Exhibit 2

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

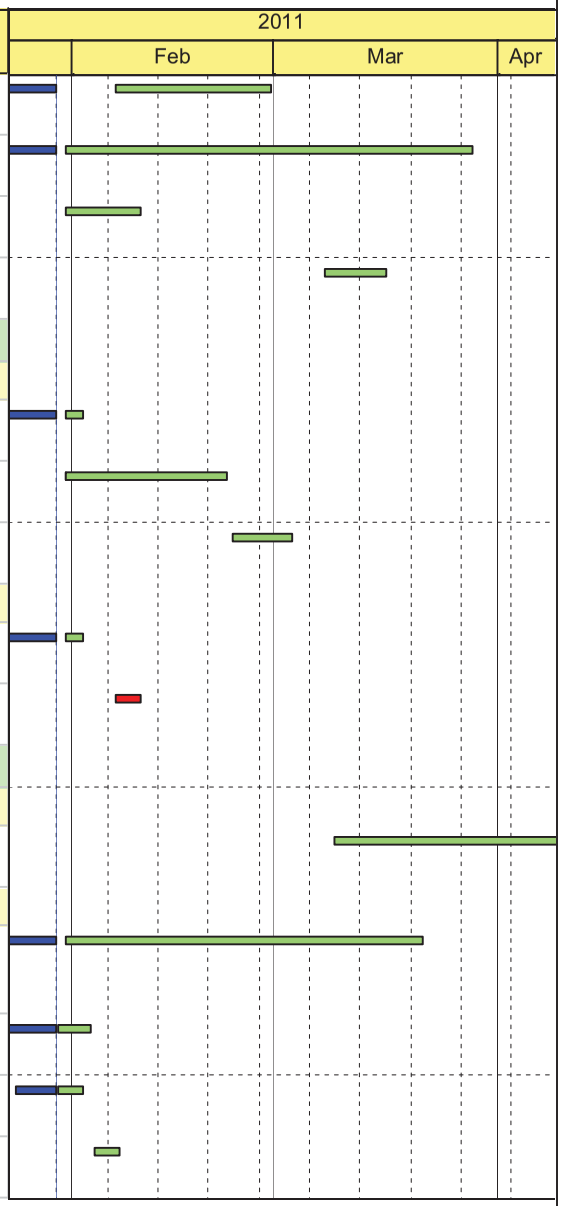
Activity ID	Activity Name	Rem. Dur.	Start	Finish
COMMON AREA				
COMMON AREA				
OWNER DELIVERABLES				
BCETP3C-240	Owner: Resolve ROW issues [BLM/FADWP]	0d		28-Feb-11*
JOB-SITE DELIVERIES				
BCETP3C-230	Common: ETP2-1: 33kV/480V MCC Transformer - Deliver Common Boiler Fab Area (9-TP-5B)	3d	01-Mar-11	03-Mar-11*
SITE PREP				
BC0011C-105	Common Area: CE01 - Site Prep - Establish Sub-Base for Colosseum Rd	13d	23-Nov-10 A	21-Feb-11
BC0011C-500	Common Area: CE01 - Site Prep - Construct Common Area Road up to and through common area to U1 fenceline (Milestone 3)	17d	29-Dec-10 A	07-Mar-11
BC0011C-490	Common Area: CE01 - Site Prep - Establish Wheel Wash Facility	0d	08-Mar-11	08-Mar-11
UNDERGROUND UTILITIES				
BC0015C-120	Common Area: Install U/G WR Pipe in Common Area	44d	10-Jan-11 A	14-Apr-11
BC0015C-100	Common Area: Install U/G Fire Protection Pipe	50d	17-Jan-11 A	02-May-11
BC0016C-000	Common Area - Install ductbank	96d	14-Feb-11	28-Jul-11
TRANSFORMERS				
UNDERGROUND UTILITIES				
BC0016C-010	EWZ0: 115Kv / 33Kv T-Line UG XLPE Cable - Trench & Install UG Cable - from Common Area to U1	16d	21-Feb-11	17-Mar-11
BC0016C-100	Common Area: Install 375' U/G PVC Conduit under existing T-Line ROW for SCE 33Kv tie-in	4d	01-Mar-11	07-Mar-11
FOUNDATIONS				
BC8612C-060	Common: ETP2-1: 33kV/480V Construction Facilities Transformer Foundation FREP (9-TP-5A)	4d	09-Feb-11	15-Feb-11
BC8612C-070	Common: ETP2-1: 33kV/480V Boiler Fab Area Transformer Foundation FREP (9-TP-5B)	8d	07-Mar-11	17-Mar-11
ELECTRICAL				



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

TASK filters: IDH - STWP, L3 STWP 4-Week LookAhead, L3: STWP_ Construction.

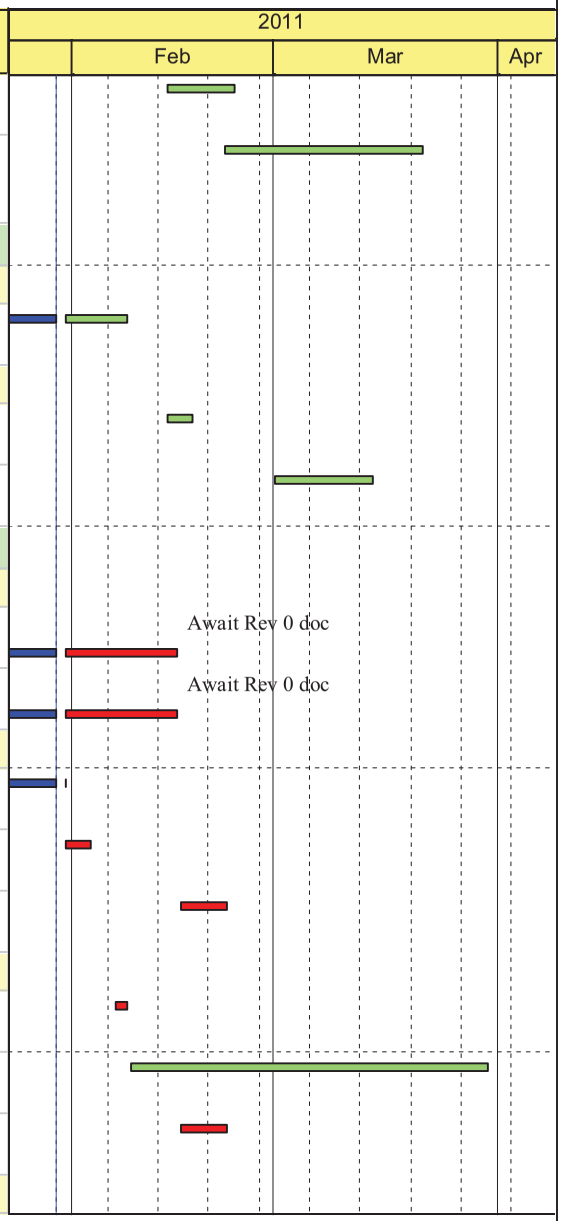
Activity ID	Activity Name	Rem. Dur.	Start	Finish
BO00OWC-045	SCE Mobilize for 33 kV Drop Installation [OWNER]	13d	03-Jan-11 A	28-Feb-11
BCEZ00C-010	EZ00: Power & Light Poles Install - Install Lighting Poles	33d	11-Jan-11 A	28-Mar-11
BCEZ00C-10	EZ00: Power & Light Poles - Install Dead-End / Jumper Poles	8d	31-Jan-11	10-Feb-11
BO00OWC-010	SCE Install Common Area Tap #1 33 kV Pole [Unit 1] (OWNER)	6d	08-Mar-11	16-Mar-11
SWITCHYARD				
SITE PREP				
BC3511C-170	Common Area: CE01 - Site Prep - Resume Rough Grading of 115 kV Switchyard Area	3d	18-Jan-11 A	02-Feb-11
BC3511C-150	Common Area: CE01 - Site Prep - Establish Berm	14d	31-Jan-11 A	22-Feb-11
BO00OWC-900	Common Area: CY10 - Install Permanent Combo Fence for Substation Area [BY OWNER]	6d	23-Feb-11	03-Mar-11
UNDERGROUND UTILITIES				
BFEWZ01-110	EWZ0: 115Kv / 33kV T-Line UG XLPE Cable - S/C MOB / WEAP Training	3d	03-Jan-11 A	02-Feb-11
BC0016C-110	CY10: Install Snow fencing for 115Kv corridor to U1 Permiter Fence	4d	07-Feb-11*	10-Feb-11
WATER TREATMENT FACILITIES				
HOME OFFICE DELIVERABLES				
BCZZ83C-401	S&W-4: Prep & Submit Groundwater Usage Report #1	40d	09-Mar-11	04-May-11
SITE PREP				
BC0011C-330	S&W-3:Well#1 Prep & Submit Well Completion Report, Drill Logs, Water Quality Analyses, Inspection Reports to CPM, BLM	29d	18-Jan-11 A	21-Mar-11
BC0011C-540	Unit 1: CT20 - Well Drilling - Install Monitoring Well	5d	23-Jan-11 A	03-Feb-11
BC0011C-530	Common Area: CT20 - Well Drilling - Test Water Well 2 in Common Area	4d	24-Jan-11 A	02-Feb-11
BC0011C-550	Unit 1: CT20 - Well Drilling - Develop Monitoring Well	4d	04-Feb-11	07-Feb-11



Actual Work | Critical Remaining Work | Remaining Work | Milestone

TASK filters: IDH - STWP, L3 STWP 4-Week LookAhead, L3: STWP_ Construction.

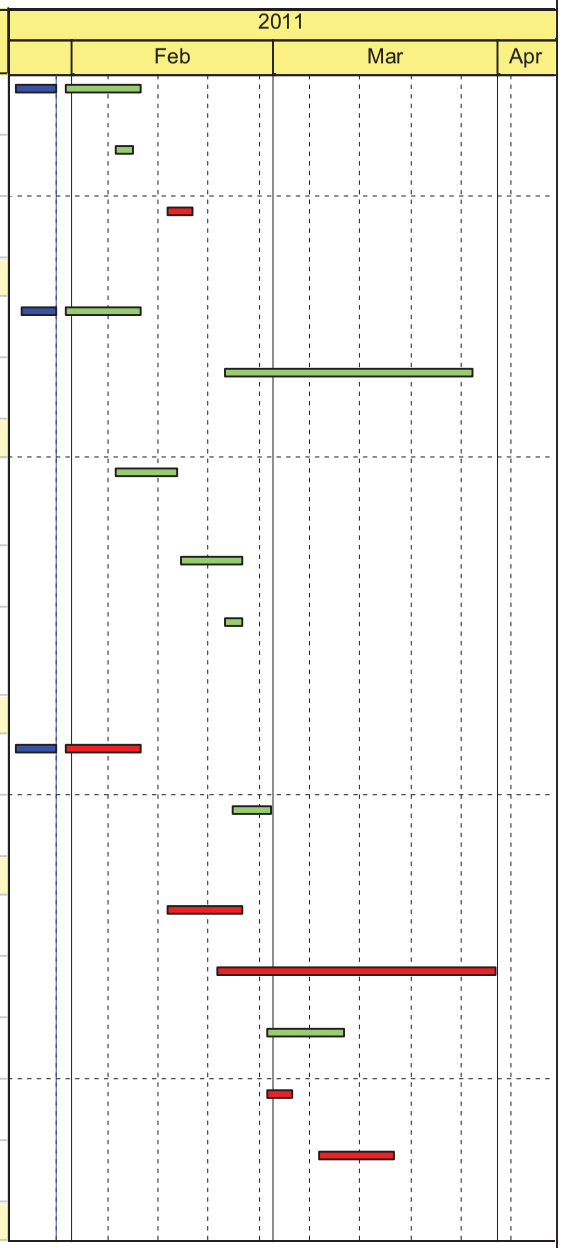
Activity ID	Activity Name	Rem. Dur.	Start	Finish
BC0011C-215	Common Area: CE01 - Well Drilling - Install / Test Temp Pumps for Construction Water Use	7d	14-Feb-11	23-Feb-11
BC0011C-332	S&W-3:Well#2 Prep & Submit Well Completion Report, Drill Logs, Water Quality Analyses, Inspection Reports to CPM, BLM	16d	22-Feb-11	21-Mar-11
ADMIN / CONTROL ROOM / WAREHOUSE				
SITE PREP				
BC8111C-100	Common Area: CE01 - Site Prep - Clearing, Grubbing, Rough Grade, & Excavation of Admin Building Area	6d	22-Nov-10 A	08-Feb-11
ELECTRICAL				
BC0028C-130	Common Area: Tap #4 Pole Mounted Recloser - Install	4d	14-Feb-11	17-Feb-11
BO00OWC-040	SCE Install Common Area Tap #4 33 kV Pole [Admin Bldg] (OWNER)	8d	01-Mar-11	14-Mar-11
HELIOSTAT BUILDING				
OWNER DELIVERABLES				
BOEAEPC330-010	Pad Bonding Building - Owner: Provide WR piping BOM	12d	19-Nov-10 A	15-Feb-11
BC8652C-110	Common: HAB Electrical Bulks - OWNER provide Spec / BOM	10d	06-Dec-10 A	15-Feb-11
FIELD ENGINEERING				
BFMXHSC-104	Common: MCRA-2: Heliostat Bldg Inst Air Compressors - Technical Evaluation	0d	13-Dec-10 A	31-Jan-11
BFMXHSC-105	Common: MCRA-2: Heliostat Bldg Inst Air Compressors - Conform Spec	4d	31-Jan-11	03-Feb-11
BC8652C-100	Common: HAB Electrical Bulks - Prep Spec / FMR	4d	16-Feb-11	22-Feb-11
FIELD PROCUREMENT				
BFMXHSC-106	Common: MCRA-2: Heliostat Bldg Inst Air Compressors - Award	2d	07-Feb-11	08-Feb-11
BFMXHSC-107	Common: MCRA-2: Heliostat Bldg Inst Air Compressors - Fab / Ex-Works	35d	09-Feb-11	30-Mar-11
BFEAEPC200-010	Pad Bonding Building - Spec / MR for HAB WR Piping	4d	16-Feb-11	22-Feb-11
JOB-SITE DELIVERIES				



Actual Work | Critical Remaining Work | Remaining Work | Milestone

TASK filters: IDH - STWP, L3 STWP 4-Week LookAhead, L3: STWP_ Construction.

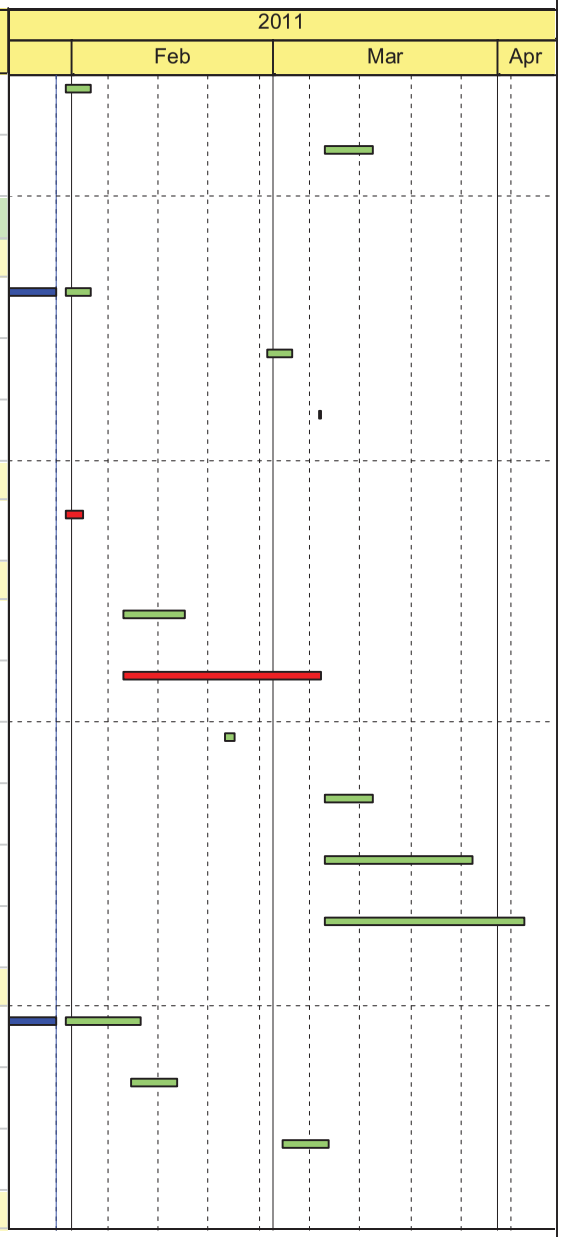
Activity ID	Activity Name	Rem. Dur.	Start	Finish
BFDB02C-80	HAB - Deliver HAB B2/B1/B1A Beams	8d	24-Jan-11 A	10-Feb-11
BFETP3C-250	Common: ETP2-1: 33kV/480V MCC Transformer - Deliver to Site for Heliostat Bldg Area (9-TP-5C)	3d	07-Feb-11	09-Feb-11*
BFAKBSC-162	HAB - Deliver Building	4d	14-Feb-11*	17-Feb-11
SITE PREP				
BC8611C-140	Common Area: CE01 - Site Prep - Rough Grade Heliostat Laydown Area	8d	25-Jan-11 A	10-Feb-11
BC8611C-130	Common Area: CE01 - Site Prep - Stone & Pave Heliostat Bldg Area	20d	22-Feb-11	28-Mar-11
UNDERGROUND UTILITIES				
BC8616C-110	Common Area: Install U/G Cable from 33kV/480V Construction Facilities Transformer to Construction Facilities	6d	07-Feb-11	15-Feb-11
BC8616C-060	Common Area: Install U/G Cable from Tap #5 Pole Mounted Recloser to Pad Mounted Switchgear #5	6d	16-Feb-11	24-Feb-11
BC8616C-090	Common Area: Install U/G Cable from Pad Mounted Switchgear #5 to 33kV/480V Heliostat Bldg Transformer (150 ft)	3d	22-Feb-11	24-Feb-11
FOUNDATIONS				
BC8612C-100	HAB - Set Foundation Beams	8d	24-Jan-11 A	10-Feb-11
BC3312C-860	Common: ETP2-1: 33kV/480V Heliostat Bldg Transformer Foundation FREP (9-TP-5C)	3d	23-Feb-11	28-Feb-11
STEEL				
BC8613C-130	Pad Bonding Building 1 - Erect Structure	8d	14-Feb-11	24-Feb-11
BC8613C-100	HAB - Erect Structure	24d	21-Feb-11	31-Mar-11
BC8613C-140	Pad Bonding Building 2 - Erect Structure	8d	28-Feb-11	10-Mar-11
BC8613C-160	Pad Bonding Building 1 - Install Structure Canvas	4d	28-Feb-11	03-Mar-11
BC8613C-180	Pad Bonding Building 1 - Install Insulation	8d	07-Mar-11	17-Mar-11
ELECTRICAL				



Actual Work | Critical Remaining Work | Remaining Work | Milestone

TASK filters: IDH - STWP, L3 STWP 4-Week LookAhead, L3: STWP_ Construction.

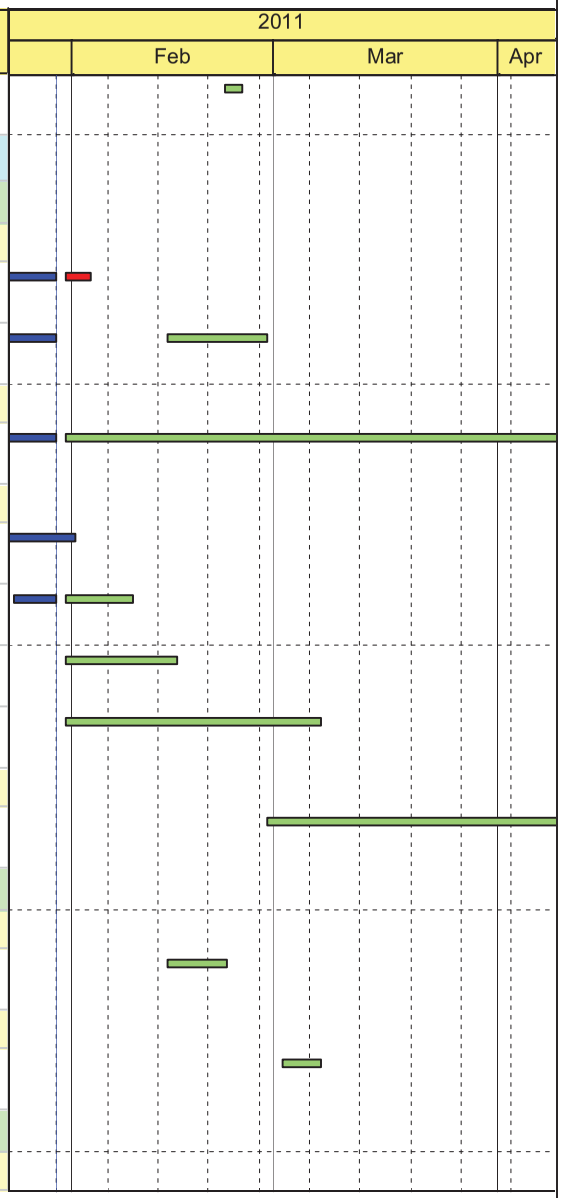
Activity ID	Activity Name	Rem. Dur.	Start	Finish
BC8628C-140	Common Area: Tap #5 Pole Mounted Recloser - Install	4d	31-Jan-11	03-Feb-11
BO00OWC-050	SCE Install Common Area Tap #5 33 kV Pole [Heliostat] (OWNER)	4d	08-Mar-11	14-Mar-11
CLA				
HOME OFFICE PROCUREMENT				
BC0005C-020	Common: Warehouse Facility - IFB	4d	05-Jan-11 A	03-Feb-11
BC0005C-030	Common: Warehouse Facility - Rec Bids / Evaluate	4d	28-Feb-11	03-Mar-11
BC0005C-040	Common: Warehouse Facility - Award PO	1d	07-Mar-11	07-Mar-11
SITE PREP				
L033	CE01: Stone Office / Distribution Areas Area	3d	31-Jan-11*	02-Feb-11
FOUNDATIONS				
BC3312C-865	Common Area: Tap #5 Pad Mounted MV Switchgear Foundation - FREP	6d	08-Feb-11	16-Feb-11
L140	FREP Equipment Maintenance Area [80x100]	16d	08-Feb-11*	07-Mar-11
L212	FREP Main Security Station [10x10]	2d	22-Feb-11	23-Feb-11
L110	FREP Weld Test Shop Slab [40x20]	4d	08-Mar-11	14-Mar-11
L120	FREP Haz Waste Storage Area Slab [40x50]	12d	08-Mar-11	28-Mar-11
L130	Establish Fuel Facility [40x50]	16d	08-Mar-11	04-Apr-11
ARCHITECTURAL				
L031	Erect Brass Alley [25x20]	8d	04-Jan-11 A	10-Feb-11
L222	Set Warehouse Office	4d	09-Feb-11	15-Feb-11
L026	Set Main Security Station [10x10]	4d	02-Mar-11	08-Mar-11
ELECTRICAL				



Actual Work | Critical Remaining Work | Remaining Work | Milestone

TASK filters: IDH - STWP, L3 STWP 4-Week LookAhead, L3: STWP_ Construction.

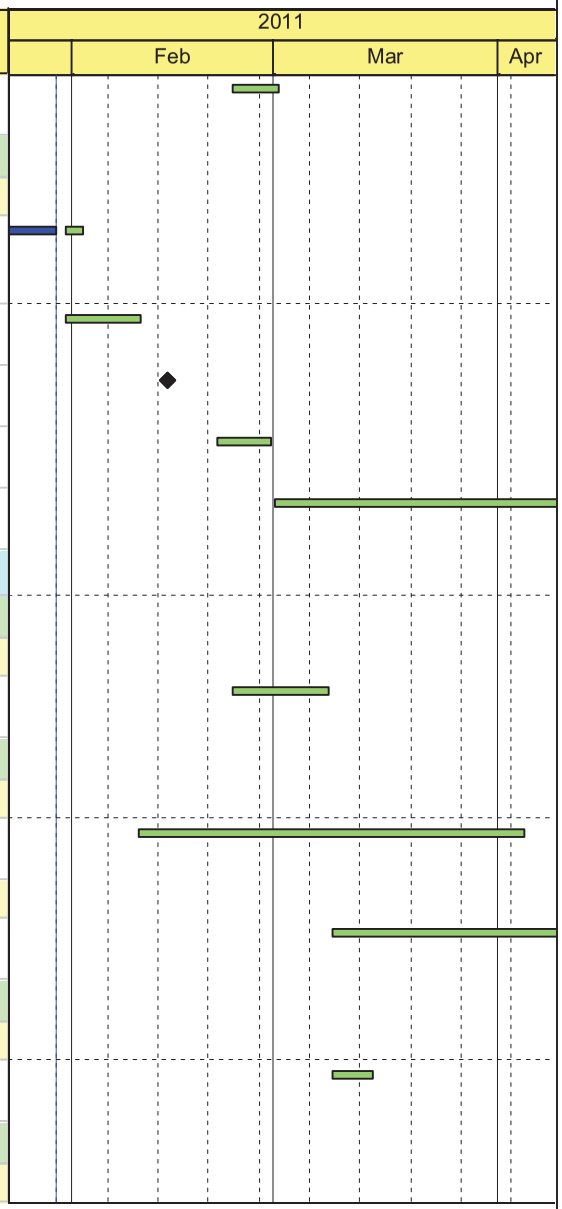
Activity ID	Activity Name	Rem. Dur.	Start	Finish
BC8628C-030	Common Area: Tap #5 (3) Pad-Mounted Switchgears for Heliostat Building & Constr Power - Install	3d	22-Feb-11	24-Feb-11
UNIT 1				
SRSG				
FIELD ENGINEERING				
BCDE01X-230	U1: DE01 - Formwork Rental - Prep Spec / FMR	4d	11-Nov-10 A	03-Feb-11
BC10EC1-130	U1: Twr FDN - Detail Rebar & Formwork (Post DRN)	8d	22-Dec-10 A	28-Feb-11
JOB-SITE DELIVERIES				
BCACE01-090	U1: ACE0-1: Construction Elevator - Fabrication Ex-Works	60d	21-Sep-10 A	12-May-11
SITE PREP				
BC10111-070	U1: CE01 - Site Prep - Rough Grade of North and South Power Block Area (Milestone 6)	0d	13-Dec-10 A	01-Feb-11 A
BC10111-150	U1: CE01 - Install Storm Sewers and Diversion Berm and Channel - Phase 1	7d	24-Jan-11 A	09-Feb-11
BC10111-060	U1: Excavation of SRSG Tower Area	10d	02-Feb-11 A	15-Feb-11
BC10111-080	U1: CE01 - Site Prep - Grade Balance of Power Block Area (Milestone 7)	21d	02-Feb-11 A	07-Mar-11
FOUNDATIONS				
BC10121-100	U1: SRSG Tower Foundation FREP	63d	28-Feb-11	15-Jun-11
TRANSFORMERS				
FOUNDATIONS				
BC33121-050	U1: Tap # 1 Pad Mounted MV Switchgear - FREP	6d	14-Feb-11	22-Feb-11
ELECTRICAL				
BC33281-050	U1: Tap # 1 (3) Pad-Mounted Switchgears for Alt Power & Constr Power - Install	3d	02-Mar-11	07-Mar-11
FIREWATER FACILITIES				
JOB-SITE DELIVERIES				



Actual Work | Critical Remaining Work | Remaining Work | Milestone

TASK filters: IDH - STWP, L3 STWP 4-Week LookAhead, L3: STWP_ Construction.

Activity ID	Activity Name	Rem. Dur.	Start	Finish
BCPS021-430	U1: U/G PF Pipe - Deliver to Site	4d	23-Feb-11	01-Mar-11*
HELIOSTAT SOLAR FIELD				
SITE PREP				
BC87111-130	U1: CE01 - Site Prep - Install initial Sub-Base (Approx 50%) for Unit 1 Main Construction Access Rd -(Milestone 4)	3d	10-Jan-11 A	02-Feb-11
BC87111-310	U1: CE01 - Site Prep - Clearing, Grubbing, & Rough Grade of Solar Field Perimeter Roads	8d	31-Jan-11	10-Feb-11
BC87111-300	U1: Begin Mowing Solar Field down to 10"	0d	14-Feb-11*	
BC87111-120	U1: CE01 - Site Prep - Clearing, Grubbing, & Rough Grade of Solar Field Spoke Roads	5d	21-Feb-11	28-Feb-11
BC87111-140	U1: CE01 - Site Prep - Clearing, Grubbing, & Rough Grade of Solar Field Ring Roads (Milestone 9)	120d	01-Mar-11	26-Sep-11
UNIT 2				
SITE - GENERAL				
FOUNDATIONS				
BC86122-100	U2: Tap # 2 Pad Mounted MV Switchgear Foundation - FREP	8d	23-Feb-11	08-Mar-11
SRSG				
SITE PREP				
BC10112-070	U2: CE01 - Site Prep - Rough Grade of North and South Power Block Area (Milestone 11)	30d	10-Feb-11	04-Apr-11
FOUNDATIONS				
BC10EC2-130	U2: SRSG Tower Foundation - Fab & Del Rebar & Formwork	32d	09-Mar-11	03-May-11
TRANSFORMERS				
ELECTRICAL				
BC33282-050	U2: Pad-Mounted Switchgears for Alt Power & Constr Power - Install	3d	09-Mar-11	14-Mar-11
HELIOSTAT SOLAR FIELD				
SITE PREP				



Actual Work | Critical Remaining Work | Remaining Work | Milestone

TASK filters: IDH - STWP, L3 STWP 4-Week LookAhead, L3: STWP_ Construction.

Activity ID	Activity Name	Rem. Dur.	Start	Finish
BC87112-100	U2 - CE01: Site Prep - Install initial Sub-Base (Approx 50%) for Unit 2 Main Construction Access Rd (Milestone 10)	7d	07-Feb-11*	16-Feb-11
UNIT 3				
SITE - GENERAL				
SITE PREP				
BFCY053-220	CY05: Geotech - Final Report (Unit 3 only)	0d		04-Mar-11

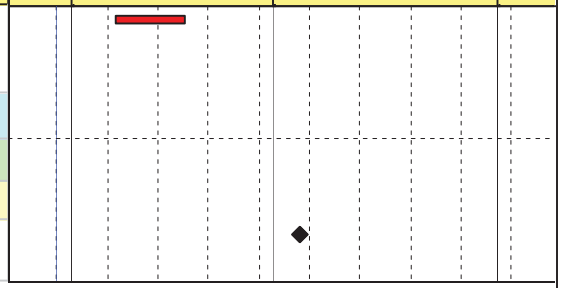


Exhibit 3

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

Ivanpah SEGS Compliance Matrix 2/10/2011

Technical Area	COC	Description	Verification	Pre-Con	Con	Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
				Phase										
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						

Technical Area	COC	Description	Verification	Phase			Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
				Pre-Con	Con	Ops								
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	N/A	N/A						
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); 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 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						

Technical Area	COC	Description	Verification	Phase: Pre-Con	Phase: Con	Phase: Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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)	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		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.		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 within	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.		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		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 activties 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.	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						

Technical Area	COC	Description	Verification	Phase: Pre-Con	Phase: Con	Phase: Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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		TBD	Not yet started						
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						

Technical Area	COC	Description	Verification	Phase: Pre-Con	Phase: Con	Phase: Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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					

Technical Area	COC	Description	Verification	Phase			Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
				Pre-Con	Con	Ops								
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						

Technical Area	COC	Description	Verification	Phase: Pre-Con	Phase: Con	Phase: Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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						

Technical Area	COC	Description	Verification	Phase			Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
				Pre-Con	Con	Ops								
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						

Technical Area	COC	Description	Verification	Phase: Pre-Con	Phase: Con	Phase: Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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				

Technical Area	COC	Description	Verification	Phase: Pre-Con	Phase: Con	Phase: Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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				

Technical Area	COC	Description	Verification	Phase Pre-Con	Phase Con	Phase Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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 Piute Valley from the California-Nevada border to the town of Goffs, opr the boundary for the community of Goffs. Some of these roads (e.g. portions of Nipton Road and Ivanpah Road) may require fencing associated with the tortoise translocation plan. Any fencing deemed necessary for tortoise 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:	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 groundddisturbing 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,	X	X		9/15/2010	Approved	10/4/2010	10/7/2010				

Technical Area	COC	Description	Verification	Phase Pre-Con	Phase Con	Phase Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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	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	Approved	10/4/2010	10/7/2010				
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	See above sections	X	X		9/15/2010	Approved	10/4/2010	10/7/2010				

Technical Area	COC	Description	Verification	Phase Pre-Con	Phase Con	Phase Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
Biological Resources	BIO-17 (Continued)	5. Compensation Lands Acquisition Conditions The project owner shall comply with the following conditions relating to acquisition of the Energy Commission compensation lands after the CDFG and the CPM, in consultation with BLM, CDFG and the USFWS, have approved the proposed compensation lands and received Security as applicable and as described above. a. Preliminary Report: The project owner, or approved third party, shall provide a recent preliminary title report, initial hazardous materials survey report, biological analysis, and other necessary documents for the proposed 7,164 acres. All documents conveying or conserving compensation lands and all conditions of title/easement are subject to a field review and approval by CDFG and the CPM, in consultation with BLM and the USFWS, California Department of General Services and, if applicable, the Fish and Game Commission and/or the Wildlife Conservation Board. b. Title/Conveyance: The project owner shall transfer fee title or a conservation easement to the 7,164 acres of compensation lands to CDFG under terms approved by the CPM and CDFG. Alternatively, a non-profit organization qualified to manage compensation lands (pursuant to California Government Code section 65965) and approved by the CPM in consultation with CDFG may hold fee title or a conservation easement over the habitat mitigation lands. If the approved non-profit organization holds title, a conservation easement shall be recorded in favor of CDFG in a form approved by CDFG and CPM. If the approved non-profit holds a conservation easement, CDFG or another designee of the CPM shall be named a third party beneficiary. If a Security is provided, the project owner or an approved third party shalltcomplete the proposed compensation lands acquisition within 18 months of the start of project ground-disturbing activities. c. Initial Habitat Improvement Fund. The project owner shall fund the initial protection and habitat improvement of the 7,164 acres. Alternatively, a non-profit organization may hold the habitat improvement funds if they are qualified to manage the compensation lands (pursuant to California Government Code section 65965) and if they meet the approval the CPM in consultation with CDFG. If CDFG takes fee title to the compensation lands, the habitat improvement fund must go to CDFG. d. Long-term Management Maintenance Fund. Prior to ground-disturbing project activities, the project owner shall provide to CDFG a nonwasting capital endowment in the amount determined through the Property Analysis Record (PAR) or PAR-like analysis that will beconducted for the 7,164 acres. Alternatively, a non-profit organization may hold the long-term management and maintenance fees if they are qualified to manage the compensation lands (pursuant to California Government Code section 65965) and if they meet the approval of the CPM in consultation with CDFG. If CDFG takes fee title to the compensation lands, the long-term management and maintenance fee must go to CDFG, where it will be held in the special deposit fund established pursuant to California Government Code section 16370. If the special deposit fund is not	See above sections	X	X		9/15/2010	Approved	10/4/2010	10/7/2010				
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 montoring, 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	See above sections	X	X		9/15/2010	Approved	10/4/2010	10/7/2010				

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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	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. <u>Protection of Adjacent Occurrences:</u> 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. <u>Develop and Implement a Special-Status Plant Protection and Monitoring Plan</u>: 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	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)					

Technical Area	COC	Description	Verification	Phase Pre-Con	Phase Con	Phase Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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	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	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	Submitted	7/30/2010	10/7/2010				

Technical Area	COC	Description	Verification	Phase Pre-Con	Phase Con	Phase Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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	Not yet started						
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	Not yet started						
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	Not yet started						

Technical Area	COC	Description	Verification	Phase: Pre-Con	Phase: Con	Phase: Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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	Not yet started						
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		N/A	Completed	N/A	N/A				
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	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	Not yet started						
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		TBD	Not yet started						

Technical Area	COC	Description	Verification	Phase			Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
				Pre-Con	Con	Ops								
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 groundisturbing 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		2013	Not yet started						
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		2013	Not yet started						

Technical Area	COC	Description	Verification	Phase: Pre-Con	Phase: Con	Phase: Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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		2013	Not yet started						
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	2011	Not yet started						
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						

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				Pre-Con	Con	Ops								
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	Not yet started						
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						

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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.		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;			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						

Technical Area	COC	Description	Verification	Phase: Pre-Con	Phase: Con	Phase: Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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		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				X	TBD	Not yet started						

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				Pre-Con	Con	Ops								
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						

Technical Area	COC	Description	Verification	Phase: Pre-Con	Phase: Con	Phase: Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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				

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				Pre-Con	Con	Ops								
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	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				

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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				

Technical Area	COC	Description	Verification	Phase Pre-Con	Phase Con	Phase Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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						

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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;	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		TBD	Not yet started						
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	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						

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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	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	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.	X			5/28/2010	Approved	5/28/2010	9/2/2010				

Technical Area	COC	Description	Verification	Phase			Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
				Pre-Con	Con	Ops								
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 1 & CLA - 10/4/2010; Unit 2 - 2/9/2011	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						

Technical Area	COC	Description	Verification	Phase: Pre-Con	Phase: Con	Phase: Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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		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 U.S. Department of Homeland Security, the U.S. Department of Energy, or the North American Electrical Reliability Council, after consultation with appropriate law enforcement agencies **and the project owner.**		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						

Technical Area	COC	Description	Verification	Phase Pre-Con	Phase Con	Phase Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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		TBD	Not yet started						
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						

Technical Area	COC	Description	Verification	Phase Pre-Con	Phase Con	Phase Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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		TBD	Not yet started						
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	7/29/2010	9/2/2010				

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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				

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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						

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				Pre-Con	Con	Ops								
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	DESCP (Phase 1) 6/18/2010; (Phase 2) 1/28/2011	DESCP (Phase 1) 10/4/2010				

Technical Area	COC	Description	Verification	Phase: Pre-Con	Phase: Con	Phase: Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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	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				

Technical Area	COC	Description	Verification	Phase: Pre-Con	Phase: Con	Phase: Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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-		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	Not yet started					
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			

Technical Area	COC	Description	Verification	Phase: Pre-Con	Phase: Con	Phase: Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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 assumptions and spatial levels simulated by the applicant's groundwater model.	X	X	X	8/18/2010	Approved	7/16/2010	11/5/2010				

Technical Area	COC	Description	Verification	Phase: Pre-Con	Phase: Con	Phase: Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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	Not yet started						
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						

Technical Area	COC	Description	Verification	Phase: Pre-Con	Phase: Con	Phase: Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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;	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						

Technical Area	COC	Description	Verification	Phase			Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
				Pre-Con	Con	Ops								
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			

Technical Area	COC	Description	Verification	Phase Pre-Con	Phase Con	Phase Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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		TBD	Not yet started						
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						

Technical Area	COC	Description	Verification	Phase: Pre-Con	Phase: Con	Phase: Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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		X		6/9/2010	Approved	6/30/2010; 11/4/2010 (amend. 1 & 2); 12/8/2010 (amend. 3 & 4)	10/7/2010; 11/23/2010 (amend. 1 & 2); 1/10/2011 (amend. 3 & 4)	11/23/2010 (amend. 1 & 2); 1/10/2011 (amend. 3)			
Visual Resources	VIS-2	At the request of, and in consultation with BLM's Authorized Officer, the CPM and the golf course owner, the project owner shall prepare a perimeter landscape screening plan to reduce the visibility of the proposed ISEGS project as seen from the golf course. The purpose of the plan shall be to provide screening of the power project, particularly the mirror fields, while retaining as much of the scenic portion of the overall views of Ivanpah Valley and Clark Mountains as feasible. The design approach shall be developed with prior consultation with the golf course owner, and implemented only at the golf course owner's request. The project owner shall submit to BLM's Authorized Officer and the CPM for review and approval and simultaneously to the golf course owner for review and comment a preliminary conceptual landscaping plan whose objective is to provide an	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		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		X		11/15/2010	Submitted	11/1/2010; 12/14/2010 (amend. 1)						

Technical Area	COC	Description	Verification	Phase: Pre-Con	Phase: Con	Phase: Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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		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				

Technical Area	COC	Description	Verification	Phase: Pre-Con	Phase: Con	Phase: Ops	Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
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						

Technical Area	COC	Description	Verification	Phase			Scheduled Submittal Date	Status	Date Submitted	Date Approved	Date of Amendment			
				Pre-Con	Con	Ops								
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

January 2011

IVANPAH SOLAR ELECTRIC GENERATING SYSTEM

CALIFORNIA ENERGY COMMISSION
DOCKET NUMBER 07-AFC-5

Completed by:
Tracie Wheaton, AQCMM

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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. A final clean copy of the AQCMP should be received by the Energy Commission before the end of February.

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.

AQ-SC4 - This condition will be continually enforced through implementation of the site AQCMP. The Site Compliance Manager required additional dust plume response as required 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 January 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 December 2010 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)

A final clean copy of the AQCMP should be received by the Energy Commission before the end of February.

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 January 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

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)	02/07/2011
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	420 (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 Still on site
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 Still on site
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			This equipment was removed from the site at the end of November. 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
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 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
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 Removed from site on January 20, 2011
21	Water Truck, MEGA MST8, Year 2005, LVP owned	LVP 425587	330	Tier III			Arrived at start of job in October 2010 Still on site
22	Water Truck, MEGA MST8, Year 2006, LVP owned	LVP 425605	330	Tier III			Arrived at start of job in October 2010 Still on site

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			Arrived at start of job in October 2010 Still on site
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	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 Still 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
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 Still on site
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 are currently contacting other suppliers to locate a Tier III. If one cannot be obtained, they will provide another letter.		Arrived on site week of December 7, 2010 Still on site
52	Drill Rig, Taylor 4000 HRT Year 2004, Engine Year 2002, CAT C-12	Layne DR-30	425	Tier II	A Tier III rig was not available for rent, so they used the Tier II in their fleet. See Layne Christensen letter.		Arrived on site December 2, 2010 Removed from the site on January 24, 2011
53	Water Pump, Mission, Deutz F4L914	Layne WP-10	75	Tier II, CEPA registration # 124940	A Tier III rig was not available for rent, so they used the Tier II in their fleet. See Layne Christensen letter.		Arrived on site in December 1, 2010 Removed from the site the week of January 24, 2011

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
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 Still on site
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 Still on site
61	Water Truck, Mega MST8, Year 2005, LVP owned	LVP 425610	365	Tier III			Arrived on site December 09, 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
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
69	Forklift, Genie GTH1048, Year 2009, BEO owned	Bechtel 27854	86	Tier III			Arrived on site January 18, 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
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	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 Still on site
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 Still on site
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 Still on site
74	Mud System, Shopelt S325, Year 2001, Layne owned	Layne PMS21	71	Tier III			Arrived on site January 24, 2011 Still on site
75	Dozer, Komatsu D51, Year 2010, Komatsu owned	LVP Rented	120	Tier III			Arrived on site January 7, 2010 Still on site
76	Blade, Caterpillar 14H, Year 2006, LVP owned	LVP 375317	439	Tier II	An attempt was made to rent Tier III equipment, but none was available. (See letter previously submitted plus Jan. 19 letter from Arnold Machinery). Note: When they are available, the switch will be made.		Returned to site January 13, 2011 Still on site
77	Compactor, Caterpillar CP323C, Year 2006, LVP owned	LVP 455690	82.5	Tier III			Arrived on site January 17, 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
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

Item No's 1
71

SUNSTATE
Equipment Co.

January 19, 2011

Re: Equipment Rental Request

Tim,

With regards to your request and subsequent order – Unfortunately at · Equipment cannot provide the below listed equipment in the Tier 3 format f equipment will be available in the Tier 2 format.

- **John Deere 4x4 Backhoe**

Should you have any questions please do not hesitate to call me.

Sincerely,

Allen Zaleski
Operations Manager

Item No.'s 1
3
47
71

SUNSTATE
Equipment Co.

January 14, 2011

Re: Equipment Request

Dalene,

Regarding your inquiry – Unfortunately at this time Sunstate Equipment cannot provide the below listed equipment in the Tier 3 engine format for immediate delivery. We do have all items available in the Tier 2 engine format should you need them.

- 5000# Forklift
- 9k-10k Forklift
- 4x4 Backhoe

Should you have any questions please do not hesitate to call me.

Sincerely

Allen Zaleski
Operations Manager

www.SunstateEquip.com
250 ELLIOTT ROAD • HENDERSON, NV 89015 • FAX (702) 565-4409
1-888-456-4560

Item NO. 11

ENGEO INCORPORATED

GEOTECHNICAL
ENVIRONMENTAL
WATER RESOURCES
CONSTRUCTION SERVICES

Project No.
9034.000.000

January 26, 2011

Bechtel Power Corporation
100302 Yates Well Road
Nipton, CA 92364

Attention: Terry Copeland, Bechtel Site Manager; Matt Carney, Site ES&H Manager; Ron Hertel, Subcontracts Manager

Subject: Ivanpah Solar Electric Generating Facility
Bechtel Job No. 25542
Subcontract No. 25542-230-HC4-CY05-00009
Subsurface Investigation and Laboratory Testing

DIESEL FUELED ENGINE CONTROL (COC AQ-SC5)

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, ENGEO Incorporated, hereby declare on behalf of Jensen Drilling Company (JDC) that the equipment listed on the enclosed Attachment B Heavy Equipment Log has been properly maintained. Note, as of January 15, 2011, JDC's Boart Longyear Drill Rig (No. 11, Attachment B) is no longer on site.

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

Sincerely,

Patrick S. Lam, CEG
Senior Geologist

Mark M. Gilbert, GE
Principal

Attachment: Attachment B Heavy Equipment Log

17675 Sierra Highway • Santa Clarita, CA 91351 • (661) 257-4004 • Fax (888) 279-2698
www.engeo.com

Item No's:
14-23
28
30-33
36
37
54-65
75-80

January 31, 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,

Construction Manager *on behalf of*
Rick Ewing
Asset Manager
Las Vegas Paving
Rewing@lasvegaspaving.com
702-649-7637

Item No.'s 19
20
60
76

www.arnoldmachinery.com
4136 DONOVAN WAY • LAS VEGAS, NEVADA 89030
PHONE 702-642-9000 • FAX 702-642-8808

January 19, 2011

Attention Rick Ewing
Las Vegas Paving
4420 South Decatur Blvd
Las Vegas, NV 89103

Reference: Motorgraders with Tier 3 engines

Dear Rick,

This letter is to acknowledge that we currently do not have any Volvo G970 Motorgraders or any equivalent-type equipment in our rental fleet with Tier 3 engines.

Sincerely,

Jason Ryan
Branch & Operations Manager
Arnold Machinery Company

Item No.'s 32
65

CASHMAN CAT

Cashman Equipment

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

January 14, 2011

Las Vegas Paving Corporation
4420 S. Decatur Blvd.
Las Vegas, NV 89103

Mr. Wellman,

Regarding your request to rent a small compactor with a Tier III engine I am sorry to reply that we do not currently have any machines available.

I would be happy to contact you as soon as any become available.

Please keep Cashman Equipment in mind for all your equipment needs.

Sincerely,

Joel Bennett
Major Account Sales manager

Item No.'s
40-46
66-70

Jan 27th, 2010

Bechtel Power Corporation
100302 Yates Well Road
Nipton, CA 92364

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

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

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

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

Sincerely,

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

Item No.'s 49
50
51
52
53
72
73
74

2-1-11

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, Layne Christensen hereby declare on behalf of Layne Christensen and Hertz Rental, that the equipment specified in the 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 jcmusso@laynechristensen.com

Sincerely,

Jason Musso
Project Manager
Layne Christensen Company
jcmusso@laynechristensen.com
909-390.2833

Item No. 51

Hertz
Equipment Rental

Hertz Equipment Rental Corporation
3040 E. Miraloma Ave., Anaheim, CA 92806
Telephone: (714) 533-7694
Fax: (714) 533-8155

January 28, 2011

Re: Layne Christensen Co.

To whom it may concern,

Layne is currently renting equipment from Hertz that is Tier 2 rated due to limited availability of Tier 3 powered equipment. Should a unit that is Tier 3 rated become available we will immediately notify Layne Christensen of this.

Please contact me with questions of concerns.

Regards,

David Lunceford
Account Manager
Hertz Equipment Rental Corp.
(562) 639 – 7085
DLunceford@hertz.com

Item No. 53

Air Resources Board

Linda S. Adams
Secretary for Environmental Protection

Mary D. Nichols, Chairman
1001 I Street • P.O. Box 2815
Sacramento, California 95812 • www.arb.ca.gov

Arnold Schwarzenegger
Governor

October 6, 2009

Herminia Gilbon
Layne Christensen Company
11001 Etiwanda Avenue
Fontana, CA 92337

Dear Herminia Gilbon:

RE: Application # 21566

We have completed the evaluation of your September 29, 2009 application for registration in the Statewide Portable Equipment Registration Program. Based on our evaluation, registration will be issued for the following engine(s)/equipment unit(s):

Description	Serial Number	Registration Number	ARB Tracking #
Engine	08780698	149040	20093519

Enclosed with this letter is a registration certificate, operating conditions, and a sticker for each engine/equipment unit listed. A copy of the registration certificate and operating conditions must be kept with the engine/equipment unit or on the immediate premises at all times. In addition, for each engine/equipment unit listed, a green metallic placard and a second sticker with placement instructions will be mailed separately **only if inspection fees were paid** with the registration application. Please place the sticker(s) included with this letter on the engine(s) or equipment unit(s) for which it was issued.

As a requirement of registration, the owner or operator of the registered portable engine/equipment unit may be subject to district inspection requirements if listed in the attached operating conditions. Please review the operating conditions immediately and carefully. If it is specified in the attached operating conditions, please contact the home district to arrange an inspection as required. Any violation of the operating conditions may result in enforcement action by either the districts or the Air Resources Board.

Please indicate your application number, listed above, on any future correspondence with us regarding the Statewide Registration Program. If you have any questions regarding your registration, please call Steve Eve at (916) 327-2949.

Sincerely,

Jorge Fernandez, Chief
Program Evaluation Branch
Stationary Source Division

Enclosures

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website: http://www.arb.ca.gov.

California Environmental Protection Agency

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Item No 71

ELEMENTAL

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

1/27/11

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-E000-001

Dear Messrs Copeland, Carney and 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 Sunstate Equipment Rental Co, that the equipment added below and previously listed in the enclosed Attachment B Heavy Equipment Log has been properly maintained.

Equipment details for equipment delivered to site this period:

Equipment Type: Backhoe/Loader

page 1

Equipment No.: #74070
Model Year/Tier Level: Tier 2
Owner: Sunstate Equipment Rental
Engine Capacity Hp: 76 hp

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

Sincerely,

Tim McGehee
Project Manager
Elemental Energy Inc.
Email: Tmcgehee@klondykellc.com
Phone: 602-513-1171

Item No. 71

United Rentals

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
February 1, 2011

Tim McGehee
Senior Project Manager
Elemental Energy
2640 W. Lone Cactus Drive
Phoenix, AZ 85027

Tim,

This letter is to inform you that we currently do *not* have any Tier III John Deere 310 rubber tired backhoes available.

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

Thank you for choosing United Rentals.

Sincerely,

Dan

Dan Smerz
General Manager

Item No. 72

Atlas Copco

January 28, 2011

To whom it may concern:

Atlas Copco's records show that Layne Christensen Company's 2005 Atlas Copco T3W DH serial number 6381 had a tier III CAT C-15 580 HP deck engine originally installed which powers the drill portion of the truck. Unless the drill has been modified after it was sold to Layne Christensen Company in September of 2005, the drill should meet 2005 tier III standards.

Documentation can be provided upon request.

Rig: THD-495, 2005, Atlas Coptco, T3
Unit: 27TH0495
VIN: 1NPALU0X05D847433
Serial: 6981

Best Regards,

Clark Herbst
Product Coordinator ADS DH
Atlas Copco CMT USA
(414) 520-6164

Atlas Copco Construction Mining Technique USA LLC

11825 West Carmen Avenue
P.O. Box 250817
Milwaukee, WI 53225
www.atlascopco.us

Telephone: (414) 760-1193
Toll Free: (866) 254-8511
Fax: (414) 760-7963

Item No. 72

Air Resources Board

Robert F. Sawyer, Ph.D., Chair
1001 I Street • P.O. Box 2815
Sacramento, California 95812 • www.arb.ca.gov

Linda S. Adams
Secretary for Environmental Protection

Arnold Schwarzenegger
Governor

Statewide Portable Equipment Registration

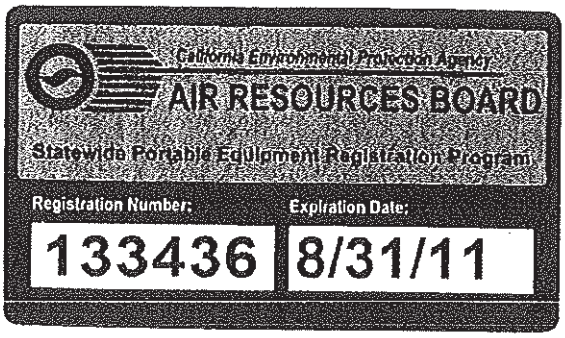
Registration No: 133436

Legal Owner or Operator:	Layne Christensen Company
Mailing Address:	11001 Etiwanda Avenue Fontana, CA 92337

Engine Description:

Certified non-road portable internal combustion engine, compression ignition, Caterpillar, model C15, Serial No: JRE00490, (Unit Number: THD-495), rated at 595 bhp, diesel fueled, equipped with turbocharger and aftercooler.

U.S. EPA Engine Family Name:	5CPXL15.2ESK
Conditions:	see attached
Home District:	South Coast Air Quality Management District



Expiration Date: August 31, 2011

Jorge Fernandez
Chief, Program Evaluation Branch
Stationary Source Division

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website: http://www.arb.ca.gov.

page 1

California Environmental Protection Agency

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Statewide Portable Equipment Registration

The following operating conditions apply for registration 133436
Engine Serial No.: JRE00490

General Requirements

1. The engine shall be properly maintained and kept in good operating conditions at all times.
2. The registration identification device shall be affixed in a visible location on the registered portable engine at all times. A legible copy of the registration certificate shall be kept on site with the portable engine and shall be made accessible to the Air Resources Board or district representative upon request.
3. Engine fuel shall meet standards for California motor vehicle fuels as set forth in Chapter 5, Division 3, Title 13, of the California Code of Regulations, or shall have been verified through the In-Use Strategies to Control Emissions From Diesel Engines verification procedure per Title 13 of the California Code of Regulations commencing with section 2700.
4. The engine and any replacement engine shall not reside at the same location for more than 12 consecutive months.
5. The operation of this engine shall not cause a public nuisance.
6. The operator of a portable engine or equipment unit shall obtain district authorization prior to operation at any specific location where the Statewide registration is not valid.
7. This registration is not valid for operation within the boundaries of the California Outer Continental Shelf and State Territorial Waters.
8. The portable engine shall not be operated under both statewide registration and a district permit at any specific location.
9. This registration is not valid for operation of an engine that powers an equipment unit that has been determined by the Air Resources Board to qualify as part of a stationary source permitted by a district.

Emission Limitations

10. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann 1 or equivalent to 20% opacity.

page 2

The following operating conditions apply for registration 133436
Engine Serial No.: JRE00490

Notification

11. If a registered portable engine will be in a district for more than five days, the operator shall notify the district in writing, facsimile, electronic mail, or telephone within two working days of commencing operations in that district. Notification shall include the registration number of the engine, name and phone number of the responsible official, and estimated number of days the engine will be located in the district. If the district has not been notified because the owner or operator did not expect the duration of operation to trigger notification, the owner or operator shall notify the district within 12 hours of determining the portable engine will be operating in the district more than five days.
12. District notification is not required when operating within the boundaries of the South Coast Air Quality Management District.
13. In order to mitigate any potential adverse local impacts as a result of the operation of this engine, upon the fifth day of placement of this engine into operation at a site within the South Coast Air Quality Management District (SCAQMD), the operator is requested to voluntarily notify SCAQMD at 877-810-6995 and give details of the operation. This will ensure a cooperative effort between the local agency and the operator to mitigate potential problems before they originate as a result of the operation of this engine.
14. When this engine is sold, the new owner shall submit a change of ownership application. The existing registration is not valid for the new owner until the application has been filed and all applicable fees have been paid.
15. The owner of a registered portable engine shall notify the Executive Officer in writing within five days of replacing the registered portable engine with an identical replacement. The notification shall include company name, the responsible official, phone number, registration number, make, model, rated brake horsepower, and serial number of the identical replacement, description of the mechanical breakdown, and applicable fees.

Fleet Average Requirements

16. By January 1, 2020, this engine shall be equipped with a properly functioning level-3 verified technology as defined in Title 13 of the California Code of Regulations Section 93116.2, equipped with emission control strategies that have been verified together to achieve at least 85% reduction in diesel PM emissions, or shall be replaced with an engine that is certified to meet the Tier 4 emission standards.

page 3

The following operating conditions apply for registration 133436
Engine Serial No.: JRE00490

17. Except for low-use engines and engines used exclusively in emergency applications, for engines greater than or equal to 175 bhp but less than 750 bhp, a weighted fleet average PM emission factor of 0.15 g/bhp-hr shall be met by **January 1, 2013**, 0.08 g/bhp-hr shall be met by **January 1, 2017,** and 0.02 g/bhp-hr shall be met by **January 1, 2020**. Changes in the fleet, including engine additions and deletions, shall not result in noncompliance with this standard.
18. The weighted fleet average PM emission factor shall be calculated by taking the summation of the emission factor for each engine in the fleet multiplied by the bhp rating for each engine and then dividing that summation by the summation of the bhp ratings for all the engines in the fleet.
19. The weighted fleet average PM emission factor calculation shall use the test results from nonroad emission standard certification, test results from a verified emission control strategy as defined in Title 13 of the California Code of Regulations Section 93116.2, or the test results from a SCR system. All test results shall be made available to the Air Resources Board upon request.
20. Where equipment uses grid power for more than 200 hours in lieu of operating a portable diesel engine for a given project, the time period grid power is used may be used to reduce each affected engine's emission factor. The emission factor for each affected portable engine shall be reduced proportionally by the percentage of time the equipment uses grid power.
21. The weighted fleet average PM emission factor shall include all portable engines, including those permitted or registered with a local air district, that are owned and managed by an individual operational entity, such as a business, business unit within a corporation, or individual city or state department under the control of a Responsible Official. Engines that are owned by different business entities that are under the common control of only one Responsible Official shall be treated as a single fleet.

Fleet Recordkeeping

22. Starting January 1, 2012, the responsible official of a fleet shall keep records of annual operating hours for non-diesel fueled portable engines used as part of a company's fleet average, engines affected by the use of electrification, low-use engines, and engines used exclusively in emergency applications.
23. All records pertaining to the fleet average shall be maintained at a central place of business for a minimum of five years, and made accessible to the Air Resources Board or district representative upon request.

page 4

The following operating conditions apply for registration 133436
Engine Serial No.: JRE00490

Fleet Reporting and Notification

24. The Responsible Official of a fleet shall submit to the Air Resources Board the fleet's weighted average PM emission rate for the 2010 calendar year, including an inventory of portable engines in the fleet, by March 1, 2011. The engine inventory shall include make, model, serial number, year of manufacture, primary fuel type, PM emission factor (g/bhp-hr),.and district permit or State registration number for each engine to be used in the fleet average determination.
25. The Responsible Official of a fleet shall submit to the Air Resources Board by March 1, 2011 a list of all low-use engine, engines used exclusively in emergency operations, and alternative-fueled engines added to the fleet prior to January 1, 2009. The list shall include for each engine: make, model, serial number, and district permit or State registration number.
26. The Responsible Official of a fleet shall submit to the Air Resources Board by March 1, 2013, March 1, 2017, and March 1, 2020 a signed statement of compliance that the fleet standards are being achieved. The Statement of compliance shall include for each engine in the fleet: make, model, serial number, fuel type, PM emission factor (g/bhp-hr), and district permit or State registration number. If compliance with the fleet average includes the use of electrification, the Responsible Official shall provide documentation supporting the credit claimed for electrification.
27. As part of each statement of compliance, the Responsible Official shall, if applicable, certify that all alternative-fueled engines included in the fleet average operated at least 100 hours during the previous 12 months prior to the fleet emission standard becoming effective, for all engines exclusively used in emergency applications, the engines were used only for emergency applications, for all engines using the low-use designation, the engines operated no more than 80 hours for the reporting period, and for all portable diesel-fueled engines equipped with SCR, the engine complies with applicable district or Statewide Portable Equipment Registration Program requirements.
28. The Responsible Official of a fleet electing to use electrification in determining the fleet average shall notify prior to the start of the project the Executive Officer of the dates, location of the project, and make, model, serial number, district permit or State registration number of the affected engines. In addition, the notification shall clearly identify the electrification activity, including indicating the amount of electricity used and the time period for the project.

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Item No. 73

Air Resources Board

Linda S. Adams
Secretary for Environmental Protection

Mary D. Nichols, Chairman
1001 I Street • P.O. Box 2815
Sacramento, California 95812 • www.arb.ca.gov

Arnold Schwarzenegger
Governor

Statewide Portable Equipment Registration

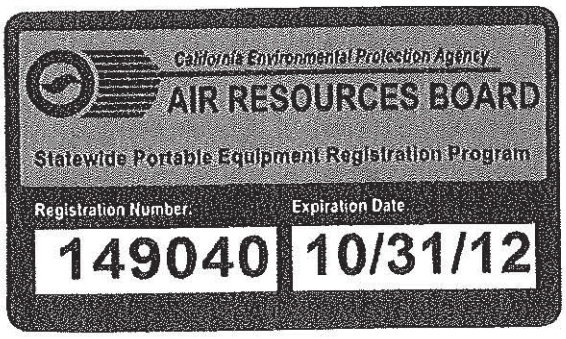
Registration No: 149040

Legal Owner or Operator:	Layne Christensen Company
Mailing Address:	11001 Etiwanda Avenue Fontana, CA 92337

Engine Description:

Certified non-road portable internal combustion engine, compression ignition, Deutz, model D914L06, Serial No: 08780698, (Unit Number: 27MP0009), rated at 116 bhp and diesel fueled.

U.S. EPA Engine Family Name:	7DZXL06.5075
Conditions:	see attached
Home District:	South Coast Air Quality Management District
Engine Inspection Discount:	No inspection discount claimed



Expiration Date: October 31, 2012

Jorge Fernandez
Chief, Program Evaluation Branch
Stationary Source Division

The energy challenge facing California is real. Every Californian needs to take immediate action to reduce energy consumption. For a list of simple ways you can reduce demand and cut your energy costs, see our website: http://www.arb.ca.gov.

California Environmental Protection Agency

page 1

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Statewide Portable Equipment Registration

The following operating conditions apply for registration 149040
Engine Serial No.: 08780698

General Requirements

1. The engine shall be properly maintained and kept in good operating condition at all times.
2. The registration identification sticker shall be affixed in a visible location on the registered portable engine at all times. The metal placard shall be securely affixed on a vertical surface of the portable engine in a location that is readily visible from a distance. A legible copy of the registration certificate and operating conditions shall be kept on site with the portable engine and shall be made accessible to the Air Resources Board or district representative upon request.
3. Engine fuel shall meet standards for California motor vehicle fuels as set forth in Chapter 5, Division 3, Title 13, of the California Code of Regulations, or shall have been verified through the In-Use Strategies to Control Emissions From Diesel Engines verification procedure per Title 13 of the California Code of Regulations commencing with section 2700.
4. The engine and any replacement engine shall not reside at the same location for more than 12 consecutive months.
5. The operation of this engine shall not cause a public nuisance.
6. The engine shall be equipped with operational and properly maintained non-resettable hour time meter.
7. For each rental engine or an engine used in a third party rental transaction, the owner shall provide each person who rents the portable engine with a copy of the registration certificate, including operating conditions, as part of the rental agreement.
8. The operator of a portable engine or equipment unit shall obtain district authorization prior to operation at any specific location where the Statewide registration is not valid.
9. This registration is not valid for operation within the boundaries of the California Outer Continental Shelf and State Territorial Waters.
10. The portable engine shall not be operated under both statewide registration and a district permit at any specific location.
11. This registration is not valid for operation of an engine that powers an equipment unit that has been determined by the Air Resources Board to qualify as part of a stationary source permitted by a district.
12. Except for engines owned by a rental business, the owner/operator of this engine shall contact the local air district prior to operation at an agricultural source.
13. For each rental engine or an engine used in a third party rental transaction, a written copy of the rental or lease agreement must be kept onsite at all times.

The following operating conditions apply for registration 149040
Engine Serial No.: 08780698

Emission Limitations

14. No air contaminant shall be discharged into the atmosphere for a period or periods aggregating more than 3 minutes in any one hour which is as dark or darker than Ringelmann 1 or equivalent to 20% opacity.

Recordkeeping

15. Recordkeeping requirements applicable to a rental engine or an engine that is part of a third party rental transaction shall include the registration number of the engine; date of the start and end of the rental transaction; hours of operation for each rental period; location of use (by district, county or specific location); and written (signed) acknowledgment by each renter of having received the registration certificate and operating conditions. These records shall be maintained at a central location for a minimum of five years, and made accessible to the Air Resources Board or districts upon request.
16. For non-rental engines operating together as a project, records for each project shall be maintained separately for each project and shall consist of the following: the registration number; recordings from an hour meter, fuel meter, or other approved device; the location of the project identified by district, county or specific location; and the dates of the recordings. Readings from the meters shall be recorded prior to the commencement of the operation and at the completion of the project, or if operating at multiple locations within a stationary source, readings shall be recorded at the beginning and end of each calendar week.
17. All records shall be maintained at a central place of business for a minimum of five years, and made accessible to the Air Resources Board or district representative upon request.
18. Records shall be kept when the engine is undergoing service, repair, or maintenance that include recordings from an hour meter, fuel meter, or other approved device and the dates of such recordings.

Reporting & Notification

19. When this engine is sold, the new owner shall submit a change of ownership application within 30 days of the change in ownership. If an application is not received within 30 days of the ownership change, the existing registration is not valid for the new owner until the application has been filed and all applicable fees have been paid.

The following operating conditions apply for registration 149040
Engine Serial No.: 08780698

20. Starting in 2008, the owner of a registered engine shall provide the Air Resources Board with an annual report by March 1st after the end of the reporting year which is signed by the designated responsible official and consisting of: the reporting year, registration number of each engine, and quarterly summaries of either total hours of operation or fuel usage by district or county.
21. Starting in 2008, the owner of a registered rental engine or an engine used in a third party rental transaction shall provide the Air Resources Board with an annual report by March 1st after the end of the reporting year which is signed by the designated responsible official and consisting of: the reporting year, registration number of each engine, and total annual hours of operation for that reporting year, beginning and ending hour meter readings, dates hour meter readings were recorded, list of all counties of operation, and an estimate of the percentage of total hours operated in each listed county.
22. The owner of a registered portable engine shall notify the Executive Officer in writing within five days of replacing the registered portable engine with an identical replacement. The notification shall include company name, the responsible official, phone number, registration number, make, model, rated brake horsepower, and serial number of the identical replacement, description of the mechanical breakdown, and applicable fees.

Fleet Average Requirements

23. Except for low-use engines and engines used exclusively in emergency applications, for engines less than 175 bhp, a weighted fleet average PM emission factor of 0.3 g/bhp-hr shall be met by **January 1, 2013**, 0.18 g/bhp-hr shall be met by **January 1, 2017**, and 0.04 g/bhp-hr shall be met by **January 1, 2020**. Changes in the fleet, including engine additions and deletions, shall not result in noncompliance with this standard.
24. The weighted fleet average PM emission factor shall be calculated by taking the summation of the emission factor for each engine in the fleet multiplied by the bhp rating for each engine and then dividing that summation by the summation of the bhp ratings for all the engines in the fleet.
25. The weighted fleet average PM emission factor calculation shall use the test results from nonroad emission standard certification, test results from a verified emission control strategy as defined in Title 13 of the California Code of Regulations Section 93116.2, or the test results from a SCR system. All test results shall be made available to the Air Resources Board upon request.
26. Where equipment uses grid power for more than 200 hours in lieu of operating a portable diesel engine for a given project, the time period grid power is used may be used to reduce each affected engine's emission factor. The emission factor for each affected portable engine shall be reduced proportionally by the percentage of time the equipment uses grid power.

The following operating conditions apply for registration 149040
Engine Serial No.: 08780698

27. The weighted fleet average PM emission factor shall include all portable engines, including those permitted or registered with a local air district, that are owned and managed by an individual operational entity, such as a business, business unit within a corporation, or individual city or state department under the control of a Responsible Official. Engines that are owned by different business entities that are under the common control of only one Responsible Official shall be treated as a single fleet.

Fleet Recordkeeping

28. Starting January 1, 2012, the responsible official of a fleet shall keep records of annual operating hours for non-diesel fueled portable engines used as part of a company's fleet average, engines affected by the use of electrification, low-use engines, and engines used exclusively in emergency applications.
29. All records pertaining to the fleet average shall be maintained at a central place of business for a minimum of five years, and made accessible to the Air Resources Board or district representative upon request.

Fleet Reporting and Notification

30. The Responsible Official of a fleet shall submit to the Air Resources Board the fleet's weighted average PM emission rate for the 2010 calendar year, including an inventory of portable engines in the fleet, by March 1, 2011. The engine inventory shall include make, model, serial number, year of manufacture, primary fuel type, PM emission factor (g/bhp-hr), and district permit or State registration number for each engine to be used in the fleet average determination.
31. The Responsible Official of a fleet shall submit to the Air Resources Board by March 1, 2011 a list of all low-use engine, engines used exclusively in emergency operations, and alternative-fueled engines added to the fleet prior to January 1, 2009. The list shall include for each engine: make, model, serial number, and district permit or State registration number.
32. The Responsible Official of a fleet shall submit to the Air Resources Board by March 1, 2013, March 1, 2017, and March 1, 2020 a signed statement of compliance that the fleet standards are being achieved. The Statement of compliance shall include for each engine in the fleet: make, model, serial number, fuel type, PM emission factor (g/bhp-hr), and district permit or State registration number. If compliance with the fleet average includes the use of electrification, the Responsible Official shall provide documentation supporting the credit claimed for electrification.

The following operating conditions apply for registration 149040
Engine Serial No.: 08780698

33. As part of each statement of compliance, the Responsible Official shall, if applicable, certify that all alternative-fueled engines included in the fleet average operated at least 100 hours during the previous 12 months prior to the fleet emission standard becoming effective, for all engines exclusively used in emergency applications, the engines were used only for emergency applications, for all engines using the low-use designation, the engines operated no more than 80 hours for the reporting period, and for all portable diesel-fueled engines equipped with SCR, the engine complies with applicable district or Statewide Portable Equipment Registration Program requirements.
34. The Responsible Official of a fleet electing to use electrification in determining the fleet average shall notify prior to the start of the project the Executive Officer of the dates, location of the project, and make, model, serial number, district permit or State registration number of the affected engines. In addition, the notification shall clearly identify the electrification activity, including indicating the amount of electricity used and the time period for the project.

Inspection Requirements

35. Within 45 days after initial issuance or renewal of a registration, the owner or operator shall contact the home district to arrange for inspection to be completed within one year of the initial registration or renewal date. If the engine is operating in a district other than the home district, the owner or operator may request the home district to arrange an inspection by that other district.
36. For the purposes of scheduling inspections of multiple engines in order to qualify for an inspection fee discount, the owner or operator shall submit, within 45 days of initial registration issuance date or by January 30 of each year for renewals, a letter of intent to the home district that shall include an engine list with registration numbers of those to be inspected.
37. The time for the arranged inspection shall be agreed upon in advance between the district and the company. To the extent that an arranged inspection does not fall within the district's normal workday, the district may charge for the off-hour time.
38. If an arranged inspection does not occur due to unforeseen circumstances, the inspection shall be rescheduled for no later than 90 days from the initially scheduled inspection.
39. If the engine is out of California for one year or more following initial registration or renewal, the engine shall be excused from having the arranged inspection provided that within 45 days after the date of initial registration or renewal, the owner sends a letter to the district containing the registration number and a statement that the registered engine or equipment unit is out of California for the one-year period. Upon the return of the engine to California, the owner shall arrange to have the engine inspected within 30 days.

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	Not started
AQSC-3	Delivery areas paved	Prior to taking initial deliveries	Not started
AQSC-3	Unpaved roads stabilized	After construction of road, prior to use	Not started
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 our 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 an dequipment fleet fo rmirror 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 gal	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 gal	162321	LVP/Bechtel Temp Laydown Yard	
10/05/10	Doug Davis	LVP	Kawasaki 952 Frontend Loader	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 Holland	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 test)	07-1095	Colosseum Road	Clean
12/06/10	Doug Davis	Elemental Energy	Utility Truck International C Brand	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 Compressor	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 (mower)	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 United Rentals	1127681	CLA - East	Clean
01/13/11	Doug Davis	Bechtel	Light Towers Magnum United Rentals	1141701	CLA - East	Clean
01/13/11	Doug Davis	Bechtel	Light Towers Magnum United Rentals	1127682	CLA - East	Clean
01/13/11	Doug Davis	Bechtel	Light Towers Magnum United Rentals	1143798	CLA - East	Clean
01/18/11	Doug Davis	Bechtel	Fork Reach Lift Genie GTH 1048	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

Exhibit 5
Drainage, Erosion, and Sediment Control Summary
Condition of Certification
Soil & Water-1

January 2011 Drainage, Erosion, and Sediment Control Summary

Best Management Practices Implemented

Silt fences are located on the down slope (east) side of the roadways and along the common east, common west, Ivanpah II power block, Ivanpah I power block, and Ivanpah I down slope perimeters. Additional silt fences to be added at a later date.

Inspections

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

See the attached inspection reports.

Conclusion

During this reporting period, everything was found to be in compliance with the Storm Water Pollution Prevention Plan.

Visual Inspection Field Log

Risk Level 1, 2, 3 *Visual Inspection Field Log Sheet*						
Date and Time of Inspection: **01/05/2011 Off and on all day**				Report Date: **01/05/11**		
Inspection Type:	■ Weekly	□ Before predicted rain	□ During rain event	□ Following qualifying rain event	□ Contained stormwater release	□ Quarterly non-stormwater

Site Information	
Construction Site Name: **Ivenpah Solar Electric Generating Facility**	
Construction stage and completed activities: **Security fence install in Ivanpah I, grading and filling in Ivanpah I power block and Common East, laying rock along the road ways, and drill rig relocation in Common West**	Approximate area of exposed site:

Weather and Observations			
Date Rain Predicted to Occur: **Tuesday, January 11**		Predicted % chance of rain: **10%**	
Estimate storm beginning: (date and time)	Estimate storm duration: (hours)	Estimate time since last storm: **13 days** (days or hours)	Rain gauge reading: **0.0** (inches)

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

Site Inspections			
Outfalls or BMPs Evaluated		**Deficiencies Noted**	
(add additional sheets or attached detailed BMP Inspection Checklists)			
Silt Fence		**There is damage to a small section of fence along the east side of Coliseum Road near the Old Coliseum Road entrance. Also, there is a small run in Ivanpah II power block that needs to be monitored. Notified Crown Fence and Bechtel craft to make repairs. The rest of the fence appeared to be without defect. (Note: Far end of Ivanpah I not accessible due to work activity.)**	
Photos Taken:	Yes ■	No □	Photo Reference IDs: **01.05.001 and 01.05.002**

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

Inspector Information	
Inspector Name: **Lorie Palkow**	Inspector Title: **Construction Environmental Lead**
Signature: Lorie Palkow	Date: 1/5/11

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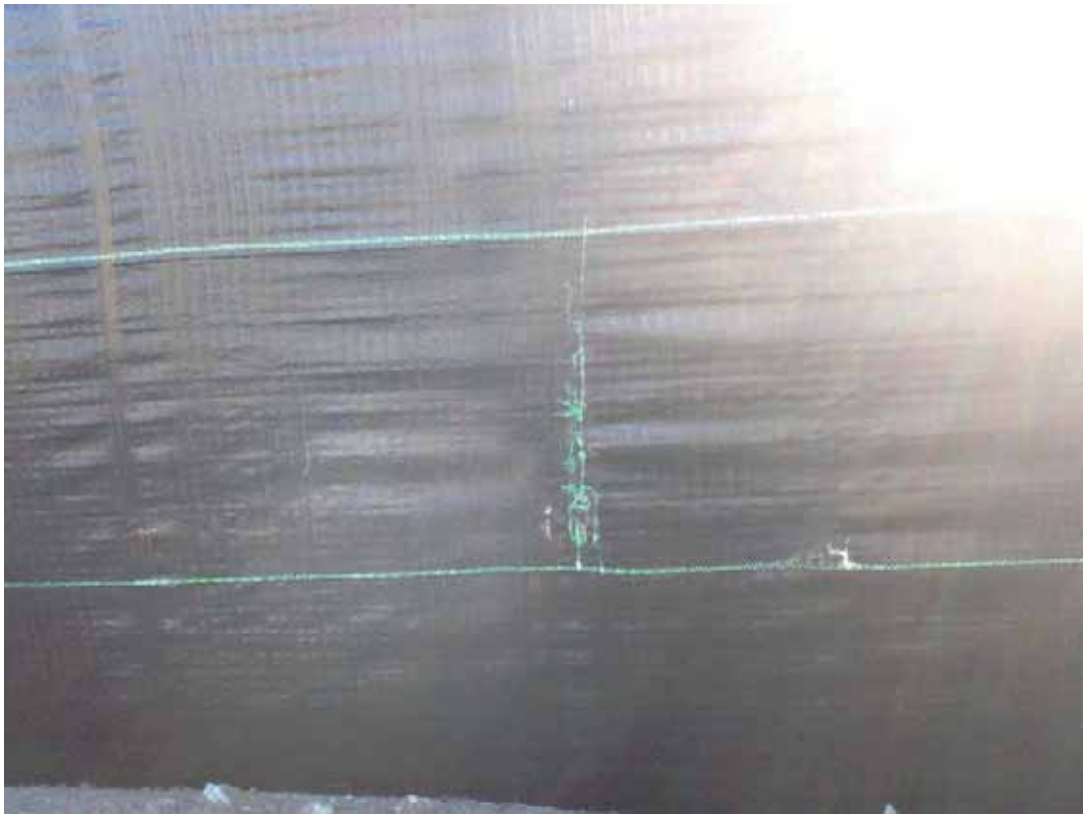

Small tear in fence

Damage to silt fence near old Coliseum road entrance

Visual Inspection Field Log

Risk Level 1, 2, 3 *Visual Inspection Field Log Sheet*						
Date and Time of Inspection: **01/11/2011 930 to 1100 and 1430 to 1630**				Report Date: **01/13/11**		
Inspection Type:	■ Weekly	□ Before predicted rain	□ During rain event	□ Following qualifying rain event	□ Contained stormwater release	□ Quarterly non-stormwater

Site Information	
Construction Site Name: **Ivenpah Solar Electric Generating Facility**	
Construction stage and completed activities: **Security fence install in Ivanpah I, grading and filling in Ivanpah I power block and Common East, laying rock along the road ways, drilling activities in Common West and switch yard.**	Approximate area of exposed site:

Weather and Observations			
Date Rain Predicted to Occur: **Not for the next 10 days**		Predicted % chance of rain: **10%**	
Estimate storm beginning: (date and time)	Estimate storm duration: (hours)	Estimate time since last storm: **21 days** (days or hours)	Rain gauge reading: **0.0** (inches)

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

Site Inspections			
Outfalls or BMPs Evaluated		**Deficiencies Noted**	
(add additional sheets or attached detailed BMP Inspection Checklists)			
Silt Fence		**The area previously noted on Thursday was still in need of repair. The caution tape had been moved by the wind and the area was remarked in order for it to be located by Crown Fence. No new issues were identified.**	
Photos Taken:	Yes ■	No □	Photo Reference IDs: **1.11.001**

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

Inspector Information		
Inspector Name: **Lorie Palkow**	Inspector Title: **Construction Environmental Lead**	
Signature: Lorie Palkow		Date: 1/13/11

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New silt fence installed in Common West

Visual Inspection Field Log

Risk Level 1, 2, 3 *Visual Inspection Field Log Sheet*						
Date and Time of Inspection: **01/18/2011 off and on all day**				Report Date: **01/24/11**		
Inspection Type:	■ Weekly	□ Before predicted rain	□ During rain event	□ Following qualifying rain event	□ Contained stormwater release	□ Quarterly non-stormwater

Site Information	
Construction Site Name: **Ivenpah Solar Electric Generating Facility**	
Construction stage and completed activities: **Security fence install in Ivanpah I, grading and filling in Ivanpah I power block and Common East, drilling activities in Common West and switch yard.**	Approximate area of exposed site:

Weather and Observations			
Date Rain Predicted to Occur: **February 1, 2011**		Predicted % chance of rain: **10%**	
Estimate storm beginning: (date and time)	Estimate storm duration: (hours)	Estimate time since last storm: **26 days** (days or hours)	Rain gauge reading: **0.0** (inches)

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

Site Inspections			
Outfalls or BMPs Evaluated		**Deficiencies Noted**	
(add additional sheets or attached detailed BMP Inspection Checklists)			
Silt Fence		**The tear along Coliseum Road has been repaired. Still monitoring the other areas in Ivanpah II, and repairs will be requested as needed.**	
Photos Taken:	Yes ■	No □	Photo Reference IDs: **1.18.001**

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

Inspector Information	
Inspector Name: **Lorie Palkow**	Inspector Title: **Construction Environmental Lead**
Signature: Lorie Palkow	Date: 1/24/11

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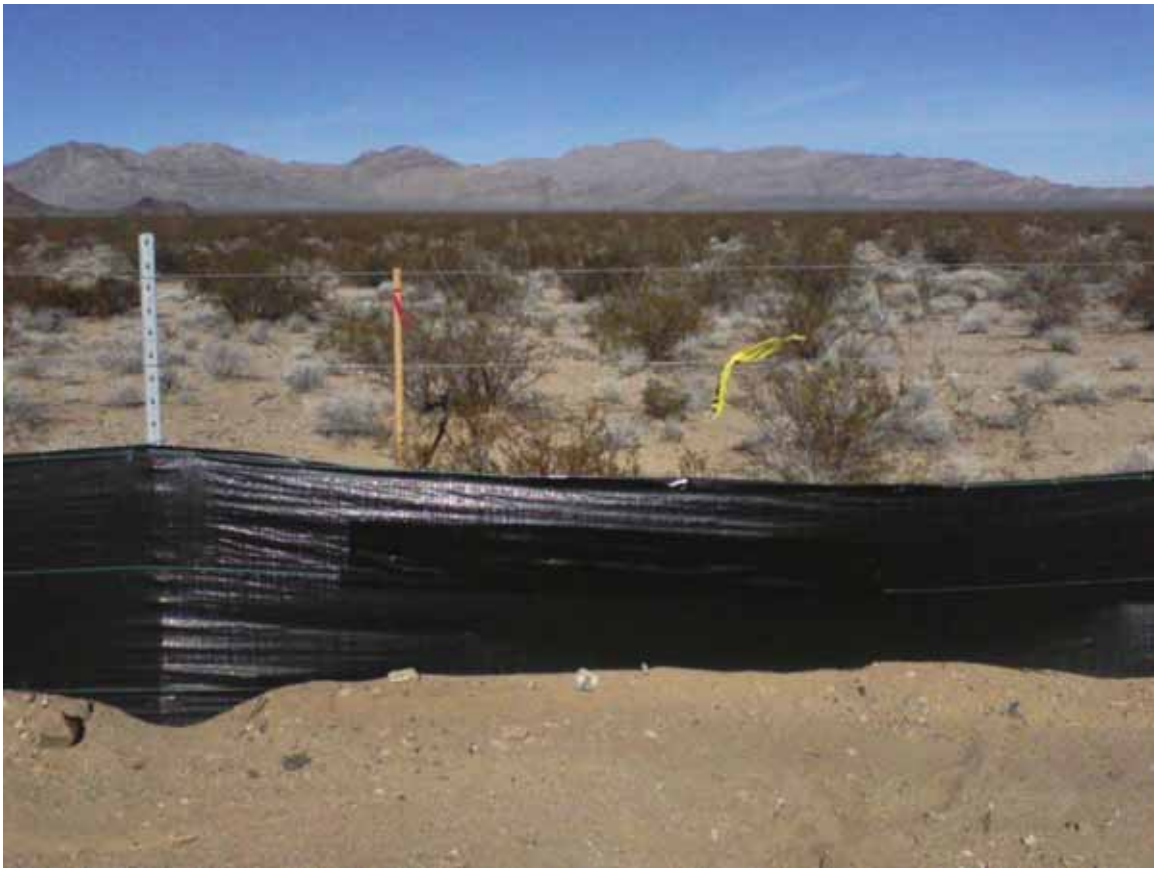

Repaired fence

Visual Inspection Field Log

Risk Level 1, 2, 3 *Visual Inspection Field Log Sheet*						
Date and Time of Inspection: **01/24/2011 1400 - 1530 and 01/25/10 1030 - 1200**				Report Date: **01/25/11**		
Inspection Type:	■ Weekly	□ Before predicted rain	□ During rain event	□ Following qualifying rain event	□ Contained stormwater release	□ Quarterly non-stormwater

Site Information	
Construction Site Name: **Ivenpah Solar Electric Generating Facility**	
Construction stage and completed activities: **Security fence install in Ivanpah I, grading and filling and in Ivanpah I power block, laying down rock in Ivanpah I power block, monitor well installation in Common East**	Approximate area of exposed site:

Weather and Observations			
Date Rain Predicted to Occur: **Not for 10 days**		Predicted % chance of rain: **NA**	
Estimate storm beginning: (date and time)	Estimate storm duration: (hours)	Estimate time since last storm: **34 days** (days or hours)	Rain gauge reading: **0.0** (inches)

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

Site Inspections			
Outfalls or BMPs Evaluated		**Deficiencies Noted**	
(add additional sheets or attached detailed BMP Inspection Checklists)			
Silt Fence		**A small tear was identified in Ivanpah II Power Block. A request was submitted to have the damage repaired. No other issues were identified in any of the other silt fence locations.**	
Lake Bed		**Lake bed is almost completely dry.**	
Photos Taken:	Yes ■	No □	Photo Reference IDs: **1.24.001**

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

Inspector Information	
Inspector Name: **Lorie Palkow**	Inspector Title: **Construction Environmental Lead**
Signature: Lori Palkow	Date: 1/25/11

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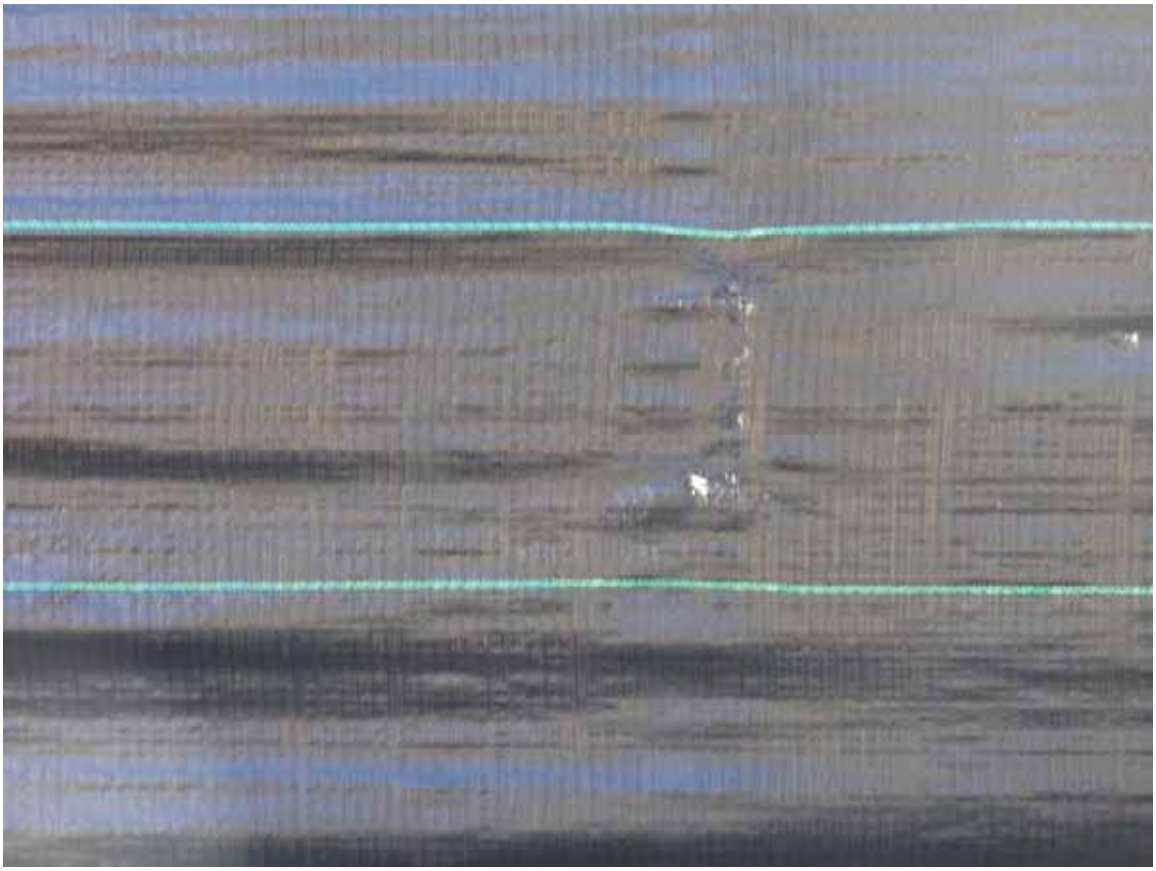

Damaged area in Ivanpah II Power Block

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
January 2011 Worker Environmental Awareness Program Summary

The total number of workers trained under the Ivanpah SEGS Worker Environmental Awareness Program (WEAP) as of the end of January was 669. 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 669 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 January are attached.

Ivanpah SEGS WEAP Training Log

Last Name	First Name	Company	Date of WEAP Training	Sticker	Training Renewal Date
Hiss	Amy	CH2MHill	9/20/2010	yes	9/20/2011
Esposito	Brian	Native Resources	9/20/2010	yes	9/20/2011
Varner	Brian	Crown Fence	9/20/2010	yes	9/20/2011
Kindell	Chris	BrightSource Energy	9/20/2010	yes	9/20/2011
Fitzgerald	Danny	Las Vegas Paving	9/20/2010	yes	9/20/2011
Davis	Doug	BrightSource Energy	9/20/2010	yes	9/20/2011
Espitia	Evert	Crown Fence	9/20/2010	yes	9/20/2011
Fine	Fred	Bechtel Corp	9/20/2010	yes	9/20/2011
Spaulding	Geoffrey	CH2MHill	9/20/2010	yes	9/20/2011
Fairchild	Holly	SNEI	9/20/2010	NO	9/20/2011
Deason	Jeff	Native Resources	9/20/2010	yes	9/20/2011
Hayes	Jeff	Crown Fence	9/20/2010	yes	9/20/2011
Craig	Jill	Native Resources	9/20/2010	yes	9/20/2011
Witt	Jim	Las Vegas Paving	9/20/2010	yes	9/20/2011
Hereda	Jose	Crown Fence	9/20/2010	yes	9/20/2011
Pina	Jose	Native Resources	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
Espinoza	Liango	Native Resources	9/20/2010	yes	9/20/2011
Lopez Fragoso	Margarito	Crown Fence	9/20/2010	yes	9/20/2011
Minic	Marija	SNEI	9/20/2010	yes	9/20/2011
Lukach	Michael	SNEI	9/20/2010	yes	9/20/2011
Pulido	Mitchell	Las Vegas Paving	9/20/2010	yes	9/20/2011
Schell	Paul	RBF	9/20/2010	yes	9/20/2011
Rodriguez	Petronilo	Crown Fence	9/20/2010	yes	9/20/2011
Allan	Rebecca	CH2MHill	9/20/2010	yes	9/20/2011
Thomas	Richard	Las Vegas Paving	9/20/2010	yes	9/20/2011
Blankemeyer	Tony	Crown Fence	9/20/2010	yes	9/20/2011
Wheaton	Tracie	BrightSource Energy	9/20/2010	yes	9/20/2011
Cruz	Tyler	Crown Fence	9/20/2010	yes	9/20/2011
Hernandez	Victor	Native Resources	9/20/2010	yes	9/20/2011
Zaragoza	Alfonzo	Union Local 783	9/30/2010	yes	9/30/2011
Chavez Jr.	Alfred	Crown Fence	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
Braden	Charles	Crown Fence	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

Revised by TAW 2/7/2011

Ivanpah SEGS WEAP Training Log

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
Windh	Jason	Crown Fence	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
Bertrand	Kevin	BrightSource Energy	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
Carney	Matthew	Bechtel Corp	9/30/2010	yes	9/30/2011
Jiminez	Michael	Crown Fence	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
Kung	Mike	Teamsters 166	9/30/2010	yes	9/30/2011
Tim	Miller	Union Local 783	9/30/2010	yes	9/30/2011
Durham	Nolan	Crown Fence	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
Mendoza	Raymond	Crown Fence	9/30/2010	yes	9/30/2011
Pelley	Robert	Crown Fence	9/30/2010	yes	9/30/2011
Stanley	Robert	Teamsters 166	9/30/2010	yes	9/30/2011
Yanez	Robert	Union Local 783	9/30/2010	yes	9/30/2011
Briones	Rod	SoCal Laborers Apprenticeship	9/30/2010	yes	9/30/2011
Briseno	Rudy	Crown Fence	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
Laird	Bradley	Crown Fence	10/1/2010	yes	10/1/2011
Gates	Cecil	Crown Fence	10/1/2010	yes	10/1/2011
Haley	Chris	Addison Equipment	10/1/2010	yes	10/1/2011
Hoskins	Chris	Crown Fence	10/1/2010	yes	10/1/2011
Wilkins	Clarence	Crown Fence	10/1/2010	yes	10/1/2011

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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
Fellabaum	Jason	Addison Equipment	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
Darling	Randy	Addison Equipment	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
Nance	Adam	Native Resources	10/6/2010	yes	10/6/2011
Depremesnil	Alain	Sundance Biology	10/6/2010	yes	10/6/2011
Scheib	Amanda	Sundance Biology	10/6/2010	yes	10/6/2011
Siegelstein	Andrew	BrightSource Energy	10/6/2010	yes	10/6/2011
Spenceley	Ashley	Sundance Biology	10/6/2010	yes	10/6/2011
Scurlock	Barrett	Knight and Leavitt	10/6/2010	yes	10/6/2011
Jones	Bill	Bureau Veritas	10/6/2010	yes	10/6/2011
Cancellieri	Bob	Sunstate	10/6/2010	yes	10/6/2011
Shaffer	Brandon	Las Vegas Paving	10/6/2010	yes	10/6/2011
Blossen	Bret	Sundance Biology	10/6/2010	yes	10/6/2011
Gironard	Brian	Trimble Navigation	10/6/2010	yes	10/6/2011
Boyer	Bruce	Bureau Veritas	10/6/2010	yes	10/6/2011
Hoffman	Bryan	Hercules Machinery	10/6/2010	yes	10/6/2011
Aguilar	Carlos	BrightSource Energy	10/6/2010	yes	10/6/2011
Halley	Cathy	Phoenix Ecological	10/6/2010	yes	10/6/2011
Llewellyn	Chandra	Sundance Biology	10/6/2010	yes	10/6/2011
Halley	Chris	Phoenix Ecological	10/6/2010	yes	10/6/2011
Podlorski	Chris	Trimble Navigation	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
Mallon	Collin	Bechtel Corp	10/6/2010	yes	10/6/2011
Himmelweight	Craig	Sundance Biology	10/6/2010	yes	10/6/2011
Cogar	Crystal	Knight and Leavitt	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
Peressini	Dan	Las Vegas Paving	10/6/2010	yes	10/6/2011
George	Dave	Trimble Navigation	10/6/2010	yes	10/6/2011
Byram	David	Hercules Machinery	10/6/2010	yes	10/6/2011
Carns	David	Cashman Equipment	10/6/2010	yes	10/6/2011
Ekenstam	DeVon	Knight and Leavitt	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
Zylstra	Erin	Sundance Biology	10/6/2010	yes	10/6/2011
Aguilar	Francisco	Native Resources	10/6/2010	yes	10/6/2011

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Martinez	Gavino	Native Resources	10/6/2010	yes	10/6/2011
Drollinger	Gene	Knight and Leavitt	10/6/2010	yes	10/6/2011
Keyes Jr.	George	Sundance Biology	10/6/2010	yes	10/6/2011
Goodlett	Gilbert	Enviro Plus Consulting	10/6/2010	yes	10/6/2011
Jensen	Jack	Cashman Equipment	10/6/2010	yes	10/6/2011
Smith	Jacquelyn	Sundance Biology	10/6/2010	yes	10/6/2011
Torres	Jaime	Securitas	10/6/2010	yes	10/6/2011
Jordan	Jake	Native Resources	10/6/2010	yes	10/6/2011
Widdison	Jason	Cashman Equipment	10/6/2010	yes	10/6/2011
Meyers	Jay	Sundance Biology	10/6/2010	yes	10/6/2011
Phillips	Jeff	Las Vegas Paving	10/6/2010	yes	10/6/2011
Valentine	Jeff	Sundance Biology	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
Reilly	Jessica	Sundance Biology	10/6/2010	yes	10/6/2011
Ivany	Jim	Bechtel Corp	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
Holloway	Josh	Phoenix Ecological	10/6/2010	yes	10/6/2011
Morales	Juan	Native Resources	10/6/2010	yes	10/6/2011
Murphy	Kelly	Las Vegas Paving	10/6/2010	yes	10/6/2011
Lauer	Kenneth	Bechtel Corp	10/6/2010	yes	10/6/2011
Pavliscak	Laura	Sundance Biology	10/6/2010	yes	10/6/2011
Gainey	Leonard	Las Vegas Paving	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
Jones	Marilyn	Securitas	10/6/2010	yes	10/6/2011
Jones	Marilyn	Securitas	10/6/2010	yes	10/6/2011
Tobin	Mark	Bureau Veritas	10/6/2010	yes	10/6/2011
Wagner	Mark	Bechtel Corp	10/6/2010	yes	10/6/2011
Havellea	Max	Sundance Biology	10/6/2010	yes	10/6/2011
Stevens	Melinda	Knight and Leavitt	10/6/2010	yes	10/6/2011
Vaughn	Mercy	Sundance Biology	10/6/2010	yes	10/6/2011
Warren	Michele	Las Vegas Paving	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
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
Gerke	Nicholas	Cashman Equipment	10/6/2010	yes	10/6/2011
Stephens	Nicole	Sundance Biology	10/6/2010	yes	10/6/2011
Orr	Ophir	BrightSource Energy	10/6/2010	yes	10/6/2011
Lamb	Pat	Soil Tech	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
Woodman	Peter	Kiva Biological	10/6/2010	yes	10/6/2011
Deschen	Phillip	Cashman Equipment	10/6/2010	yes	10/6/2011

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Day	Rainey	BrightSource Energy	10/6/2010	yes	10/6/2011
Crawford	Richard	Sundance Biology	10/6/2010	yes	10/6/2011
Griffith	Richard	Las Vegas Paving	10/6/2010	yes	10/6/2011
Regalado	Robert	Bechtel Corp	10/6/2010	yes	10/6/2011
Flint	Ronald	Securitas	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
Young	Ryan	Phoenix Ecological	10/6/2010	yes	10/6/2011
Cadenas	Santos	Securitas	10/6/2010	yes	10/6/2011
Regan	Sean	Las Vegas Paving	10/6/2010	yes	10/6/2011
Stevens	Sirena	Securitas	10/6/2010	yes	10/6/2011
Callahan	Steve	Cashman Equipment	10/6/2010	yes	10/6/2011
DeYoung	Steve	BrightSource Energy	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
Vosler	Terry	Bureau Veritas	10/6/2010	yes	10/6/2011
Carter	Tex	Las Vegas Paving	10/6/2010	yes	10/6/2011
Jackson	Thomas	Phoenix Ecological	10/6/2010	yes	10/6/2011
Stewart	Todd	BrightSource Energy	10/6/2010	yes	10/6/2011
Bartels	Tom	Sundance Biology	10/6/2010	yes	10/6/2011
Dame	Tom	Hercules Machinery	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
Scott	Tracy	Sundance Biology	10/6/2010	yes	10/6/2011
Hildreth	Troy	Las Vegas Paving	10/6/2010	yes	10/6/2011
Langi	Uinimila	Securitas	10/6/2010	yes	10/6/2011
Cudmore	Walt	Bechtel Corp	10/6/2010	yes	10/6/2011
Reynolds	Warren	Securitas	10/6/2010	yes	10/6/2011
Ball	Wayne	Sundance Biology	10/6/2010	yes	10/6/2011
Boarman	William	CSRC	10/6/2010	yes	10/6/2011
Speakman	William	Las Vegas Paving	10/6/2010	yes	10/6/2011
Weise	Bruce	Sundance Biology	10/7/2010	yes	10/7/2011
Helton	Clinton	CH2MHill	10/7/2010	yes	10/7/2011
Jundt	Jonathan	Cashman Equipment	10/7/2010	yes	10/7/2011
Rojansky	Michael	BrightSource II	10/8/2010	yes	10/8/2011
Varra	Antonio	Las Vegas Paving	10/11/2010	yes	10/11/2011
Edens	Ava	CH2MHill	10/11/2010	yes	10/11/2011
Nosratbakhsh	Brenden	Sundance Biology	10/11/2010	yes	10/11/2011
Porizek	Brett	Las Vegas Paving	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
Eytani	Danny	BrightSource Energy	10/11/2010	yes	10/11/2011
Prival	David	Sundance Biology	10/11/2010	yes	10/11/2011
Feldman	Emily	Geovision	10/11/2010	yes	10/11/2011
Baca	Gilbert	Bureau Veritas	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

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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
Botelho	Jennifer	ENGEO	10/11/2010	yes	10/11/2011
Sargent	Jim	IUOE Local 12	10/11/2010	yes	10/11/2011
Gray	Joe	ENGEO	10/11/2010	yes	10/11/2011
Barratt	Jonathan	Sundance Biology	10/11/2010	yes	10/11/2011
Molitor	Kirk	Las Vegas Paving	10/11/2010	yes	10/11/2011
Mjos	Leif	Sundance Biology	10/11/2010	yes	10/11/2011
Palkow	Lorie	Bechtel Corp	10/11/2010	yes	10/11/2011
Brouwer	Mark	Sundance Biology	10/11/2010	yes	10/11/2011
Zafra	Marvin	Las Vegas Paving	10/11/2010	yes	10/11/2011
Bassett	Mike	Sundance Biology	10/11/2010	yes	10/11/2011
Patel	Nimesh	Geotherm	10/11/2010	yes	10/11/2011
Lam	Patrick	ENGEO	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
Barajas	Rafael	Las Vegas Paving	10/11/2010	yes	10/11/2011
Watkins	Randall	Knight and Leavitt	10/11/2010	yes	10/11/2011
Hertel	Ron	Bechtel Corp	10/11/2010	yes	10/11/2011
Corrat	Sabino	Las Vegas Paving	10/11/2010	yes	10/11/2011
Jabbour	Samuel	Bechtel Corp	10/11/2010	yes	10/11/2011
Hillard	Scott	SBE	10/11/2010	yes	10/11/2011
Dunbar	Steve	Las Vegas Paving	10/11/2010	yes	10/11/2011
Gonzalez	Victor	Geovision	10/11/2010	yes	10/11/2011
Middleton	Wendy	Sundance Biology	10/11/2010	yes	10/11/2011
Clark	William	CH2MHill	10/11/2010	yes	10/11/2011
Sessions	Adam	Bureau Veritas	10/18/2010	yes	10/18/2011
Wiley	Bob	Teamsters 166	10/18/2010	yes	10/18/2011
O'Brien	Brenden	Sundance Biology	10/18/2010	yes	10/18/2011
Parker	Cary	IUOE Local 12	10/18/2010	yes	10/18/2011
Dahle	Chuck	Las Vegas Paving	10/18/2010	yes	10/18/2011
Rubinfeld	Corey	Kiva Biological	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
Boskovich	Dale	Construction Testing	10/18/2010	yes	10/18/2011
Ewens	Daniel	CH2MHill	10/18/2010	yes	10/18/2011
Petersen	Harry	Construction Testing	10/18/2010	yes	10/18/2011
Jones	Jeremy	Las Vegas Paving	10/18/2010	yes	10/18/2011
Buffington	Jim	Sundance Biology	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
Duarte	Jose	Teamsters 166	10/18/2010	yes	10/18/2011
Douglas	Joseph	CEC	10/18/2010	yes	10/18/2011
Griffithe	Kenneth	Bureau Veritas	10/18/2010	yes	10/18/2011
Foley	Kristine	Sundance Biology	10/18/2010	yes	10/18/2011
Kruger	Mark	Addison Equipment	10/18/2010	yes	10/18/2011

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Ansari	Odin	Bureau Veritas	10/18/2010	yes	10/18/2011
Jorden	Rob	Davis Glass	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
Mach	Alex	Kiva Biological	10/21/2010	yes	10/21/2011
Steely	Alex	Kiva Biological	10/21/2010	yes	10/21/2011
Wiley	Amy	Sundance Biology	10/21/2010	yes	10/21/2011
Firmin	Andy	ENGEO	10/21/2010	yes	10/21/2011
Abesassis	Clark	Las Vegas Paving	10/21/2010	yes	10/21/2011
Cisco	Fred	Bechtel Corp	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
Holmes	Ken	Sundance Biology	10/21/2010	yes	10/21/2011
Walsh	Kevin	Cerba Environmental	10/21/2010	yes	10/21/2011
Habersaat	Leland	Jensen Drilling	10/21/2010	yes	10/21/2011
Jenkins	Mat	Las Vegas Paving	10/21/2010	yes	10/21/2011
Cottingham	Paul	ENGEO	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
Alvarado	Roberto	Jensen Drilling	10/21/2010	yes	10/21/2011
Holbek	Suren	Sundance Biology	10/21/2010	yes	10/21/2011
Minzer	Toby	Las Vegas Paving	10/21/2010	yes	10/21/2011
Keller	Aaron	Kiva Biological	10/25/2010	yes	10/25/2011
Skromme	Arik	Kiva Biological	10/25/2010	yes	10/25/2011
Hanley	Brenda	Sundance Biology	10/25/2010	yes	10/25/2011
Hatton	Christina	Kiva Biological	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
Mohlmann	Jake	Sundance Biology	10/25/2010	yes	10/25/2011
Llamas	Joe	Las Vegas Paving	10/25/2010	yes	10/25/2011
Cassidy	John	Bechtel Corp	10/25/2010	yes	10/25/2011
Hillman	John	Sundance Biology	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
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
Livingston	Patrick	Sundance Biology	10/25/2010	yes	10/25/2011
Snapp	Randy	Bechtel Corp	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

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Koich	Tim	Las Vegas Paving	10/25/2010	yes	10/25/2011
Rasmussen	Tony	Kiva Biological	10/25/2010	yes	10/25/2011
Taylor	Tracy	Sundance Biology	10/25/2010	yes	10/25/2011
Ose	Trevor	Kiva Biological	10/25/2010	yes	10/25/2011
Davis	Adrian	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
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
Villareal	Gabriel	Ironworkers 433	10/26/2010	yes	10/26/2011
Copeland	Ian	Bechtel Corp	10/26/2010	yes	10/26/2011
Charles Jr	Joe	Las Vegas Paving	10/26/2010	yes	10/26/2011
Brown	John	IBEW 477	10/26/2010	yes	10/26/2011
Acosta	Johnny	Las Vegas Paving	10/26/2010	yes	10/26/2011
Platten	Kenneth	Teamsters 166	10/26/2010	yes	10/26/2011
Butler	Mark	Las Vegas Paving	10/26/2010	yes	10/26/2011
Bird	Matt	Bechtel Corp	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	Perry	IBEW 477	10/26/2010	yes	10/26/2011
Dienes	Robert	Las Vegas Paving	10/26/2010	yes	10/26/2011
Goins	Robert	Teamsters 166	10/26/2010	yes	10/26/2011
Nairn	Rowan	Bechtel Corp	10/26/2010	yes	10/26/2011
Hester	Ryan	Las Vegas Paving	10/26/2010	yes	10/26/2011
Hurshman	Tom	BLM	10/26/2010	yes	10/26/2011
Carter	Charles	Geovision	11/1/2010	yes	11/1/2011
Campos	David	Bechtel Corp	11/1/2010	yes	11/1/2011
Cardenas	Gloriella	CH2MHill	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
Duarte	Vincent	Crown Fence	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

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Carrier	John	CH2MHill	11/3/2010	yes	11/3/2011
Nishida	Joy	California Energy Com	11/3/2010	yes	11/3/2011
Forrest	Kathleen	California Energy Com	11/3/2010	yes	11/3/2011
Finn	Mary	CH2MHill	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
Tie	Bruce	CTS	11/8/2010	yes	11/8/2011
Walls	Butch	EDM Services	11/8/2010	yes	11/8/2011
Sanderson	Deanna	Sundance Biology	11/8/2010	yes	11/8/2011
Post	G.L.	Bechtel Corp	11/8/2010	yes	11/8/2011
Smith	Keith	Crown Fence	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
McGehee	Tim	Elemental Energy	11/8/2010	yes	11/8/2011
Lamont	William	Securitas	11/8/2010	yes	11/8/2011
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
Ravotta	Christian	Bechtel Corp	11/15/2010	yes	11/15/2011
Branker	Cory	Bureau Veritas	11/15/2010	yes	11/15/2011
Sikorski	David	Las Vegas Paving	11/15/2010	yes	11/15/2011
Boleman	Eyal	BrightSource	11/15/2010	yes	11/15/2011
Fallon	Guy, Sr.	Las Vegas Paving	11/15/2010	yes	11/15/2011
Burnett	Harvey	Securitas	11/15/2010	yes	11/15/2011
White	Jacob	ENGEO	11/15/2010	yes	11/15/2011
Witt	Jessica	Bechtel Corp	11/15/2010	yes	11/15/2011
Kline	Jim	Jet Drill	11/15/2010	yes	11/15/2011
Jenkins	Joshua	Las Vegas Paving	11/15/2010	yes	11/15/2011
Coleman	Mark	Bechtel Corp	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
Turner	Mike	ENGEO	11/15/2010	yes	11/15/2011
Boone	Morris	Bechtel Corp	11/15/2010	yes	11/15/2011
Steller	Robert	Geovision	11/15/2010	yes	11/15/2011
Davis	Stephen	Las Vegas Paving	11/15/2010	yes	11/15/2011
Koning	Thomas	Securitas	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
Taylor	Tommy	Jet Drill	11/15/2010	yes	11/15/2011
Dynbar	Troy	Bechtel Corp	11/15/2010	yes	11/15/2011
Eylat	Udi	BrightSource	11/15/2010	yes	11/15/2011
Perez	Alfonso, Jr.	Layne Christensen	11/22/2010	yes	11/22/2011
Witrago	Antonio	Layne Christensen	11/22/2010	yes	11/22/2011
Thomas	Edison	Layne Christensen	11/22/2010	yes	11/22/2011
Amezquita	Hugo	Layne Christensen	11/22/2010	yes	11/22/2011
Guzman	Juan	Layne Christensen	11/22/2010	yes	11/22/2011

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Weddle	Justin	Las Vegas Paving	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
Shelley	Mike	Bechtel Corp	11/22/2010	yes	11/22/2011
Canning	Shawn	Las Vegas Paving	11/22/2010	yes	11/22/2011
Turnnsey	Thomas	Bureau Veritas	11/22/2010	yes	11/22/2011
Olveda	Victor	Layne Christensen	11/22/2010	yes	11/22/2011
Bautista	Brian	Layne Christensen Christensen	11/29/2010	yes	11/29/2011
Fong	Carlos	Las Vegas Paving	11/29/2010	yes	11/29/2011
Chhetri	Dilip	Bechtel Corp	11/29/2010	yes	11/29/2011
Grace	Gary	Layne Christensen Christensen	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
Hernandez	Jorge	Layne Christensen Christensen	11/29/2010	yes	11/29/2011
Alba	Jose	Layne Christensen Christensen	11/29/2010	yes	11/29/2011
Serna	Jose	Layne Christensen Christensen	11/29/2010	yes	11/29/2011
Evans	Mark	Layne Christensen Christensen	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
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
Layland	William	Las Vegas Paving	11/29/2010	yes	11/29/2011
Dan	Amit	BrightSource	12/6/2010	yes	12/6/2011
Arguesta	Asucar	40 Roosters	12/6/2010	yes	12/6/2011
Fertall	Corey	Quick Set	12/6/2010	yes	12/6/2011
Tate	Dan	Caterpillar	12/6/2010	yes	12/6/2011
Ayers	David	Quick Set	12/6/2010	yes	12/6/2011
Molind	David	Tony's Mobile Homes	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
Prado	Fodasio	40 Roosters	12/6/2010	yes	12/6/2011
Martin	Gregg	Bechtel Corp	12/6/2010	yes	12/6/2011
Nunez	Guadalupe	40 Roosters	12/6/2010	yes	12/6/2011
Huss	Hagai	BrightSource	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
Dominguez	Jacob	Las Vegas Paving	12/6/2010	yes	12/6/2011
Grubbs	James	Layne Christensen	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
Gibson	Jim	Caterpillar	12/6/2010	yes	12/6/2011
Gagliamello	Joe	Bechtel Corp	12/6/2010	yes	12/6/2011
Ville	Jose	Tony's Mobile Homes	12/6/2010	yes	12/6/2011
Yost	Kenny	Quick Set	12/6/2010	yes	12/6/2011
Argueta	Lewis	Tony's Mobile Homes	12/6/2010	yes	12/6/2011

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Gutierrez	Manuel	40 Roosters	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
Shell	Mike	Las Vegas Paving	12/6/2010	yes	12/6/2011
Snider	Randy	Cashman Equipment	12/6/2010	yes	12/6/2011
Argueta	Robert	Scottman	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
Melder	Scott	Cashman Equipment	12/6/2010	yes	12/6/2011
Argueta	Sergio	40 Roosters	12/6/2010	yes	12/6/2011
Keyes Jr.	Stephen	BrightSource	12/6/2010	yes	12/6/2011
Goodle	Theron	Quick Set	12/6/2010	yes	12/6/2011
Willams	Timothy	BrightSource	12/6/2010	yes	12/6/2011
Hayden	BJ	Carpenters	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
Shaver	David	Sheet Metal	12/10/2010	yes	12/10/2011
Crouch	Frank	CPU Ent In BSIM	12/10/2010	yes	12/10/2011
McCaslund	Kenny	COD Teamster 166	12/10/2010	yes	12/10/2011
Luna	Rudy Jr.	Cement Mason Local #500	12/10/2010	yes	12/10/2011
Davidson	John	Teamster Apprentice	12/10/2010	yes	12/10/2011
Hall	David	IBEW 477	12/10/2010	yes	12/10/2011
Mendenhall	Carl	IUOE Local 12	12/10/2010	yes	12/10/2011
Gonzales	Gary	IBEW 477	12/10/2010	yes	12/10/2011
Friel	Duane	IUOE Local 12	12/10/2010	yes	12/10/2011
Elliott	Jerry	UA 250	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
Zepeda	Fernanco	HFIAW Local #5	12/10/2010	yes	12/10/2011
Long	Peggy	IBEW 477	12/10/2010	yes	12/10/2011
CalPine	Ryan	Local 109	12/10/2010	yes	12/10/2011
Thomas	Mark	#92	12/10/2010	yes	12/10/2011
Gleason	Jeff	Boudmader 92	12/10/2010	yes	12/10/2011
Enriquez	Marcos	Cement Mason Local #500	12/10/2010	yes	12/10/2011
O'Dell	Dale	UA LU 699	12/10/2010	yes	12/10/2011
Nead	Rene	Glaziers 636	12/10/2010	yes	12/10/2011
Perez	Bill	BCTC	12/10/2010	yes	12/10/2011
Edwards	Richard	UA Local 364	12/10/2010	yes	12/10/2011
Lopez	Alex	IUPAT/DC 36	12/10/2010	yes	12/10/2011
Fritchel	Dave	Plasters 200	12/10/2010	yes	12/10/2011
Robinson	Chris	Dielco Crane	12/13/2010	yes	12/13/2011
Felkins	Steve	Dielco Crane	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

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Myers	Larry	LVP	12/13/2010	yes	12/13/2011
Villalorsos	Bernabe	Layne	12/13/2010	yes	12/13/2011
Lewis	Grant	LVP	12/13/2010	yes	12/13/2011
Schaaf	Dumah	Bechtel Corp	12/13/2010	yes	12/13/2011
DelCastillo	Daniel	Bechtel Corp	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
Campuzano	Mike	LVP	12/13/2010	yes	12/13/2011
Leaser	Kelly	LVP	12/13/2010	yes	12/13/2011
Perry	Breck	LVP	12/13/2010	yes	12/13/2011
Wilson	Jay	Bechtel Corp	12/13/2010	yes	12/13/2011
Shannon	Marty	LVP	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
Schultz	Lee	Abatix	12/13/2010	yes	12/13/2011
Asgari	Kavon	Abatix	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
Hall	Anthony	LVP	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
Crotteau	Brad	PG&E	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
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
Basinger	Mike	E - E	12/20/2010	yes	12/20/2011
Carter	Daniel	Bechtel Corp	12/20/2010	yes	12/20/2011
Esser	Joseph	Dicko	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
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
Flanagan	Eddie	Securitas	12/20/2010	yes	12/20/2011
Greenway	Howard	Bechtel Corp	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

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Lidetenhah	Ray	Bechtel Corp	1/3/2011	yes	1/3/2012
Wallace	Jesus	Crown Fence	1/3/2011	yes	1/3/2012
Rodriguez	Felipe	Bechtel Corp	1/3/2011	yes	1/3/2012
Martinez	David	Bechtel Corp	1/3/2011	yes	1/3/2012
Cosner	Neal	Bechtel Corp	1/3/2011	yes	1/3/2012
Vasquez	Jay	P&F Distributors	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
Benson	Pamela	Securitas	1/3/2011	yes	1/3/2012
Wilke	Marc	Pac-Van	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
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
Hurry	Brian	Sunstate Equipment	1/10/2011	Yes	1/10/2012
Kennedy	Dale	Elemental Energy	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
Seifert	Mark	LVP	1/10/2011	Yes	1/10/2012
Brown	Robert	Sunstate Equipment	1/10/2011	Yes	1/10/2012
Harbett	Rick	Sunstate Equipment	1/10/2011	Yes	1/10/2012
Gallardo	Joe	Fasteners Inc.	1/10/2011	Yes	1/10/2012
Martinez	Rafael	Fasteners Inc.	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
Gonzalez	Paul	LVP	1/10/2011	Yes	1/10/2012
Martin	Matthew	LVP	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

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Stieglitz	Jeff	BrightSource	1/10/2011	Yes	1/10/2012
Henry	Lloyd Jr.	Bechtel Corp	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
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
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
Short	J. Daniel	Sunstate Equipment	1/18/2011	yes	1/18/2012
Smith	Fred	Bechtel Corp	1/18/2011	yes	1/18/2012
Brown	David	Sunstate Equipment	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
Zaugg	Spencer	LVP	1/18/2011	yes	1/18/2012
Chandler	Barry	LVP	1/18/2011	yes	1/18/2012
Tapia	Hector	LVP	1/18/2011	yes	1/18/2012
Rubio	Alejandro	LVP	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
Reiner	Thomas	Owens MHS	1/18/2011	yes	1/18/2012
Owens	John	Owens MHS	1/18/2011	yes	1/18/2012
Malabo	Rexford	Securitas	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
Gibson	Vic	Securitas	1/24/2011	yes	1/24/2012
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
Breer	Eric	Cashman Equipment	1/24/2011	yes	1/24/2012
Rhodes	Rob	Cashman Equipment	1/24/2011	yes	1/24/2012
Noves	Carlos	Layne	1/24/2011	yes	1/24/2012
Lyons	Garry	Layne	1/24/2011	yes	1/24/2012
Kombeitz	Mike	LVP	1/24/2011	yes	1/24/2012
Dunagan	Stephen	Layne	1/24/2011	yes	1/24/2012
Taylor	Larry	Layne	1/24/2011	yes	1/24/2012
Hoover	Ray	Bechtel Corp	1/24/2011	yes	1/24/2012
Peterson	Bo	Layne	1/24/2011	yes	1/24/2012
Aceves	John	Layne	1/24/2011	yes	1/24/2012
Ramos	Gildesdo	Layne	1/24/2011	yes	1/24/2012

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Golden	Steve	Bechtel Corp	1/24/2011	yes	1/24/2012
Lee	Jim	Conco	1/31/2011	Yes	1/31/2012
Speffanich	Stuart	Conco	1/31/2011	Yes	1/31/2012
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
Highnote	Matthew	Office Plus	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
Davis	Ronald	Sun State Equipment	1/31/2011	Yes	1/31/2012
Lampkey	Sonny	Sun State Equipment	1/31/2011	Yes	1/31/2012
McKay	Jeffrey	Bechtel Corp	1/31/2011	Yes	1/31/2012

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.	Howard Greenway	Bechtel		1/3/2011
2.	CHARLES HAUNTZ	CTS		1/3/2011
3.	Malcolm Driggs	O.E.T.		1/3/2011
4.	Ray Lichtenhan	Bechtel		1-3-2011
5.	JESUS WALLACE	CROWN FENCE		1-3-11
6.	Felipe Rodriguez	Bechtel		01.03.11
7.	David Martinez	Bechtel		1-3-11
8.	Neal Cosner	Bechtel		1-3-11
9.	Jay Vasquez	T&F Distributors		1-3-11
10.	Juan DIAZ	Bechtel		1-3-11
11.	CESAR A RIVAS	BECHTEL		1-3-11
12.	SHAYN SUKTA	"		1.3.11
13.	Jose Villarreal	Bechtel		1.3.11
14.	NOLI YAN JR	BECHTEL		1-3-11
15.	Pamela Benson	Securitas		1-3-11
16.	MARC WIKLE	PAC-VAN		1-3-11
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Trainer: D. Davis Signature: _____ Date: 1/3/11

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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.	ANDY GILLESPIE	BECHTEL		1/10/11
2.	MARK G SALAZAR	Bechtel		1-10-11
3.	Vicki Flathers	Bechtel		1-10-11
4.	ALFONSO GUZMAN	Bechtel		1-10-11
5.	ELIAS MORALES	Bechtel		1-10-11
6.	CESAR CARRASCO	BECHTEL		1-10-11
7.	Fecundo Velasco	Bechtel		1-10-11
8.	Justin Gaudin	BECHTEL		1-10-11
9.	FRANK SINOHUI JR	BECHTEL		1-10-11
10.	JIM MEADOR	Bechtel		1-10-11
11.	SPENCER PARKINS	Dielco Crane		1-10-11
12.	Jay Jones	Dielco Crane		1-10-11
13.	ROBERT SINNER	DIELCO CRANE		1-10-11
14.	Doug Ruefer	DIELCO CRANE		1-10-11
15.	BRIAN HURRY	SUNSTATE EQUIP		1-10-11
16.	Dale Kennedy	Elemental energy		1-10-11
17.	BRETT LUCKETTA	SUNSTATE EQUIP		1/10/11
18.	JEFFERY TURLEY	SUNSTATE EQUIPMENT		1/10/11
19.	Mark Seifert	Las Vegas Paving		1-10-11
20.	ROBERT BROWN	SUNSTATE EQUIP.		1-10-11
21.	Rick Hartbolt	Sunstate		1/10/11
22.	Joe Gallardo	Fasteners Inc		1/10/11
23.	Rafael Martinez	Fasteners Inc.		1-10-11
24.	Andy Druckerman	Bechtel		1-10-11
25.	RANDY GOSSETT	BECHTEL		1-10-11
26.	Warren Renfrow	Bechtel		1-10-11
27.	John Deuth	Bechtel		1-10-11
28.	Paul Gonzalez	LVP		1-10-11
29.	MATTHEW MARTIN	L.V. PAVING		1-10-11
30.	Debbie Phelan	Bechtel		01/10/2011

Trainer: Doug Davis Signature: Date: 1/10/11

No.	Employee Name	Company	Signature	Date
31	Robert T. Voss	Bechtel	Robert T. Voss	10 JAN 2011
32	Ricardo Mejia	Bechtel	Ricardo Mejia	10-1-11
33	Andrew Gallia	Bechtel	[illegible]	1/10/11
34	Fred O'Leary III	Bechtel	[illegible]	1-10-11
35	Jeff Stieglitz	Brightsolace	Jeff Stieglitz	1/10/11
36	Lloyd Henry Jr.	Bechtel	Lloyd Henry Jr.	1/10/11
~~37~~	~~Facundo Velasco~~	~~Bechtel~~	~~[illegible]~~	~~1/10/11~~
~~38~~	~~Elias Morales~~	~~Bechtel~~	~~[illegible]~~	~~1/10/11~~
~~39~~	~~Alfonso Guzman~~	~~Bechtel~~	~~[illegible]~~	~~1/10/11~~
~~40~~	~~Vicke Flathers~~	~~Bechtel~~	~~[illegible]~~	~~1/10/11~~
~~41~~	~~Mark G Salazar~~	~~Bechtel~~	~~[illegible]~~	~~1-10-11~~
~~42~~	~~Andy Gillespie~~	~~Bechtel~~	~~[illegible]~~	~~1/10/11~~

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No.	Employee Name	Company	Signature	Date
1.	Dale D. Jones	Bechtel		1-18-11
2.	Kim Johnson	Bechtel		1-18-11
3.	CHRIS COMSTOCK	BECHTEL		01-18-11
4.	Roxanna Mack	Bechtel		1/18/11
5.	Cesar Aviles	Bechtel		1-18-11
6.	James Butner	Bechtel		1-18-11
7.	MARK Hale	BechTel		1-18-11
8.	Wes F Porter	Elemental Energy		18 Jan 11
9.	Joseph Gregor	Elemental Energy		1-18-11
10.	LLOYD D. JOHNSON	ELEMENTAL ENERGY		1/18/11
11.	Andrew Meza	Bechtel		1-18-11
12.	Ricardo MORENO	BECHTEL		1-18-11
13.	Craig R. Gilbert III	BECHTEL		1-18-11
14.	J. DANIEL SHORT	SUNSTATE EQUIP.		1-18-11
15.	Fred L Smith	Bechtel		1-18-11
16.	DAVID W. BROWN	SUNSTATE EQUIPMENT		1-18-11
17.	TOM ELLIS	BECHTEL		1-18-11
18.	Ralph Marquez	Bechtel	Ralph Marquez	1-18-11
19.	Spencer Zaugg	Las Vegas Paving		1-18-11
20.	BARRY Chandler	LAS VEGAS PAVING		1-18-11
21.	Hector Tapia	LAS VEGAS PAVING		1-18-11
22.	Alejandro Rubio	Las Vegas Paving		1-18-11
23.	Art West	Bechtel		1-18-11
24.	KEVIN R. MATTUER	BECHTEL		1/18/11
25.	JOSEPH CASEY	BECHTEL		1-18-11
26.	Thomas Reiner	OWENS MHS		1/18/11
27.	JOHN OWENS	OWENS MHS		1/18/11
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Trainer: Doug Davis Signature: _____ Date: 1/18/11

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No.	Employee Name	Company	Signature	Date
1.	REYFORD O. MALABO	Securitas		1/24/11
2.	Scott Redington	Pacific Rim Constructi		"
3.	COLE CHESNUT	PACIFIC RIM CONS		"
4.	VIC GIBSON	SECUITAS		01-24-11
5.	Mike Giebler	AMERICAN EQUIPMENT		1-24-11
6.	MONONNE LOUISA	BECHTEL		1/24/11
7.	RICK FLATHERS	BECHTEL		1/24/11
8.	ERIC BREER	CASHMAN EQUIP.		1/24/11
9.	Rob Rhodes	CASHMAN EQUIP.		1/24/11
10.	Carlos E. Navas	Layne		1/24/11
11.	GARRY LYONS	LAYNE		1-24-11
12.	Mike Kanbaitz	LUP		1-24-11
13.	Stephen Dunagan	Layne		1-24-11
14.	Larry Taylor	Layne		1-24-11
15.	RAY HOOVER	BECHTEL		1/24/11
16.	Bo Petersen	Layne		1-24-11
17.	John Aceves	Layne		1-24-11
18.	Gilberto Ramos	Layne		1-24-11
19.	Steve Golden	Bechtel		1-24-11
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Trainer: D. Davis Signature: Date: 1/24/11

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No.	Employee Name	Company	Signature	Date
1.	Jim Lee	CONCC		1/31/11
2.	Stuart Sheffanich	Conco		1/31
3.	Glen Perschon	Bechtel		1-31-2011
4.	JAMES SAYERS	BECHTEL		1-31-11
5.	Peter Jong	Bechtel		1-31-11
6.	Matthew Highnote	OFFICE PLUS		1-31-11
7.	STEVE GALLEGOS	BECHTEL		1-31-11
8.	Eric Sumpsey	Bechtel		1-31-11
9.	Patrick Stanley	Bechtel		1-31-11
10.	ROSS BOWLIN	BECHTEL		1-31-11
11.	Robert Cooing	BECHTEL		
12.	Ronald Davis	SUNSTATE		1/31/11
13.	Gary Lampkey	Sunstate Equip		1-31-11
14.	JEFFREY A. MCKAY	BECHTEL		1-31-11
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Trainer: D. Davis Signature: _____ Date: 1/31/11

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 January 2011; COC CUL-7

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

This report covers cultural resources monitoring activities at the Ivanpah Solar Electric Generating System for the month of January 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 January 2011; COC PAL-5

Prepared For: Tracie Wheaton, BrightSource Energy
John Carrier, CH2M HILL
Prepared By: Geof Spaulding/ISEGS PRS
Reporting For Period: January 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).

Personnel Active in Paleontological Monitoring 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-14, BIO-16, BIO-18, & BIO-21

Condition of Certification BIO-18 Summary – January, 2011

Within the month of January, no special-status plant salvage and relocation activities were performed in Ivanpah 1. No special-status plant localities were fenced as exclusion areas in January. Signs were installed around the perimeter of the onsite Rare Plant Transplantation Area (RPTA) denoting the area is a sensitive biological area.

Irrigation of the rare plants in the RPTA has ceased for the season while Mojave milkweed, desert pincushion, and Parish's club cholla plants are dormant. Watering needs will be assessed once plants begin to break dormancy.

Mojave Milkweed and Parish's club cholla root propagules that were potted in October and November 2010 are being cared for in the native plant nursery. All potted Mojave milkweed and planted Parish's club cholla are located outside in native desert habitat. These plants are subject to temperature fluctuations and precipitation similar to the natural condition. Parish's club-cholla cuttings in the native plant nursery were observed to have browned plant tissue, possibly due to low temperatures or transplant shock. These cuttings were watered by the nursery on January 26, 2010. Survivorship and growth of the propagules will be assessed by the native plant restoration contractor in 2011, once temperatures begin to increase and plants break dormancy.

A seed storage trailer was purchased and installed into the Soil-Tech nursery storage yard. Pallets of the seed of common revegetation species, along with the rare plant seed, were moved into the trailer on January 6, 2011. All bags were placed on shelving to help prevent rodent damage and rodent traps were placed within the trailer. The storage trailer is climate-controlled and temperature and humidity conditions of the stored seed will be monitored and adjusted as necessary to meet seed storage conditions specified in the Closure, Revegetation and Rehabilitation Plan.

Future botanical activities for the next 90 days include:

- Training of desert tortoise crews on the sight identification of special-status plants (for continued work in Ivanpah 1, and upcoming work within Ivanpah 2 and 3)
- Continued confirmation of special-status plant locations cited by tortoise biologists during tortoise monitoring (for continued work in Ivanpah 1, and upcoming work within Ivanpah 2 and 3)
- Salvage of special-status plants identified by those crews in Ivanpah 2 and 3
- Installation of exclusionary fencing around special-status plant localities in Ivanpah 2 and 3
- Salvage and relocation of special-status plants located in Ivanpah 2 and 3 as described in the Revised Protection Plan
- Continued Quality Assurance/ Quality Control (QA/QC) of plant data
- Monitoring and maintenance (including irrigation) of any newly installed and existing plants in the RPTA. Irrigation is not planned during the cold winter months but will commence on an as-needed basis if temperatures increase and plants appear stressed.
- Monitoring and maintenance of all exclusionary fencing (SSPPAs) within the Project
- Irrigation of potted Mojave milkweed and planted Parish's club cholla propagules in the nursery

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.
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

February 5, 2011

REGARDING: ISEGS Monthly Compliance Report, January 6, 2011 - February 5, 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 January 6, 2011 through February 5, 2011 on construction of the ISEGS in Ivanpah Valley, San Bernardino County, California.

Construction on ISEGS began on October 8, 2010. Within the tortoise-proof fencing erected along Colosseum Road and Project features: Common Area East, Common Area West, Ivanpah 1, and Power Block 2 and the associated Access Road surveys for desert tortoise, badger, Gila monster, and burrowing owl are ongoing immediately in front of construction for all surface disturbances. These areas have all been cleared for desert tortoise, but as specified in the Biological Opinion, surveys immediately in front of vegetation clearance are ongoing in case one was inadvertently missed during tortoise clearance surveys. Areas cleared of vegetation inside tortoise-proof fencing include: new Colosseum Road the western two-thirds of Common Area East, the well site and switch yard within Common Area West, the Access Road to Power Block 1 within Ivanpah 1, and the Access Road to Power Block 2 within Ivanpah 2.

As per COC BIO 15, pre-construction nest surveys shall be conducted if construction activities will occur from February 1 through August 31. Avian nest surveys commenced in Ivanpah 1 on February 1 and are ongoing in all areas scheduled for construction. 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. As per COC BIO 12, a raven population monitoring program was initiated in order to document the status of ravens both on the project site and in the project area.

Detection of juvenile and hatchling tortoises is difficult, and though the above project features were declared free of tortoises, biologists continue to excavate small mammal burrows as time permits as well as search for tortoises while monitoring vegetation clearance.

Outside of the tortoise-proof fencing geotechnical drilling was completed in Ivanpah 3. Biological monitors are escorting all crews working outside the tortoise-proof fencing at all times. We continue to check on the seven new desert tortoises that had been observed in Ivanpah 3 during monitoring of geotechnical drilling to ensure they have not exited their burrows. All of these tortoises are still in burrows and are still in brumation. None have been marked or telemetered. Two of these tortoises are juveniles. Construction has been ongoing on the Power Block in Ivanpah 1 and the perimeter security

fence of Ivanpah 1. Ground work continues in Common Area East as well as paving preparation along Colosseum Rd. The first well has been completed in Common Area West and monitoring of the de-watering of the well is documented below.

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. All tortoises within the quarantine are still in brumation.

A total of 13-15 biologists remain working on the Project site in order to monitor compliance with all construction mitigation measures. Only those biologists authorized to handle desert tortoises by all Agencies granting authorization have handled desert tortoises.

No new burrowing owl sign was observed. No badgers or gila monsters have been observed. No avian or bat species have been killed during construction activities. No tortoises have been injured or killed as a result of project activities. Sensitive plant surveys and transplanting is ongoing.

In addition to the seven unmarked tortoises in Ivanpah 3, we currently are keeping track of 46 marked tortoises, 25 of which are in the quarantine pens. Twenty-one tortoises remain outside the fenced construction areas. All telemetered tortoises within the recipient areas are being tracked on a weekly basis. All marked tortoises outside the quarantine area have a radio-telemetry unit affixed. Most of the tortoises within the quarantine area also have a radio telemetry unit affixed. Figure 1 shows the initial capture location of all tortoises marked. Figure 2 shows the current location of these tortoises. The seven tortoises located in Ivanpah 3 will be marked and telemetered as soon as spring temperatures permit. The number of tortoises that will be translocated and count against the project take limit has yet to be determined.

All fence lines and tortoise guards have been inspected immediately after rain events to ensure the fence or guards have not been compromised allowing tortoises to breach the fence and re-enter cleared areas. Table 2 shows the results of the inspections and action taken to repair any problems to date. No additional repairs have been necessary during the past month.

Common Area West Well De-Watering

ISEGS has drilled two wells, one main well and one backup, to supply water for the facilities' operations. The first well completed on the ISEGS was drilled to 820 feet. In preparation for the wells to become operational, a draw-down process must take place in order to clear the wells of sediment and test the water produced. This well draw-down process requires approximately 40 hours of pumping followed by two separate tests. The first of the two tests occurs over a 6 hour period and the second test lasts for 4 hours. During these two tests the pumping process has to be continuous and water samples for testing are taken after completion of the 4 hour test. Biologists are required to monitor the discharge from the well draw-down 24 hours a day to ensure erosion control is in place and all operations stay within the guidelines set for the draw-down process. The largest concern in this process is erosion of existing

drainages used for water discharge. The stipulations for this particular well draw-down state that the drainages cannot be eroded more than 10 inches from their present levels. The following is a day-to-day break down for the week of January 10-17, 2011 of the well draw-down and testing for the first of two wells being completed on the ISEGS:

January 10, 2011

Well draw-down began at approximately 1000 hours. Initial pumping began at 60 gallons/minute and was slowly increased to 400 gallons/minute throughout the day. During the night a problem occurred with the pump so operations were halted while repair work was under way.

January 11, 2011

Well draw-down operations were suspended the entire day while repairs were conducted.

January 12, 2011

Well discharge resumed during the day but was suspended again at approximately 2300 hours due to sand and gravel from the well clogging the pump.

January 13, 2011

It was determined that the pipe was to deep in the well. Therefore, 80 feet of pipe was removed to prevent sand from clogging the filters and pump. The 10 inch erosion stipulation was met and operations were halted by the biologist. Additional hoses were brought in and the water dispersion pipe was moved to an adjacent drainage at approximately 1400 hours. The well draw-down continued pumping approximately 400-450 gallons per minute throughout the night. However, erosion was becoming a problem and the workers were cautioned at 0500 hours that work would have to cease if the erosion continued at its current rate.

January 14, 2011

A stop work order was issued by the biologist again for meeting the erosion control stipulations at 0700 hours. The workers again placed more hose to move the water dispersion pipe to another drainage. Also, hay waddles were brought in to help reduce the flow of water at the dispersion pipe and divert it into multiple drainages. The well draw-down process began again at 1500 hours and continued into the night. Pumping operations ceased at approximately 0200 hours to allow the well to recharge for testing the following day.

January 15, 2011

The 6 hour pump test was completed successfully.

January 16, 2011

The 4 hour pump test was completed successfully. Upon completion of this test, water samples were taken and sent to a lab for testing. It was determined that it took approximately four minutes for the well to recover after pumping operations were completed.

A second well is currently under construction and is projected to be completed by the end of January. Upon completion of the second well, the same test will be conducted. Bechtel and Layne Christensen Company are considering other possible methods of water dispersal (*i.e.* sprinklers, dispersal pipes with various shutoff valves) for use when testing the second well to prevent the erosion issues encountered in the first well test. Layne Christensen Company and Bechtel complied with all environmental regulations during the first test and the erosion complications were addressed quickly and responsibly as they presented themselves.

Table 1. Master list of Desert Tortoises captured Fall 2010 on the ISEGS project

Tortoise ID	Location (Pen ID)	UTM Date	Easting	Northing	Sex	MCL	Weight	Health Assessment (Y/N)	Blood Assessment (Y/N)	ELISA STATUS (M. agassizii)	ELISA STATUS (M. testudineum)	Comments
BS1	4	10/28/2010	638727	3934792	Female	188	1350	Y	Y			
BS2	9	10/30/2010	638698	3934867	Male	261	3520	Y	Y	Suspect	Suspect	
BS3		11/9/2010	640252	3934598	Female	227	2300	N	N			
BS4		11/9/2010	639069	3933853	Male	250	2910	Y	Y			
BS5		11/9/2010	639031	3935294	Male	216	1880	N	N			
BS6		11/10/2010	640083	3935097	Male	257	2700	N	N			
BS7		11/9/2010	639440	3934309	Unknown	94	185	N	N			
BS8		11/10/2010	641515	3933995	Female	209	1800	N	N			
BS9	11	10/30/2010	638707	3934878	Male	261	3360	Y	Y			
BS10		11/9/2010	638550	3933645	Male	277	3650	N	N			
BS11		11/10/2010	640734	3934732	Female	202	1780	Y	Y			
BS12		11/10/2010	641430	3934798	Female	206	1690	Y	Y			
BS13		11/10/2010	640834	3932416	Male	245	2525	Y	Y			
BS14	6	10/14/2010	638731	3934816	Female	224	2250	Y	Y			
BS15		11/9/2010	639332	3934763	Unknown	190	1425	N	N			
BS16		11/9/2010	638550	3933645	Female	224	2140	N	N			
BS17	17	11/18/2010	638700	3934934	Unknown	116	320	Y	Y			
BS18	18	10/29/2010	638724	3934939	Unknown	71	85	Y	Y			
BS19		11/9/2010	640237	3934603	Unknown	118	365	N	N			
BS20	DEAD	-	-	-	-	-	-	-	-	-	-	Euthanized at DTCC - Crushed carapace
BS21		11/10/2010	639970	3932205	Male	241	2790	Y	Y			
BS22	7	10/29/2010	638710	3934843	Male	252	2340	Y	Y			
BS23		11/10/2010	636948	3936058	Female	242	2700	N	N			
BS24		11/9/2010	638479	3935448	Unknown	179	1290	Y	Y		Suspect	

Table 1. Master list of Desert Tortoises captured Fall 2010 on the ISEGS project

Tortoise ID	Location (Pen ID)	UTM Date	Easting	Northing	Sex	MCL	Weight	Health Assessment (Y/N)	Blood Assessment (Y/N)	ELISA STATUS (M. agassizii)	ELISA STATUS (M. testudineum)	Comments
BS25	3	10/26/2010	638703	3934799	Unknown	168	1120	Y	Y			
BS26	17	10/27/2010	638703	3934942	Unknown	123	370	Y	Y			
BS27	15	10/28/2010	638706	3934919	Female	232	2150	Y	Y			
BS28	1	10/28/2010	638689	3934774	Female	217	2060	Y	Y			
BS29	2	10/28/2010	638728	3934788	Male	265	3325	Y	Y			
BS30		11/18/2010	636221	3940066	Male	238	3000	Y	Y			
BS31	20	10/29/2010	638730	3934959	Unknown	133	530	Y	Y	Suspect	Positive	
BS32	8	10/29/2010	638743	3934843	Male	252	3160	Y	Y			
BS33		11/18/2010	637387	3938925	Female	225	2220	Y	Y			
BS34	5	10/29/2010	638719	3934817	Female	214	2050	Y	Y			
BS35	35	10/29/2010	638748	3934953	Unknown	143	640	Y	Y			
BS36	33	10/30/2010	638760	3934934	Unknown	150	720	Y	Y			
BS37	12	10/30/2010	638706	3934902	Male	243	2400	Y	Y	Suspect	Positive	
BS38	13	10/30/2010	638690	3934906	Female	223	2390	Y	Y		Positive	
BS39	18	11/1/2010	638725	3934945	Unknown	61	46	Y	N			
BS40	18	11/1/2010	638723	3934949	Unknown	69	72	Y	N			
BS41	17	11/1/2010	638708	3934940	Unknown	118	390	Y	Y			
BS42	18	12/17/2010	639644	3933806	Unknown	48		N	N			
BS43	18	12/20/2010	639353	3932915	Unknown	46	22	N	N			
BS100		11/9/2010	638981	3933406	Male	245	3050	Y	Y			
BS101		11/10/2010	641432	3934797	Male	276	4260	Y	Y			
BS102		11/10/2010	639541	3937156	Male	271	3800	Y	Y			
BS103	16	10/31/2010	638726	3934925	Male	251	3600	Y	Y			
BS104	DEAD	-	639259	3937355	Male	265	3275	-	-	-	-	Predation

Table 2. Results of the inspections and action taken to repair any problems on the ISEGS project

Date	Inspection of Project Construction Fences and Tortoise Guards/ Problems Observed After Rain Events	Action Taken
8-Nov-10	No damages or breaks along fencelines that pose a risk to desert tortoises were observed.	None
23-Nov-10	No damages or breaks along fencelines that pose a risk to desert tortoises were observed.	None
6-Dec-10	No damages or breaks along fencelines that pose a risk to desert tortoises were observed.	None
20-Dec-10	All 5 tortoise guards had erosion issues and compromised either the adjacent fence integrity or eroded in such a way to provide tortoises access to cleared areas.	Erosion damage immediately repaired. Recommend regular inspections.
22-Dec-10	3 of the 5 tortoise guards had either excess sediment filling the guards and 1 was sinking below grade.	Excess sediment removed and sinking guard repaired.
27-Dec-10	No damages or breaks along fencelines that pose a risk to desert tortoises were observed.	None

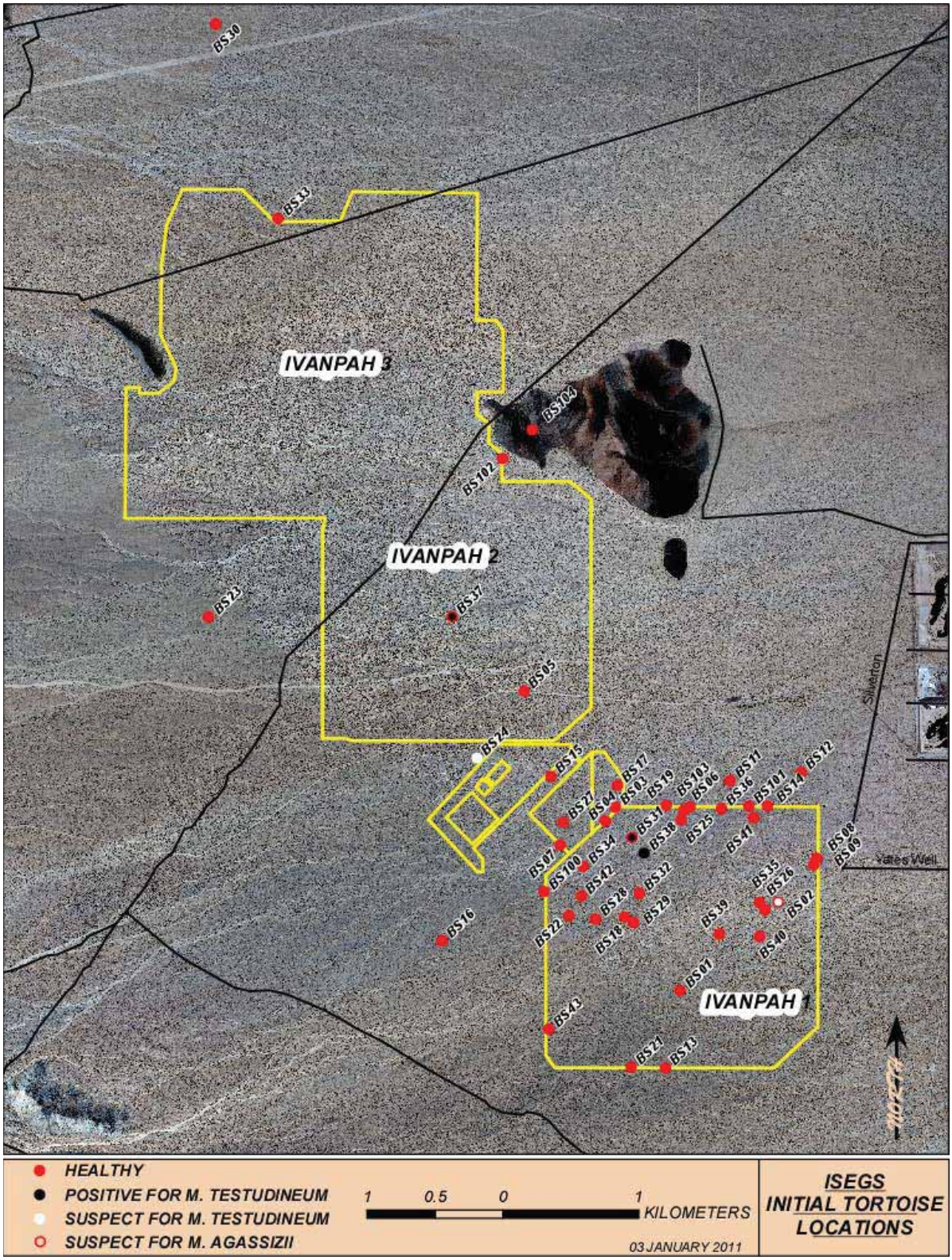

Figure 1. Initial capture locations of desert tortoises encountered and marked Fall 2010, ISEGS project.

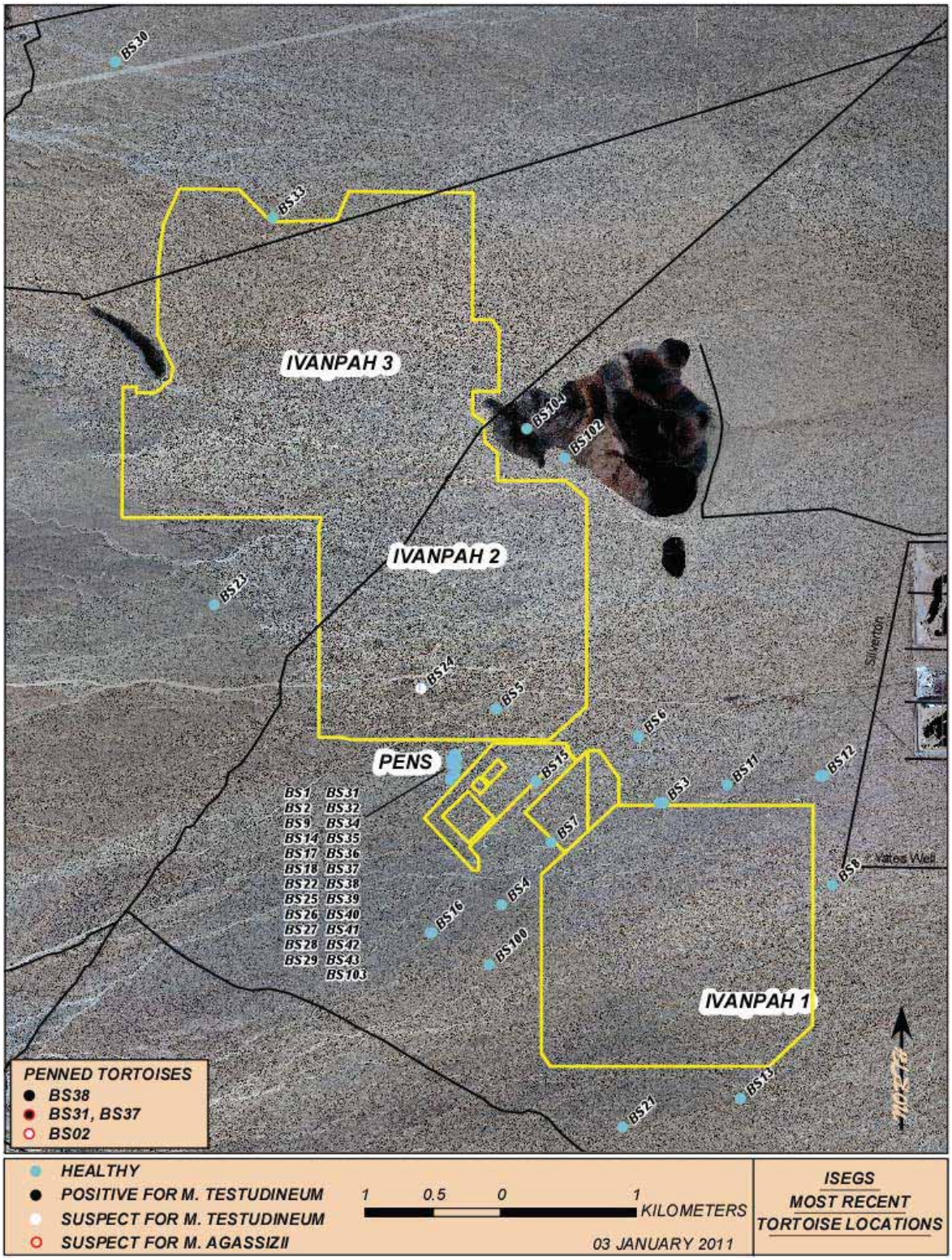

Figure 2. Current locations of desert tortoises encountered and marked Fall 2010, ISEGS project.

Exhibit 10

Master CBO Submittal List
Conditions of Certification
GEN-2 & TSE-1

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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	CBO Approved
GEN-4	NA	Approval	PE	Resume	N/A	Bechtel Site Resident Engineer Resume and Registration	Y
GEN-5	NA	Approval	Geotech	Resume	N/A	Bechtel Responsible Engineering Geologist Resume and Registration	Y
GEN-5	NA	Approval	Geotech	Resume	N/A	Bechtel Responsible Soils/Civil Engineer Resume and Registration	Y
GEN-5	NA	Approval	Civil	Resume	N/A	Bechtel Responsible Design Engineer (for plant structures) Resume and Registration	Y
GEN-5	NA	Approval	Electrical	Resume	N/A	Bechtel Responsible Electrical Engineer Resume and Registration	Y
GEN-5	NA	Approval	Mechanical	Resume	N/A	Bechtel Responsible Mechanical Engineer Resume and Registration	Y
GEN-5	NA	Approval	Plant Design	Resume		Bechtel Responsible Piping / Support Engineer Resume and Registration	Y
GEN-5		Approval	Electrical	Resume	25542-000-V1B-AK00-00003	RESUME: KELY DAME, MECHANICAL ENGINEER	N
GEN-5		Approval	Electrical	Resume	25542-000-V1B-AK00-00150	COVER LETTER	N
GEN-5		Approval	Electrical	Resume	25542-000-V1B-AK00-00002	RESUME - DINESH PATEL	N
GEN-5		Approval	Electrical	Resume	25542-000-V1B-AK00-00155	COVER LETTER	N
GEN-5		Approval	Electrical	Resume	25542-000-V1A-AKBS-00051	RESUME - ARUN SAHA	N
GEN-5		Approval	Electrical	Resume	25542-000-V1A-AKBS-00052	RESUME - BRUCE GILLINGS	N
GEN-5		Approval	Electrical	Resume	25542-000-V1A-AKBS-00056	RESUME - SCOTT WAYLAND	N
GEN-5		Approval	Electrical	Resume	25542-000-V1A-AKBS-00059	RESUME - NATHAN PETERSON	N
GEN-5		Approval	Electrical	Resume	25542-000-V1A-AKBS-00060	RESUME - PAUL IMMERMAN	N
GEN-5		Approval	Electrical	Resume	25542-000-V1A-AKBS-00061	RESUME - ARMEN MINATSAGHANLAN	N
GEN-5		Approval	Electrical	Resume	25542-000-V1A-EWZ0-00026	RESUME: NIZOM GHANTOUS, ELECTRICAL ENGINEER	Y
GEN-5		Approval	Civil	Resume	25542-000-V1A-EWZ0-00027	RESUME: SCOTT KIRBY, CIVIL ENGINEER	Y
GEN-5		Approval	Electrical	Cover Letter	25542-000-V1A-EWZ0-00047	COVER LETTER	Y
GEN-5		Approval	Civil	Cover Letter	25542-000-V1A-EWZ0-00048	COVER LETTER	Y
MECH-1	G	Approval	Plant Design	Drawing	25542-000-P4J-0000-000##	EMBEDDED/UG PIPING AND DRAINAGE NOTES, SYMBOLS AND DETAILS	
MECH-1	G	Reference	Plant Design	Drawing	25542-009-P0-0000-00001 & -00002	General Notes & Standard Details Embedded & Underground Piping	N
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")	
MECH-1	NA	Reference	Plant Design	Drawing	25542-001-P1-2120-00001	GENERAL ARRANGEMENT TURBINE AREA PLAN EL 2905'-0" (126'-0")	
MECH-1	NA	Reference	Plant Design	Drawing	25542-001-P1-2130-00001	GENERAL ARRANGEMENT TURBINE AREA PLAN 2917'-3" (138'-3")	
MECH-1	NA	Reference	Plant Design	Drawing	25542-001-P1-2190-00001	GENERAL ARRANGEMENT BOILER/TURBINE AREAS SECTION A-A	
MECH-1	NA	Reference	Plant Design	Drawing	25542-001-P1-1010-00001	GENERAL ARRANGEMENT SRSG TOWER PLAN EL. 2879'-0" (100'-0")	
MECH-1	NA	Reference	Plant Design	Drawing	25542-001-P1-1020-00001	GENERAL ARRANGEMENT SRSG TOWER PLAN EL. 2899'-0" (120'-0")	
MECH-1	NA	Reference	Plant Design	Drawing	25542-001-P1-1030-00001	GENERAL ARRANGEMENT SRSG TOWER PLAN EL. 2919'-0" (140'-0")	
MECH-1	NA	Reference	Plant Design	Drawing	25542-001-P1-1040-00001	GENERAL ARRANGEMENT SRSG TOWER PLAN EL. 2959'-0" (180'-0")	
MECH-1	NA	Reference	Plant Design	Drawing	25542-001-P1-1050-00001	GENERAL ARRANGEMENT SRSG TOWER PLAN EL. 3155'-0" (376'-0"), EL. 3174'-6" (395'-0") AND EL. 3194'-0" (415'-0")	
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")	
MECH-1	NA	Reference	Plant Design	Drawing	25542-000-P1-1910-000##	GENERAL ARRANGEMENT-AUXILIARY BOILER PLAN AT GRADE	
MECH-1	NA	Reference	Plant Design	Drawing	25542-000-P1-1990-000##	GENERAL ARRANGEMENT-AUXILIARY BOILER SECTIONS & DETAILS	
MECH-1	NA	Reference	Plant Design	Drawing	25542-000-P1-7110-000##	GENERAL ARRANGEMENT-WATER TREATMENT AREA PLAN AT GRADE	
MECH-1	NA	Reference	Plant Design	Drawing	25542-000-P1-7190-000##	GENERAL ARRANGEMENT-WATER TREATMENT AREA SECTIONS & DETAILS	
MECH-1	NA	Reference	Plant Design	Drawing	25542-000-P1-7910-000##	GENERAL ARRANGEMENT-OILY WATER SEPARATOR PLAN AT GRADE	
MECH-1	NA	Reference	Plant Design	Drawing	25542-000-P1-7990-000##	GENERAL ARRANGEMENT-OILY WATER SEPARATOR SECTIONS & DETAILS	
MECH-1	NA	Reference	Plant Design	Drawing	25542-000-P1-3710-000##	GENERAL ARRANGEMENT-EMERGENCY DIESEL GENERATOR PLAN AT GRADE	
MECH-1	NA	Reference	Plant Design	Drawing	25542-000-P1-3790-000##	GENERAL ARRANGEMENT-EMERGENCY DIESEL GENERATOR SECTIONS & DETAILS	
MECH-1	NA	Reference	Plant Design	Drawing	25542-009-P1-7610-000##	GENERAL ARRANGEMENT- COMMON AREA PLAN AT GRADE	
MECH-1	NA	Reference	Plant Design	Drawing	25542-009-P1-7690-000##	GENERAL ARRANGEMENT- COMMON AREA PLAN AT GRADE	
MECH-1	NA	Reference	Plant Design	Drawing	25542-009-P1-7510-000##	GENERAL ARRANGEMENT-COMMON AREA SECTIONS & DETAILS	

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	CBO Approved
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	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	
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00001	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00002	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00003	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00004	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00005	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00006	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00007	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00008	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00009	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
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MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00012	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00013	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
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MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00016	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00017	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
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MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00019	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
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MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00027	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
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MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00029	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
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MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00032	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
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MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00041	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00042	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00043	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00044	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00045	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00046	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	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	CBO Approved
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00047	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00048	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00049	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00050	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00051	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00052	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00053	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00054	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00055	UNDERGROUND PIPING ISOMETRIC - NATURAL GAS SYSTEM TO UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00056	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00057	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00058	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00059	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00060	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00061	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00062	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00063	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00064	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
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MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00070	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00071	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00072	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
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MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00077	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00078	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00079	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00080	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00081	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00082	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00083	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00084	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00085	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00086	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00087	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00088	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00089	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00090	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00091	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00092	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00093	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00094	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00095	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	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	CBO Approved
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00096	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00097	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00098	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00099	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00100	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00101	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00102	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00103	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00104	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00105	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00106	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00107	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00108	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00109	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00110	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00111	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00112	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00113	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00114	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00115	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00116	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00117	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 1 AND 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00199	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00200	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00201	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00202	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00203	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00204	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00205	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00206	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00207	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00208	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00209	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00210	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00211	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00212	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00213	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00214	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00215	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00216	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00217	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00218	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00219	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00220	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00221	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P34-FG-00222	UNDERGROUND PIPING ISOMETRIC - FUEL GAS SYSTEM - UNIT 2	Y
MECH-1	G	Approval	Plant Design	Drawing	25542-009-P35-FG-00001 to -00***	ISOMETRICS (LARGE BORE)-FUEL GAS - (UNDERGROUND)	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	CBO Approved
MECH-1	G	Approval	Plant Design	Drawing	25542-000-P35-PF-000##	ISOMETRICS (LARGE BORE)-FIRE PROTECTION YARD FIRE LOOP (UNDERGROUND)	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00001	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00002	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00003	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00004	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00005	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00006	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00007	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00008	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00009	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00010	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00011	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00012	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00013	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00014	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00015	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00016	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00017	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00018	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00019	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00020	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00021	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00022	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00023	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00024	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00025	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00026	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00027	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00028	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00029	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00030	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00031	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00032	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00033	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00034	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00035	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00036	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00037	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00038	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00039	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00040	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00041	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00042	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00043	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00044	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00045	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00046	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00047	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00048	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	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	CBO Approved
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00049	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00050	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00051	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00052	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00053	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00054	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00055	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00056	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00057	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00058	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00059	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00060	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00061	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00062	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00063	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00064	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00065	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00066	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00067	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00068	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00069	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00070	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00071	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00072	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00073	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00074	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00075	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00076	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00077	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00078	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00079	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00080	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00081	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00082	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00083	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00084	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00085	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00086	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P35-PF-00087	UNDERGROUND PIPING ISOMETRIC - FIRE PROTECTION SYSTEM	Y
MECH-1	G	Approval	Plant Design	QA/QC Plans	25542-000-V1A-PS02-000##	PIPING FABRICATOR QA/QC Plans	Y
MECH-1	G	Approval	Plant Design	Stress Calc.	25542-000-P6C-AB-00002	STRESS CALCULATION FOR HOT REHEAT PIPE SYSTEM	Y
MECH-1	G	Approval	Plant Design	Pipe Suppt	25542-001-PH-AB-00*** to -00***	PIPE SUPPTS FOR HOT REHEAT PIPE SYSTEM	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	CBO Approved
MECH-1	G	Approval	Plant Design	Drawing	25542-000-P3-AB-000##	PIPE ISOMETRIC DRAWINGS FOR HOT REHEAT PIPE SYSTEM	N
MECH-1	G	Approval	Plant Design	Stress Calc.	25542-000-P6-AE-000##	STRESS CALCULATION FOR FEEDWATER PIPE SYSTEM	
MECH-1	G	Approval	Plant Design	Pipe Suppt	25542-000-PH-AE-000##	PIPE SUPPTS FOR FEEDWATER PIPE SYSTEM	
MECH-1	G	Approval	Plant Design	Drawing	25542-000-P3-AE-000##	PIPE ISOMETRIC DRAWINGS FOR FEEDWATER PIPE SYSTEM	
MECH-1	G	Approval	Plant Design	Specification	25542-000-3DS-P72G-00012	PIPE INSULATION THICKNESS SCHEDULE	Y
STRUC-1	NA	Approval	Control Systems	Document	25542-000-V1A-JA34-000##	BOILER SAMPLE PANEL ENCLOSURE STRUCTURAL DESIGN CALCULATIONS	
STRUC-1	NA	Approval	Control Systems	Drawing	25542-000-V1A-JA34-000##	BOILER SAMPLE PANEL ENCLOSURE STRUCTURE DRAWING	
STRUC-1	NA	Approval	Control Systems	Drawing	25542-000-V1A-JA34-000##	BOILER SAMPLE PANEL ENCLOSURE FOUNDATION LOAD AND INTERFACE DRAWING	
STRUC-1	NA	Approval	Control Systems	Document	25542-000-V1A-JA34-000##	DEMIN WATER SAMPLE PANEL ENCLOSURE STRUCTURAL DESIGN CALCULATIONS	
STRUC-1	NA	Approval	Control Systems	Drawing	25542-000-V1A-JA34-000##	DEMIN WATER SAMPLE PANEL ENCLOSURE STRUCTURE DRAWING	
STRUC-1	NA	Approval	Control Systems	Drawing	25542-000-V1A-JA34-000##	DEMIN WATER SAMPLE PANEL ENCLOSURE FOUNDATION LOAD AND INTERFACE DRAWING	
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AB-00001	P&ID MAIN STEAM SYSTEM (HP STEAM)	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AB-00002	P&ID MAIN STEAM SYSTEM (CRH STEAM)	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AB-00003	P&ID MAIN STEAM SYSTEM (HRH STEAM)	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AD-00001	P&ID CONDENSATE SYSTEM (PUMPS)	N
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AD-00002	P&ID CONDENSATE SYSTEM (SPRAYS)	N
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AD-00003	P&ID CONDENSATE SYSTEM (FW HEATERS)	N
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AD-00004	P&ID CONDENSATE SYSTEM (ACC STEAM DUCT)	N
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AD-00005	P&ID CONDENSATE SYSTEM (INTERNAL DRAINS)	N
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AD-00006	P&ID CONDENSATE SYSTEM (EXTERNAL DRAINS)	N
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AE-00001	P&ID FEEDWATER SYSTEM (PUMP SUCTION)	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AE-00002	P&ID FEEDWATER SYSTEM (PUMP DISCHARGE)	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AE-00003	P&ID FEEDWATER SYSTEM (FW HEATERS)	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AE-00001	P&ID FEEDWATER SYSTEM (PUMP SUCTION)	
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AE-00002	P&ID FEEDWATER SYSTEM (PUMP DISCHARGE)	
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AE-00003	P&ID FEEDWATER SYSTEM (FW HEATERS)	
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AF-00001	P&ID EXTRACTION STEAM SYSTEM (LP FWH NO 1)	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AF-00002	P&ID EXTRACTION STEAM SYSTEM (LP FWH NO 2)	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AF-00003	P&ID EXTRACTION STEAM SYSTEM (DEAERATOR FWH NO 3)	Y
MECH-1		Reference	Mechanical	P&ID	25542-001-M6-AF-00004	P&ID EXTRACTION STEAM SYSTEM (BOILER FEED PUMP TURBINE)	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AF-00005	P&ID EXTRACTION STEAM SYSTEM (HP FWH NO 5)	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AF-00006	P&ID EXTRACTION STEAM SYSTEM (HP FWH NO 6)	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AF-00001	P&ID EXTRACTION STEAM SYSTEM (LP FWH NO 1)	
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AF-00002	P&ID EXTRACTION STEAM SYSTEM (LP FWH NO 2)	
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AF-00003	P&ID EXTRACTION STEAM SYSTEM (DEAERATOR FWH NO 3)	
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AF-00004	P&ID EXTRACTION STEAM SYSTEM (HP FWH NO 4)	
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AF-00005	P&ID EXTRACTION STEAM SYSTEM (HP FWH NO 5)	
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AF-00006	P&ID EXTRACTION STEAM SYSTEM (HP FWH NO 6)	

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	CBO Approved
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AJ-00001	P&ID CONDENSATE AND FEEDWATER CHEMICAL INJECTION SYSTEM	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AJ-00002	P&ID CONDENSATE AND FEEDWATER CHEMICAL INJECTION SYSTEM	Y
~~MECH-1~~	~~NA~~	~~Reference~~	~~Mechanical~~	~~P&ID~~	~~25542-001-M6-AR-00001~~	~~P&ID CONDENSER AIR REMOVAL SYSTEM~~	
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-BM-00001	P&ID BLOWDOWN SYSTEM	
MECH-1	NA	Reference	Mechanical	P&ID	25542-009-M6-FG-00001	P&ID FUEL GAS SYSTEM	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-FL-00001	P&ID LUBE OIL SYSTEM	
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-PA-00001	P&ID COMPRESSED AIR SYSTEM (AIR COMPRESSORS, RECEIVERS, DRYERS)	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-PA-00002	P&ID COMPRESSED AIR SYSTEM (SERVICE AIR DISTRIBUTION)	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-PA-00003	P&ID COMPRESSED AIR SYSTEM (INSTRUMENT AIR DISTRIBUTION)	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-PG-00001	P&ID SERVICE GAS SYSTEM	Y
MECH-1	NA	Approval	Mechanical	P&ID	25542-001-M6-PF-00001	P&ID FIRE PROTECTION SYSTEM	Y
MECH-1	NA	Approval	Mechanical	P&ID	25542-001-M6-PF-00002	P&ID FIRE PROTECTION SYSTEM	Y
MECH-1	NA	Approval	Mechanical	P&ID	25542-009-M6-PF-00001	P&ID FIRE PROTECTION SYSTEM	N
MECH-1	NA	Approval	Mechanical	P&ID	25542-009-M6-PF-00002	P&ID FIRE PROTECTION SYSTEM	N
MECH-1	NA	Approval	Mechanical	P&ID	25542-001-M6-PW-00001	P&ID POTABLE WATER SYSTEM	N
MECH-1	NA	Approval	Mechanical	P&ID	25542-001-M6-PW-00002	P&ID POTABLE WATER SYSTEM	N
MECH-1	NA	Approval	Mechanical	P&ID	25542-009-M6-PW-00001	P&ID POTABLE WATER SYSTEM	N
MECH-1	NA	Approval	Mechanical	P&ID	25542-009-M6-PW-00002	P&ID POTABLE WATER SYSTEM	N
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-SA-00001	P&ID AUXILIARY STEAM SYSTEM (NIGHT PRESERVATION BOILER)	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-SA-00002	P&ID AUXILIARY STEAM SYSTEM (AUXILIARY BOILER)	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-SA-00003	P&ID AUXILIARY STEAM SYSTEM	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-SD-00001	P&ID BOILER FEED PUMP TURBINE	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-SD-00002	P&ID BOILER FEED PUMP TURBINE	
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-SL-00001	P&ID STEAM SEAL SYSTEM	Y
MECH-1		Reference	Mechanical	P&ID	25542-001-M6-TL-00001	P7ID WSAC CHEMICAL INJECTION SYSTEM	Y
MECH-2		Reference	Mechanical	P&ID	25542-001-M6-TL-00002	P7ID WSAC CHEMICAL INJECTION SYSTEM	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-WB-00001	P&ID CLOSED COOLING WATER SYSTEM	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-WB-00002	P&ID CLOSED COOLING WATER SYSTEM	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-WB-00003	P&ID CLOSED COOLING WATER SYSTEM	Y
MECH-1		Reference	Mechanical	P&ID	25542-001-M6-WD-00001	P&ID DEMINERALIZED WATER SYSTEM	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-WR-00001	P&ID RAW WATER SYSTEM	N
MECH-1	NA	Reference	Mechanical	P&ID	25542-009-M6-WR-00001	P&ID RAW WATER SYSTEM	N
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-WS-00001	P&ID SERVICE WATER SYSTEM	N
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-WY-00001	P&ID MIRROR WASH WATER SYSTEM	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-XW-00001	P&ID WASTE WATER SYSTEM	
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-XW-00002	P&ID WASTE WATER SYSTEM	
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-XW-00003	P&ID WASTE WATER SYSTEM	
MECH-1	NA	Reference	Mechanical	P&ID	25542-000-M6J-YA-00001	P&ID SYMBOLS AND LEGENDS	N
MECH-1	NA	Reference	Mechanical	P&ID	25542-000-M6J-YA-00002	P&ID SYMBOLS AND LEGENDS	N
MECH-1	NA	Reference	Mechanical	P&ID	25542-000-M6J-YA-00003	P&ID SYMBOLS AND LEGENDS	N
MECH-1	NA	Reference	Mechanical	P&ID	25542-000-M6J-YA-00004	P&ID SYMBOLS AND LEGENDS	N
MECH-1	NA	Reference	Mechanical	P&ID	25542-000-M6J-YA-00005	P&ID SYMBOLS AND LEGENDS	N
MECH-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG GENERAL ARRANGEMENT DRAWINGS	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG FEED PIPING ARRANGEMENT	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG FEED PIPING DETAILS	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG LEFT AND RIGHT SW PANELS	

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	CBO Approved
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG CORNER PANELS	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG FRONT AND REAR WALL PANELS	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG PANEL INLET AND OUTLET HEADERS	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG STEAM DRUM DETAILS	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG STEAM DRUM INTERNAL ARRANGEMENT AND DETAILS	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	TUBING, HEADERS & PIPING REQS	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SH PANEL INLET AND OUTLET HEADERS	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	HTSH OUTLET HEADER	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	LOWER LEVEL SH PIIPNG & FDR TUBE DTLS	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	UPPER LEVEL SH PIIPNG & REL TUBE DTLS	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SH SPRAY PIPE AND LINER	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	LOWER LEVEL RH PIPING ARRANGEMENT	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	UPPER LEVEL RH PIPING ARRANGEMENT	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	RH PANEL INLET & OUTLER HEADERS	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	MISC PIPING - DRUM, SUPPORTS / BOM	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SV STACKS, SUPPORTS & SILENCERS	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SPRING HANGERS & SUPPORTS	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	BOILER NAMEPLATE	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	AS-BUILTS	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	MISC FW ATTACHMENTS	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG PIPING AND INSTRUMENTATION DIAGRAMS	
MECH-1	G	Approval	Mechanical	List	25542-000-V1A-MBST-000##	INSTRUMENT LIST	
MECH-1	G	Approval	Mechanical	List	25542-000-V1A-MBST-000##	ELECTRICAL LOAD LIST	
MECH-1	G	Approval	Mechanical	List	25542-000-V1A-MBST-000##	ELECTRICAL HEAT TRACE POWER LIST	
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	INSTRUMENT LOCATION DRAWINGS	
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	ELECTRICAL EQUIPMENT LAYOUT	
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	INSTRUMENT INSTALLATION DETAILS	
MECH-1	NA	Reference	Mechanical	Document	25542-000-V1A-MBST-000##	ISO CERTIFICATE OR QUALITY ASSURANCE MANUAL	
MECH-1	NA	Reference	Mechanical	Document	25542-000-V1A-MBST-000##	OVERALL PROJECT SCHEDULE	

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	CBO Approved
MECH-1	NA	Reference	Mechanical	Document	25542-000-V1A-MBST-000##	SUPPLIER QUALITY MANAGEMENT PROGRAM	
~~MECH-1~~		~~Approval~~	~~Mechanical~~	~~Drawing~~	~~25542-000-V1A-MBST-000##~~	~~Column baseplate locations on the SRSG support platform (elevation 359 ft. above grade)~~	
~~MECH-1~~		~~Approval~~	~~Mechanical~~	~~Drawing~~	~~25542-000-V1A-MBST-000##~~	~~NTE column loads and loading~~	
~~MECH-1~~		~~Approval~~	~~Mechanical~~	~~Drawing~~	~~25542-000-V1A-MBST-000##~~	~~Proposed framed steam arrangement and model (STAAD Model)~~	
~~MECH-1~~		~~Approval~~	~~Mechanical~~	~~Drawing~~	~~25542-000-V1A-MBST-000##~~	~~Structural Steel Standard Detail Drawings~~	
~~MECH-1~~		~~Approval~~	~~Mechanical~~	~~Document~~	~~25542-000-V1A-MBST-000##~~	~~Stairway interface locations and loads~~	
~~MECH-1~~		~~Approval~~	~~Mechanical~~	~~Document~~	~~25542-000-V1A-MBST-000##~~	~~Final Anchor bolt sizes & locations for boiler support sturcture to boiler tower interface~~	
~~MECH-1~~		~~Approval~~	~~Mechanical~~	~~Document~~	~~25542-000-V1A-MBST-000##~~	~~Steel Framing Design~~	
~~MECH-1~~		~~Approval~~	~~Mechanical~~	~~Document~~	~~25542-000-V1A-MBST-000##~~	~~Structural and miscellaneous steel drawings.~~	
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG PIPING ARRANGEMENT DRAWINGS	
MECH-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	KEY PLAN, INCLUDES ARRANGEMENT OF PUMPS, HOIST AND OTHER MAJOR EQUIPMENT	
MECH-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	HOISTS ARRANGEMENT DRAWINGS	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	BOILER HANGER ASSEMBLY LUGS ARRANGEMENT DRAWING	
MECH-1	NA	Reference	Mechanical	List	25542-000-V1A-MBST-000##	LINE LIST	
MECH-1	NA	Reference	Mechanical	List	25542-000-V1A-MBST-000##	WELD LIST	
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	CONCEPTUAL BLOCK DIAGRAM	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	ELECTRICAL WIRING DIAGRAMS	
MECH-1	G	Approval	Mechanical	Document	25542-000-V1A-MBST-000##	ELECTRONIC SUBMITTAL DATA - CABLES	
MECH-1	NA	Reference	Mechanical	Document	25542-000-V1A-MBST-000##	BOILER PERFORMANCE TEST PROCEDURE	
MECH-1	NA	Reference	Mechanical	Document	25542-000-V1A-MBST-000##	NARRATIVE DESCRIBING DEGREE OF SHOP ASSEMBLY AND ERECTION PHILOSOPHY	
MECH-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	DRAWINGS FOR LIFTING AND TILTING BEAMS	
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MBFD-000##	AUXILIARY BOILER ASME CODE COMPLIANCE DOCUMENTS	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MBFD-000##	AUXILIARY BOILER GENERAL ARRANGMENT / LAYOUT	
STRUC-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBFD-000##	AUXILIARY BOILER FOUNDATION INTERFACE DRAWING (INCLUDING CALCULATION)	
MECH-2	NA	Approval	Mechanical	Document	25542-000-V2A-MBFD-000##	NIGHT PRESERVATION BOILER ASME CODE COMPLIANCE DOCUMENTS	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V2A-MBFD-000##	NIGHT PRESERVATION BOILER GENERAL ARRANGMENT / LAYOUT	
STRUC-1	NA	Approval	Mechanical	Drawing	25542-000-V2A-MBFD-000##	NIGHT PRESERVATION BOILER FOUNDATION INTERFACE DRAWING	
MECH-2	NA	Approval	Mechanical	Document	25542-000-V1A-MBHS-000##	ELECTRICAL SUPERHEATER ASME CODE COMPLIANCE DOCUMENTS	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MBHS-000##	ELECTRICAL SUPERHEATER SUPERHEATER GENERAL ARRANGEMENT	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MBHS-000##	ELECTRICAL SUPERHEATER FOUNDATION INTERFACE DRAWING	

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	CBO Approved
MECH-2	NA	Approval	Mechanical	Document	25542-000-V1A-MCRA-000##	AIR COMPRESSOR, AIR RECEIVERS AND AIR DRYERS ASME CODE COMPLIANCE DOCUMENTS	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MCRA-000##	AIR COMPRESSOR GENERAL ARRANGMENT (INCLUDES FOUNDATION INTERFACE DETAILS)	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MCRA-000##	AIR DRYER GENERAL ARRANGMENT (INCLUDES FOUNDATION INTERFACE DETAILS)	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MCRA-000##	AIR RECEIVER GENERAL ARRANGEMENT (INCLUDES FOUNDATION INTERFACE DETAILS)	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MEAA-000##	ACC GENERAL ARRANGEMENT	
STRUC-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MEAA-000##	ACC FOUNDATION INTERFACE DRAWING	
STRUC-1	G	Approval	Mechanical	Document	25542-000-V1A-MEAA-000##	ACC ATTACHMENT DETAILS, LOADS (SNOW, WIND, SEISMIC, ETC.), AND MOVEMENTS CALCULATIONS	
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MEAA-000##	ACC ASME CODE COMPLIANCE DOCUMENTS	
STRUC-1	G	Approval	Mechanical	Document	25542-000-V1A-MEAA-000##	ACC STRUCTURAL DESIGN CALCULATIONS	
STRUC-1	G	Approval	Mechanical	Document	25542-000-V1A-MEAA-000##	ACC STATEMENT OF SPECIAL INSPECTIONS	
STRUC-1	NA	Approval	Mechanical	Resume	25542-000-V1A-MEAA-000##	PE RESUME	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MEAW-000##	WSAC GENERAL ARRANGEMENT	
STRUC-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MEAW-000##	WSAC FOUNDATION INTERFACE DRAWING	
STRUC-1	NA	Approval	Mechanical	Resume	25542-000-V1A-MEAW-000##	WSAC PE RESUME	
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MESW-000##	FEED WATER HEATERS ASME CODE COMPLIANCE DOCUMENTS	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MESW-000##	FEED WATER HEATERS GENERAL ARRANGEMENT DRAWING	
STRUC-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MESW-000##	FEED WATER HEATERS FOUNDATION INTERFACE DRAWING	
STRUC-1	NA	Approval	Mechanical	Resume	25542-000-V1A-MESW-000##	PE RESUME	
STRUC-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MGED-000##	DIESEL GENERATOR SYSTEM GENERAL ARRANGEMENT (INCL FOUNDATION LOAD DATA, ENCLOSURE INFORMATION)	
STRUC-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MGED-000##	DIESEL GENERATOR STRUCTURAL CALCULATION	
STRUC-4	NA	Approval	Mechanical	Drawing	25542-000-V1A-MGED-000##	DIESEL TANK GENERAL ARRANGEMENT AND CALCULATION	
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MGED-000##	EMERGENCY DIESEL GENERATOR FOUNDATION	
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MGED-000##	PE RESUME	
AQSC-9	NA	Approval	Mechanical	Document	25542-000-V1A-MGED-000##	DIESEL ENGINE SPECIFICATION (CUT SHEET) FOR CPM	
ELEC-1	G	Approval	Mechanical	Document	25542-000-V1A-MGED-000##	DIESEL GENERATOR ONE LINE DIAGRAM	
AQ-35	NA	Approval	Mechanical	Document	25542-000-V1A-MGED-000##	DIESEL ENGINE HOUR TIMER SPECIFICATION FOR CPM	
STRUC-1	G	Reference	Civil	Drawing	25542-000-V1A-MPGF-000##	FIRE WATER PUMP GENERAL ARRANGEMENT (INCL FOUNDATION LOAD DATA)	
STRUC-4	G	Approval	Mechanical	Drawing	25542-000-V1A-MPGF-000##	FIRE WATER PUMP DIESEL TANK GENERAL ARRANGEMENT AND CALCULATION	
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MPGF-000##	PE RESUME	
AQSC-9	NA	Approval	Mechanical	Document	25542-000-V1A-MPGF-000##	FIRE WATER PUMP DIESEL ENGINE SPECIFICATION (CUT SHEET) FOR CPM	
AQ-27	NA	Approval	Mechanical	Document	25542-000-V1A-MPGF-000##	FIRE WATER PUMP HOUR TIMER SPECIFICATION FOR CPM	
STRUC-4	NA	Reference	Mechanical	Drawing	25542-000-V1A-MPPM-000##	CHEMICAL FEED SKIDS GENERAL ARRANGEMENT DRAWINGS	
MECH-2	NA	Approval	Mechanical	Document	25542-000-V1A-MSXF-000##	FUEL GAS HEATER ASME CODE COMPLIANCE DOCUMENTS	
MECH-2	NA	Approval	Mechanical	Document	25542-000-V1A-MSXF-000##	FUEL GAS KNOCKOUT DRUM ASME CODE COMPLIANCE DOCUMENTS	
STRUC-1	NA	Reference	Civil	Drawing	25542-000-V1A-MSXF-000##	KNOCK OUT DRUM GENERAL ARRANGEMENT (INCL FOUNDATION INTERFACE DATA)	
STRUC-1	NA	Reference	Civil	Drawing	25542-000-V1A-MSXF-000##	FUEL GAS ELECTRIC HEATER GENERAL ARRANGEMENT (INCL FOUNDATION INTERFACE DATA)	
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	
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-MT00-000##	CODE DESIGN CALCULATIONS - RAW/FIRE WATER STORAGE TANK	

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	CBO Approved
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MT00-000##	FIELD ERECTED TANK GENERAL DRAWING (INCL FOUNDATION INTERFACE DATA) - DEMINERALIZED WATER STORAGE TANK	
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-MT00-000##	CODE DESIGN CALCULATIONS - DEMINERALIZED WATER STORAGE TANK	
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	
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-MT00-000##	CODE DESIGN CALCULATIONS - MIRROR WASH WATER STORAGE TANK	
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MT00-000##	PE RESUME	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-MTSC-000##	SRSG BLOWDOWN TANK GENERAL ARRANGEMENT (INCL FOUNDATION INTERFACE DATA)	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-MTSC-000##	SRSG FLASH TANK GENERAL ARRANGEMENT (INCL FOUNDATION INTERFACE DATA)	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-MTSC-000##	CLOSED COOLING WATER CHEMICAL FEED TANK GENERAL ARRANGEMENT (INCL FOUNDATION INTERFACE DATA)	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-MTSC-000##	CLOSED COOLING WATER HEAD TANK LOAD DATA	
MECH-2	NA	Approval	Mechanical	Document	25542-000-V1A-MTSC-000##	ASME CODE COMPLIANCE DOCUMENTS (PRESSURE VESSEL)	
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MTSC-000##	PE RESUME	
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MUSG-000##	STEAM TURBINE GENERATOR ASME CODE COMPLIANCE DOCUMENTS	
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MUSG-000##	STEAM TURBINE GENERATOR ENCLOSURE	
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MUSG-000##	STEAM TURBINE GENERATOR ENCLOSURE STATEMENT OF SPECIAL INSPECTIONS (CBC CH. 17)	
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MUSG-000##	STEAM TURBINE GENERATOR FOUNDATION LOADS AND DESIGN REQUIREMENT	
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MUSG-000##	STEAM TURBINE GENERATOR FOUNDATION LAYOUT	
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MUSG-000##	STEAM TURBINE GENERATOR CIVIL INFORMATION AND GENERAL ARRANGEMENT DRAWING	
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MUSG-000##	PE RESUME	
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MVR0-000##	DEAERATOR ASME CODE COMPLIANCE DOCUMENTS	
STRUC-1	NA	Reference	Civil	Drawing	25542-000-V1A-MVR0-000##	DEAERATOR GENERAL ARRANGEMENT DRAWING	
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MVR0-000##	DEAERATOR FOUNDATION INTERFACE DRAWING	
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MVR0-000##	PE RESUME	
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MVR0-000##	DEAERATOR STRUCTURAL STEEL STATEMENT OF SPECIAL INSPECTIONS (CBC CH. 17)	
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MWDC-000##	CONDENSATE POLISHER VESSELS ASME CODE COMPLIANCE DOCUMENTS	
STRUC-1	G	Reference	Civil	Drawing	25542-000-V1A-MWDC-000##	CONDENSER POLISHER FOUNDATION INTERFACE DRAWING	
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MWKW-000##	HYDRO-PNEUMATIC TANK ASME CODE COMPLIANCE DOCUMENTS	
MECH-1		Approval	Mechanical	Document	25542-000-V1A-PH06-00002	QUALITY ASSURANCE PROGRAM MANUAL	N
MECH-1		Approval	Mechanical	Document	25542-000-V1A-PH06-00004	APPLICATION FOR APPROVED FABRICATOR STATUS	N
MECH-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-PY21-000##	FIRE PROTECTION SYSTEM LEGEND, DRAWING INDEX AND GENERAL NOTES	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-PY21-000##	FIRE PROTECTION SYSTEM TYPICAL DEVICE LAYOUT, MOUNTING AND WIRING DETAILS	
MECH-1	NA	Reference	Mechanical	Document	25542-000-V1A-PY21-000##	FIRE PROTECTION SYSTEM BILL OF MATERIAL	
MECH-1	G	Approval	Mechanical	Document	25542-000-V1A-PY21-000##	FIRE PROTECTION SYSTEM HYDRAULIC CALCULATIONS	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-PY21-000##	FIRE CONTROL PANEL, CONTROLS & WIRING DETAILS	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-PY21-000##	FIRE EXTINGUISHER LOCATION PLANS	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-PY21-000##	FIRE PROTECTION SYSTEM TYPICAL ISOMETRIC DRAWINGS	
MECH-1	NA	Approval	Mechanical	Resume	25542-000-V1A-PY21-000##	PE RESUME	
STRUC-1	G	Reference	Civil	Drawing	25542-000-V1A-MPGB-000##	BOILER FEED PUMP GENERAL ARRANGEMENT DRAWING (INCL FOUNDATION INTERFACE DATA)	

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	CBO Approved
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MPGB-000##	PE RESUME	
STRUC-4	NA	Approval	Civil	Drawing	25542-000-V1A-MPGB-000##	BOILER FEED PUMP LUBE OIL TANK GENERAL ARRANGEMENT AND CALCULATION	
STRUC-4	NA	Approval	Civil	Drawing	25542-000-V1A-MPGB-000##	BOILER FEED PUMP HYDRAULIC OIL TANK GENERAL ARRANGEMENT AND CALCULATION	
STRUC-1	NA	Reference	Civil	Drawing	25542-000-V2A-MPGB-000##	STARTUP BOILER FEED PUMP GENERAL ARRANGEMENT DRAWING (INCL FOUNDATION INTERFACE DATA)	
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-MLGP-000##	OIL WATER SEPERATOR STRUCTURAL CALCULATION	
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MLGP-000##	PE RESUME	
STRUC-1		Approval	Civil	Calculation	25542-000-V1A-UA11-00001	CALCULATION FOR 120 X 60 MODULAR OFFICE FACILITY	N
STRUC-1		Approval	Civil	Calculation	25542-000-V1A-UA11-00002	CALCULATION FOR 12 X 60 MODULAR OFFICE UNIT	N
STRUC-1		Approval	Civil	Calculation	25542-000-V1A-UA11-00003	CALCULATION FOR 24 X 60 AND 36 X 60 MODULAR OFFICE UNITS	N
STRUC-1		Approval	Civil	Calculation	25542-000-V1A-UA11-00004	CALCULATION FOR 12 X 44 MODULAR RESTROOM UNIT	N
STRUC-1		Approval	Civil	Calculation	25542-000-V1A-UA11-00005	CALCULATION FOR 24 X 45 MODULAR OFFICE UNIT	N
STRUC-1		Approval	Civil	Certificate	25542-000-V1B-AK00-00060	GEM APPLICATION FOR APPROVED FABRICATOR STATUS	Y
STRUC-1		Approval	Civil	Certificate	25542-000-V1B-AK00-00061	GEM AISC CERTIFICATE	Y
STRUC-1		Approval	Civil	Application	25542-000-V1B-AK00-00102	GEM IAS CERTIFICATE	Y
STRUC-1		Approval	Civil	Audit	25542-000-V1B-AK00-00103	GEM FABRICATORS QUALITY MANUAL	Y
STRUC-1		Approval	Civil	Manual	25542-000-V1B-AK00-00104	AISC AUDIT OF GEM FABRICATORS	Y
STRUC-1		Approval	Civil	Calculation	25542-000-V1B-AK00-00018	STRUCTURAL CALC 81FT X 116 FT PAVILION PAD BOND BUILDING	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00006	PAD BUILDING LOAD DRAWING	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00023	PAD BONDING BUILDING - 81FT X 116 FT PAVILION FABRIC INSTALLATION DETAILS	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00024	PAD BOND BUILDING - 81FT X 116FT PAVILION ENDWALL	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00025	PAD BOND BUILDING - 81FT X 116FT PAVILION MIDDLE SECTION	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00026	PAD BOND BUILDING - 81FT X 116FT PAVILION ENDWALL	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00027	PAD BOND BUILDING - 81FT X 116FT PAVILION GENERAL NOTES	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00028	PAD BOND BUILDING - 81FT X 116FT PAVILION WIRE ROPE	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00029	PAD BOND BUILDING - 81FT X 116FT PAVILION FRAMES, CONNECTIONS, AND BRACING LAYOUT	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00030	PAD BOND BUILDING - 81FT X 116FT PAVILION ENDWALL INSTALLATION	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00031	PAD BOND BUILDING - 81FT X 116FT PAVILION DOOR HEADER AND VENT INSTALLATION	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00099	PAD BOND BUILDING - 81FT X 116FT PAVILIONPOCKET BEAM INSTALLATION	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00100	PAD BOND BUILDING - 81FT X 116FT PAVILION FABRIC INSTALLATION DETAILS	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00105	PAD BOND BUILDING - 81FT X 116FT PAVILION FRAME LEG L1, L1M, L2	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00106	PAD BOND BUILDING - 81FT X 116FT PAVILION EAVE CURVE C1 AND C2	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00107	PAD BOND BUILDING - 81FT X 116FT PAVILION TOP CURVE C1T AND C2T	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00108	PAD BOND BUILDING - 81FT X 116FT PAVILION STRAIGHT S1 AND S2	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00109	PAD BOND BUILDING - 81FT X 116FT PAVILION PURLIN P1, P2, AND X-BRACING	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00110	PAD BOND BUILDING - 81FT X 116FT PAVILION SNOW BREAK P3	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00111	PAD BOND BUILDING - 81FT X 116FT PAVILION POCKET BEAM PB1 - PB12	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00112	PAD BOND BUILDING - 81FT X 116FT PAVILION GIRT G1 - G10	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00113	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W1	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00114	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W2	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00115	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W3	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00116	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W4	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00117	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W5	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00118	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W6	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00119	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W7	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00120	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W8	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	CBO Approved
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00121	PAD BOND BUILDING - 81FT X 116FT PAVILION 22 FEET OVERHEAD DOOR HEADER H77-1	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00122	PAD BOND BUILDING - 81FT X 116FT PAVILION OVERHEAD DOOR HEADER H77-2	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00123	PAD BOND BUILDING - 81FT X 116FT PAVILION OVERHEAD DOOR HEADER H77-3	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00124	PAD BOND BUILDING - 81FT X 116FT PAVILION OVERHEAD DOOR HEADER H77-4	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00125	PAD BOND BUILDING - 81FT X 116FT PAVILION DOOR POST H17-1	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00126	PAD BOND BUILDING - 81FT X 116FT PAVILION TYPICAL TRUSS DETAIL	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00127	PAD BOND BUILDING - 81FT X 116FT PAVILION HARDWARE DETAILS	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00128	PAD BOND BUILDING - 81FT X 116FT PAVILION VENT FRAME V1	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00129	PAD BOND BUILDING - 81FT X 116FT PAVILION DETAIL OF GALVANIZING DRAIN HOLE	N
STRUC-1		Approval	Civil	Calculation	25542-000-V1B-AK00-00057	STRUCTURAL CALCULATIONS 121FT X 400FT PVAILION HELIOSTAT ASSEMBLY BUILDING	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00005	HELIOSTAT ASSEMBLY BUILDING LOAD DRAWING	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00043	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION DOOR INSTALLATION	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00044	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION GENERAL MAP LAYOUT	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00045	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION ENDWALL	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00046	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION MIDDLE SECTION NO QC SCANNER	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00047	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION MIDDLE SECTION QC SCANNER	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00048	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION ENDWALL 2	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00049	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION SIDEWALL E ELEVATION VIEW	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00050	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION SIDEWALL B ELEVATION VIEW	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00051	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION GENERAL NOTES	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00052	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION WIRE ROPE	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00053	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION RAMES, CONNECTIONS AND BRACING LAYOUT	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00054	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION RAMES, CONNECTIONS AND BRACING LAYOUT - 2	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00055	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION RAMES, CONNECTIONS AND BRACING LAYOUT - 3	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00056	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION ENDWALL INSTALLATION	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00042	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION ENDWALL INSTALLATION DETAIL	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00020	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION POCKET BEAM INSTALLATION	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00101	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION FABRIC INSTALLATION DETAILS	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00022	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION FRAME LEGS L1, L1M, L2	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00064	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION FRAME LEGS L1, L1M, L2	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00065	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION LOW STRAIGHT S1, S1M, S10	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00130	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION MIDDLE STRAIGHT S2, S20	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00131	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION TOP STRAIGHT S3, S3M, AND S30	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	CBO Approved
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00132	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION LEG 11, L11M	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00133	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION STRAIGHT S11, S11M	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00134	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION PURLIN P1, P2, P3 AND P11	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00135	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION GIRT AND DOOR FRAME G1-G13	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00136	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION POCKET BEAM PB1 - PB5	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00137	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION COLUMN W1	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00138	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION COLUMN W2	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00139	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION COLUMN W3	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00140	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION COLUMN W4	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00141	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION COLUMN W5	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00142	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION COLUMN W6	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00143	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION DOOR HEADER, H77-1, H77-2	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00144	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION DOOR POST H17-1	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00145	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION DOOR POST H17-2 AND H17-3	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00146	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION DOOR HEADER H2	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00147	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION TYPICAL TRUSS DETAIL	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00148	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION HARDWARE DETAILS	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00152	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION PURLIN P5, P6	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00153	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION PURLIN P4 AND X1	N
STRUC-1		Approval	Civil	Drawing	25542-000-V1B-AK00-00154	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION DETAIL OF GALVANIZING DRAIN HOLE	N
TSE-5	T	Approval	STE/Civil	Document	25542-000-3DR-C04G-00001	SWITCHYARD STRUCTURAL DESIGN CRITERIA	
TSE-5		Approval		Document	25542-000-3DR-C04G-00002	115 KV SWITCHYARD CIVIL - STRUCTURAL DESIGN CRITERIA	Y
TSE-5	T	Approval	STE/Civil	Drawing	25542-001-DB-3510-00001	SWITCHYARD CONCRETE FOUNDATION GENERAL ARRANGEMENT PLAN	
TSE-5	T	Approval	STE/Civil	Drawing	25542-002-DB-3510-00001	SWITCHYARD CONCRETE FOUNDATION GENERAL ARRANGEMENT PLAN	
TSE-5	T	Approval	STE/Civil	Drawing	25542-003-DB-3510-00001	SWITCHYARD CONCRETE FOUNDATION GENERAL ARRANGEMENT PLAN	
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-DB-3590-00001	SWITCHYARD CONCRETE FOUNDATIONS CT AND VT	
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-DB-3590-00002	SWITCHYARD CONCRETE FOUNDATIONS BS AND SA	
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-DB-3590-00003	SWITCHYARD CONCRETE FOUNDATIONS CB AND DS	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00001	FOUNDATION CALC - 115 KV BUS SUPPORT	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00002	FOUNDATION CALC - 115 KV CIRCUIT BREAKER	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00003	FOUNDATION CALC - 115 KV CURRENT TRANSFORMER	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00004	FOUNDATION CALC - 115 KV DISCONNECT SWITCH	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00005	FOUNDATION CALC - 115 KV SURGE ARRESTER	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00006	FOUNDATION CALC - 115 KV VOLTAGE TRANSFORMER	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00007	FOUNDATION CALC - 115 KV CABLE TERMINATOR	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-E1-EZ-00001	SWITCHYARD SINGLE LINE METER & RELAY DIAGRAM	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-EG-3510-00001	SWITCHYARD GROUNDING PLAN	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-EG-3590-00002	SWITCHYARD GROUNDING SECTIONS AND DETAILS	
TSE-5	T	Approval	STE/Elect.	Calculation	25542-001-EMC-EZ-00001	SWITCHYARD RELAY SETTINGS	
TSE-5	T	Approval	STE/Elect.	Calculation	25542-002-EMC-EZ-00001	SWITCHYARD RELAY SETTINGS	
TSE-5	T	Approval	STE/Elect.	Calculation	25542-003-EMC-EZ-00001	SWITCHYARD RELAY SETTINGS	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-ER-3501-00001	SWITCHYARD UNDERGROUND RACEWAY PLAN	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-ER-3510-00001	SWITCHYARD ABOVE GRADE CONDUIT DETAILS	

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	CBO Approved
TSE-5	T	Approval	STE/Elect.	Drawing	25542-001-EZ-3510-00001	SWITCHYARD GENERAL ARRANGEMENT	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-002-EZ-3510-00001	SWITCHYARD GENERAL ARRANGEMENT	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-003-EZ-3510-00001	SWITCHYARD GENERAL ARRANGEMENT	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-EZ-3590-00001	SWITCHYARD SECTIONS AND DETAILS	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-EZ-3590-00002	SWITCHYARD ELECTRICAL HARDWARE DETAILS	
TSE-5	T	Approval	STE/Civil	Drawing	25542-001-SS-3510-00001	SWITCHYARD EQUIPMENT SUPPORT STRUCTURES ARRANGEMENT PLAN	
TSE-5	T	Approval	STE/Civil	Drawing	25542-002-SS-3510-00001	SWITCHYARD EQUIPMENT SUPPORT STRUCTURES ARRANGEMENT PLAN	
TSE-5	T	Approval	STE/Civil	Drawing	25542-003-SS-3510-00001	SWITCHYARD EQUIPMENT SUPPORT STRUCTURES ARRANGEMENT PLAN	
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-SS-3590-00001	SWITCHYARD STRUCTURAL STEEL EQUIPMENT SUPPORT STRUCTURE FOR INSULATOR	
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-SS-3590-00002	SWITCHYARD STRUCTURAL STEEL EQUIPMENT SUPPORT STRUCTURE FOR DS	
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-SS-3590-00003	SWITCHYARD STRUCTURAL STEEL EQUIPMENT SUPPORT STRUCTURE FOR CT	
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-SS-3590-00004	SWITCHYARD STRUCTURAL STEEL EQUIPMENT SUPPORT STRUCTURE FOR VT	
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-SS-3590-00005	SWITCHYARD STRUCTURAL STEEL EQUIPMENT SUPPORT STRUCTURE FOR SA	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-SSC-3510-00001	STRUCTURAL CALC - 115 KV BUS SUPPORT	N
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-SSC-3510-00002	STRUCTURAL CALC - 115 KV CURRENT TRANSFORMER SUPPORT	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-SSC-3510-00003	STRUCTURAL CALC - 115 KV SURGE ARRESTER SUPPORT	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-SSC-3510-00004	STRUCTURAL CALC - 115 KV VOLTAGE TRANSFORMER SUPPORT	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-SSC-3510-00005	STRUCTURAL CALC - 115 KV DISCONNECT SWITCH STEEL SUPPORT	
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EMC3-000##	DATA SHEET FOR HV CURRENT TRANSFORMER	
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EMT3-000##	DATA SHEET FOR VOLTAGE TRANSFORMER	
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-ENA3-000##	DATA SHEET FOR HV CIRCUIT BREAKER	
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-000##	DATA SHEET FOR HIGH VOLTAGE UNDERGROUND CABLE	
TSE-5		Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00002	UNIT 1 - 115KV UNDERGROUND CABLE AND OVERHEAD LINE ROUTING PLAN	N
TSE-5		Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00003	UNIT 1 - 115KV AND 33KV UNDERGROUND CABLE PARTIAL PLANS AND SECTIONS	N
TSE-5		Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00004	UNIT 1 - 115KV UNDERGROUND TO OVERHEAD DETAILED TRANSITION YARD PLAN	N
TSE-5		Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00005	UNIT 1 - 115KV UNDERGROUND TO OVERHEAD TRANSITION YARD SECTIONS AND DETAILS	N
TSE-5		Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00006	UNIT 1 - 115KV SYSTEM BONDING SCHEMATIC	N
TSE-5		Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00007	UNIT 1 - 115KV SPLICE DETAIL	N
TSE-5		Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00008	UNIT 1 - 115KV TRANSITION YARD COMMON AREA FENCE AND GATE DETAIL	N
TSE-5		Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00009	COMMON AREA 115KV AND 33KV UNDERGROUND CABLE AND OVERHEAD LINE ROUTING PLAN	N
TSE-5		Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00025	UNIT1 - 115KV UNDERGROUND TO OVERHEAD TRANSITION STRUCTURE LOADING TREES	N
TSE-2					25542-000-V1A-EWZ0-00026	RESUME: NIZOM GHANTOUS, ELECTRICAL ENGINEER	Y
TSE-2		Approval		Resume	25542-000-V1A-EWZ0-00027	RESUME: SCOTT KIRBY, CIVIL ENGINEER	Y
TSE-5		Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00046	UNIT1 - 115KV AND 33KV UNDERGROUND CABLE PLAN AND PROFILE SHEET 6 OF 6	N
TSE-2				Cover Letter	25542-000-V1A-EWZ0-00047	COVER LETTER	Y
TSE-2		Approval		Cover Letter	25542-000-V1A-EWZ0-00048	COVER LETTER	Y
TSE-5		Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00049	UNIT1 - 115KV AND 33KV UNDERGROUND CABLE PLAN AND PROFILE SHEET 1 OF 6	N
TSE-5		Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00052	UNIT1 - 115KV AND 33KV UNDERGROUND CABLE PLAN AND PROFILE SHEET 2 OF 6	N
TSE-5		Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00053	UNIT1 - 115KV AND 33KV UNDERGROUND CABLE PLAN AND PROFILE SHEET 3 OF 6	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	CBO Approved
TSE-5		Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00054	UNIT1 - 115KV AND 33KV UNDERGROUND CABLE PLAN AND PROFILE SHEET 4 OF 6	N
TSE-5		Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00055	UNIT1 - 115KV AND 33KV UNDERGROUND CABLE PLAN AND PROFILE SHEET 5 OF 6	N
TSE-5	T	Approval	STE/Civil	Calculation	25542-001-V1A-EWZ0-000##	FOUNDATION CALC - 115 KV OHTL TAKEOFF TOWER	
TSE-5	T	Approval	STE/Civil	Calculation	25542-001-V1A-EWZ0-000##	STRUCTURAL CALC - 115 KV OHTL TAKEOFF TOWER	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-001-V1A-EWZ0-000##	UNDERGROUND TRANSMISSION LINE ROUTING	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-001-V1A-EWZ0-000##	OVERHEAD TRANSMISSION LINE - 115 KV UNDERGROUND CABLE TRANSITION YARD GENERAL ARRANGEMENT	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-001-V1A-EWZ0-000##	OVERHEAD TRANSMISSION LINE - 115 KV UNDERGROUND CABLE TRANSITION YARD SECTIONS AND DETAILS	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-002-V1A-EWZ0-000##	UNDERGROUND TRANSMISSION LINE ROUTING	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-003-V1A-EWZ0-000##	UNDERGROUND TRANSMISSION LINE ROUTING	
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EYG3-000##	DATA SHEET FOR HV SURGE ARRESTER	
~~TSE-5~~		~~Approval~~	~~STE/Civil~~	~~Calculation~~	~~25542-001-V1A-EZ00-000##~~	~~FOUNDATION CALC - 115 KV OVERHEAD TRANSMISSION LINE POLES~~	
~~TSE-5~~		~~Approval~~	~~STE/Civil~~	~~Calculation~~	~~25542-001-V1A-EZ00-000##~~	~~LOADING TREE CALCULATION OVERHEAD TRANSMISSION LINE POLES~~	
~~TSE-5~~		~~Approval~~	~~STE/Civil~~	~~Drawing~~	~~25542-001-V1A-EZ00-000##~~	~~OVERHEAD TRANSMISSION LINE PLAN AND PROFILE~~	
~~TSE-5~~		~~Approval~~	~~STE/Civil~~	~~Drawing~~	~~25542-001-V1A-EZ00-000##~~	~~OVERHEAD TRANSMISSION LINE STRINGING CHART~~	
~~TSE-5~~		~~Approval~~	~~STE/Civil~~	~~Drawing~~	~~25542-001-V1A-EZ00-000##~~	~~FOUNDATIONS OVERHEAD TRANSMISSION LINE POLES~~	
~~TSE-5~~		~~Approval~~	~~STE/Civil~~	~~Drawing~~	~~25542-001-V1A-EZ00-000##~~	~~LOADING TREE DIAGRAM FOR OVERHEAD TRANSMISSION LINE POLES~~	
TSE-5	T	Approval	STE/Civil	Calculation	25542-002-V1A-EZ00-000##	FOUNDATION CALC - 115 KV OVERHEAD TRANSMISSION LINE POLES	
TSE-5	T	Approval	STE/Civil	Calculation	25542-002-V1A-EZ00-000##	LOADING TREE CALCULATION OVERHEAD TRANSMISSION LINE POLES	
TSE-5	T	Approval	STE/Civil	Drawing	25542-002-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE PLAN AND PROFILE	
TSE-5	T	Approval	STE/Civil	Drawing	25542-002-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE STRINGING CHART	
TSE-5	T	Approval	STE/Civil	Drawing	25542-002-V1A-EZ00-000##	FOUNDATIONS OVERHEAD TRANSMISSION LINE POLES	
TSE-5	T	Approval	STE/Civil	Drawing	25542-002-V1A-EZ00-000##	LOADING TREE DIAGRAM FOR OVERHEAD TRANSMISSION LINE POLES	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-002-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE CONDUCTOR & SHIELD WIRE PLAN	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-002-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE - 115 KV UNDERGROUND CABLE TRANSITION YARD GENERAL ARRANGEMENT	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-002-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE - 115 KV UNDERGROUND CABLE TRANSITION YARD SECTIONS AND DETAILS	
TSE-5	T	Approval	STE/Civil	Calculation	25542-003-V1A-EZ00-000##	FOUNDATION CALC - 115 KV OVERHEAD TRANSMISSION LINE POLES	
TSE-5	T	Approval	STE/Civil	Calculation	25542-003-V1A-EZ00-000##	LOADING TREE CALCULATION OVERHEAD TRANSMISSION LINE	
TSE-5	T	Approval	STE/Civil	Drawing	25542-003-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE PLAN AND PROFILE	
TSE-5	T	Approval	STE/Civil	Drawing	25542-003-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE STRINGING CHART	
TSE-5	T	Approval	STE/Civil	Drawing	25542-003-V1A-EZ00-000##	FOUNDATIONS OVERHEAD TRANSMISSION LINE POLES	
TSE-5	T	Approval	STE/Civil	Drawing	25542-003-V1A-EZ00-000##	LOADING TREE DIAGRAMS FOR OVERHEAD TRANSMISSION LINE	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-003-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE CONDUCTOR & SHIELD WIRE PLAN	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-003-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE - 115 KV UNDERGROUND CABLE TRANSITION YARD GENERAL ARRANGEMENT	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-003-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE - 115 KV UNDERGROUND CABLE TRANSITION YARD SECTIONS AND DETAILS	
TSE-2	NA	Approval	STE/Civil	Resume	25542-000-V1A-EWZ0-000##	Responsible Design Engineer for transmission structures Resume and Registration	Y
TSE-2	NA	Approval	STE/Elect.	Resume	25542-000-V1A-EWZ0-000##	Responsible Electrical Engineer Resume and Registration	Y
TSE-2	NA	Approval	STE/Elect.	Resume	25542-000-V1A-EZ00-000##	Responsible Design Engineer for transmission structures Resume and Registration	Y
TSE-2	NA	Approval	Electrical	Resume	25542-000-V1A-EZ00-000##	Responsible Electrical Engineer Resume and Registration	Y
TSE-5	T	Approval	STE/Elect.	Calculation	25542-000-V1A-EWZ0-000##	UNDERGROUND TRANSMISSION LINE AMPACITY CALCULATION	
TSE-5	T	Approval	STE/Elect.	Document	25542-000-V1A-EWZ0-000##	DESIGN CRITERIA FOR UNDERGROUND TRANSMISSION LINE	
TSE-5	T	Approval	STE/Elect.	Document	25542-000-V1A-EWZ0-000##	DESIGN CRITERIA FOR OVERHEAD TRANSMISSION LINE	
STRUC-1	G	Approval	Civil	Drawing	25542-000-C0-0090-00001	CIVIL/STRUCTURAL STANDARDS - SITE WORK SHEET 1 GENERAL NOTES & LEGEND	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	CBO Approved
STRUC-1	G	Approval	Civil	Drawing	25542-000-C0-0090-00002	CIVIL/STRUCTURAL STANDARDS - EROSION & SEDIMENT CONTROL SHEET 2 TYPICAL DETAILS	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-C0-0090-00003	CIVIL/STRUCTURAL STANDARDS - SITE WORK SHEET 3 TYPICAL FENCING SECTIONS & DETAILS	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-C0-0090-00004	CIVIL/STRUCTURAL STANDARDS - SITE WORK SHEET 4 TYPICAL GRADING & SURFACING DETAILS	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-D0-0090-00001	CIVIL/STRUCTURAL STANDARDS - CONCRETE SHEET 1 GENERAL NOTES & LEGEND	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-D0-0090-00002	CIVIL/STRUCTURAL STANDARDS - CONCRETE SHEET 2 TYPICAL SECTIONS AND DETAILS	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-D0-0090-00003	CIVIL/STRUCTURAL STANDARDS - CONCRETE SHEET 3 TYPICAL SECTIONS AND DETAILS	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-D0-0090-00004	CIVIL/STRUCTURAL STANDARDS - CONCRETE SHEET 4 TYPICAL SECTIONS AND DETAILS	Y
STRUC-1		Approval	Civil	Drawing	25542-000-S0-0000-00001	STATEMENT OF SPECIAL INSTRUCTION	Y
STRUC-2		Approval	Civil	Drawing	25542-000-S0-0000-00002	STATEMENT OF STRUCTURAL OBSERVATION	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-S0-0090-00001	CIVIL/STRUCTURAL STANDARDS - STRUCTURAL STEEL SHEET 1 GENERAL NOTES AND LEGEND	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-S0-0090-00002	CIVIL/STRUCTURAL STANDARDS - STRUCTURAL STEEL SHEET 2 TYPICAL SECTIONS AND DETAILS	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-S0-0090-00003	CIVIL/STRUCTURAL STANDARDS - STRUCTURAL STEEL SHEET 3 TYPICAL SECTIONS AND DETAILS	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-S0-0090-00004	CIVIL/STRUCTURAL STANDARDS - STRUCTURAL STEEL SHEET 4 TYPICAL SECTIONS AND DETAILS	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-S0-0090-00005	CIVIL/STRUCTURAL STANDARDS - STRUCTURAL STEEL SHEET 5 TYPICAL SECTIONS AND DETAILS	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-S0-0090-00006	CIVIL/STRUCTURAL STANDARDS - STRUCTURAL STEEL SHEET 6 TYPICAL SECTIONS AND DETAILS	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-S0-0090-00007	CIVIL/STRUCTURAL STANDARDS - STRUCTURAL STEEL SHEET 7 TYPICAL SECTIONS AND DETAILS	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	Y
STRUC-1	NA	Approval	Civil	Document	25542----	STATEMENT OF SPECIAL INSPECTIONS - BECHTEL CIVIL/STRUCTURAL WORK (CBC CH. 17)	
STRUC-1		Approval	Civil	Drawing	25542-000-C0-0090-00001	SITE WORK SHEET 1 - NOTES, LEGEND AND DETAILS	Y
STRUC-1		Approval	Civil	Drawing	25542-000-C0-0090-00003	SITE WORK SHEET 3 - TYPICAL FENCING SECTIONS AND DETAILS	Y
STRUC-1		Approval	Civil	Drawing	25542-000-C0-0090-00004	SITE WORK SHEET 4 - TYPICAL GRADING AND SURFACING DETAILS	Y
STRUC-1		Approval	Civil	Drawing	25542-000-C0-0090-00006	SITE WORK SHEET 6 - TYPICAL FENCING SECTIONS AND DETAILS	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-C2-0000-00001	SITE PLAN	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-C2-0000-00002	ViCINITY PLAN	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-C2-0000-00003	TOPOGRAPHY PLAN	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-009-C2-0010-00002	Common Area Construction Facilities Plan	Y
STRUC-1		Approval	Civil	Drawing	25542-009-C2-0010-00005	CONSTRUCTION FACILITIES COMMON OFFICE AREA LAYOUT	Y
STRUC-1		Approval	Civil	Drawing	25542-009-C2-0010-00006	CONSTRUCTION FACILITIES HAB AREA LAYOUT	N
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-C2-0010-00003	Power Block Construction Facilities Plan	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CD-0000-00001	Hydrology Map Pre-Development	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CD-0000-00002	Hydrology Map Post-Development	Y
CIVIL-1		Approval	Civil	Drawing	25542-000-CD-0090-00001	UNIT 1 AND COMMON PLANT ROAD CROSS DRAINS PLANS, SECTIONS AND TABLES	
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-001-CD-0000-00001	Hydrology Map Post-Development Power Block	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-C2-0010-00001	FENCING PLAN -SHEET 1	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-C2-0010-00002	FENCING PLAN - SHEET 2	Y
S&W-1 / CIVIL-1		Approval	Civil	Drawing	25542-001-C2-0010-00001	CONSTRUCTION FACILITIES LAYOUT ARRANGEMENT UNIT 1 POWER BLOCK	Y
S&W-1 / CIVIL-1		Approval	Civil	Drawing	25542-001-C2-0011-00001	IVANPAH 1 PLAN - DISTURBANCE AREA	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	CBO Approved
S&W-1 / CIVIL-1		Approval	Civil	Drawing	25542-009-C2-0011-00001	COMMON AREA PLAN - DISTURBANCE AREAS	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CE-0010-00001	EROSION AND SEDIMENT CONTROL	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-001-CG-0010-00001	POWER BLOCK 1 - ROUGH GRADING & DRAINAGE PLAN	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-001-CG-0090-00001	POWER BLOCK 1 - ROUGH GRADING & DRAINAGE PROFILE & SECTIONS	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-002-CG-0010-00001	POWER BLOCK 2 - ROUGH GRADING & DRAINAGE PLAN	N
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-002-CG-0090-00001	POWER BLOCK 2 - ROUGH GRADING & DRAINAGE PROFILE & SECTIONS	N
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-003-CG-0010-00001	POWER BLOCK 3 - ROUGH GRADING & DRAINAGE PLAN	
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-003-CG-0090-00001	POWER BLOCK 3 - ROUGH GRADING & DRAINAGE PROFILE & SECTIONS	
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-009-CG-0010-00001	COMMON AREA - ROUGH GRADING PLAN	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-009-CG-0090-00001	COMMON AREA - ROUGH GRADING & DRAINAGE PROFILE & SECTIONS	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-009-CG-0011-00001	EPHEMERAL WASH CROSSINGS	
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-001-CS-0010-00001	POWER BLOCK 1 - FINISH GRADING & PAVING PLAN	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-002-CS-0010-00001	POWER BLOCK 2 - FINISH GRADING & PAVING PLAN	N
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-003-CS-0010-00001	POWER BLOCK 3 - FINISH GRADING & PAVING PLAN	
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-009-CS-0010-00001	COMMON AREA - FINISH GRADING PLAN	
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00001	ROADWAY GRADING & PAVING PLAN - SHEET 1	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00002	ROADWAY GRADING & PAVING PLAN - SHEET 2	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00003	ROADWAY GRADING & PAVING PLAN - SHEET 3	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00004	ROADWAY GRADING & PAVING PLAN - SHEET 4	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00005	ROADWAY GRADING & PAVING PLAN - SHEET 5	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00006	ROADWAY GRADING & PAVING PLAN - SHEET 6	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00007	ROADWAY GRADING & PAVING PLAN - SHEET 7	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00008	ROADWAY GRADING & PAVING PLAN - SHEET 8	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00009	ROADWAY GRADING & PAVING PLAN - SHEET 9	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00010	ROADWAY GRADING & PAVING PLAN - SHEET 10	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00011	ROADWAY GRADING & PAVING PLAN - SHEET 11	
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00012	ROADWAY GRADING & PAVING PLAN - SHEET 12	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00013	ROADWAY GRADING & PAVING PLAN - SHEET 13	N
STRUC-1		Approval	Civil	Drawing	25542-000-D0-0090-00001	CONCRETE SHEET 1 GENERAL NOTES AND LEGEND	Y
STRUC-1		Approval	Civil	Drawing	25542-000-D0-0090-00002	CONCRETE SHEET 2 TYPICAL SECTIONS AND DETAILS	Y
STRUC-1		Approval	Civil	Drawing	25542-000-D0-0090-00003	CONCRETE SHEET 3 TYPICAL SECTIONS AND DETAILS	Y
STRUC-1		Approval	Civil	Drawing	25542-000-D0-0090-00004	CONCRETE SHEET4 TYPICAL SECTIONS AND DETAILS	Y
STRUC-1		Approval	Civil	Drawing	25542-009-DA-9010-00001	COMMON AREA HELIOSTAT ASSEMBLY AND PAD BONDING MACHINE BUILDING PRECAST BLOCK ARRANGEMENT PLAN	Y
STRUC-1		Approval	Civil	Drawing	25542-009-DA-9010-00002	COMMON AREA HELIOSTAT ASSEMBLY AND PAD BONDING MACHINE BUILDING PRECAST BLOCK PLAN AND SECTIONS	Y
STRUC-1		Approval	Civil	Drawing	25542-009-DA-9010-00003	Common Area HAB Precast Block Plan and Sections	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-0100-00001	POWER BLOCK SUMP PLAN & SECTIONS	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-0410-00001	Steam Turbine Platform FOUNDATION PLAN	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-0490-00001	Steam Turbine Platform FOUNDATION SECTIONS & DETAILS	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1110-00001	IVANPAH 1, 2, AND 3 SOLAR TOWER FOUNDATION PLAN, SECTION AND DETAILS	N
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1120-00001	Solar TOWER ELEVATED SLAB PLANS	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1190-00001	IVANPAH 1, 2, AND 3 SOLAR TOWER FOUNDATION DETAILS AND SECTIONS	N
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1110-00001	Solar TOWER FOUNDATION REINFORCING PLAN	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1190-00001	Solar TOWER FOUNDATION REINFORCING SECTIONS & DETAILS	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1910-00001	AUXILIARY BOILER FOUNDATION - PLAN	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1990-00001	AUXILIARY BOILER FOUNDATION SECTIONS & DETAILS	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-2110-00001	STEAM TURBINE ENCLOSURE BUILDING SLAB PLAN & SECTIONS	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-2110-00002	STEAM TURBINE AREA SLAB PLAN & SECTIONS	

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	CBO Approved
STRUC-1	G	Approval	Civil	Drawing	25542-001-DB-2410-00001	STEAM TURBINE FOUNDATION PLAN	N
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-2420-00001	STEAM TURBINE PEDESTAL PLAN	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-2490-00001	STEAM TURBINE SECTIONS & DETAILS	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DD-2420-00001	STEAM TURBINE PEDESTAL EMBEDDED PLATES PLAN	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DD-2490-00001	STEAM TURBINE PEDESTAL EMBEDDED PLATES SECTIONS & DETAILS	
STRUC-1		Approval	Civil	Drawing	25542-001-DD-2410-00001	STG FOUNDATION PLAN ANCHOR BOLTS AND EMBEDDED PLATES	N
STRUC-1		Approval	Civil	Drawing	25542-000-DG-1110-00001	IVANPAH 1, 2 AND 3 SOLAR TOWER FOUNDATION REINFORCING PLAN, TOP BARS	N
STRUC-1		Approval	Civil	Drawing	25542-000-DG-1110-00002	IVANPAH 1, 2 AND 3 SOLAR TOWER FOUNDATION REINFORCING PLAN, BOTTOM BARS	N
STRUC-1		Approval	Civil	Drawing	25542-000-DG-1190-00001	IVANPAH 1, 2 AND 3 SOLAR TOWER FOUNDATION REINFORCING SECTIONS AND DETAILS	N
STRUC-1	G	Approval	Civil	Drawing	25542-000-DG-2410-00001	STEAM TURBINE FOUNDATION REINFORCING PLAN	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DG-2420-00001	STEAM TURBINE PEDESTAL REINFORCING PLAN	
STRUC-1		Approval	Civil	Drawing	25542-000-DG-7290-00001	AIR COOLED CONDENSER FOUNDATION TYPE F1, F2 AND F3 PLAN AND SECTIONS	N
STRUC-1		Approval	Civil	Drawing	25542-000-DG-7290-00002	AIR COOLED CONDENSER FOUNDATION TYPE F4, F5, F5A, AND F6 PLAN AND SECTIONS	N
STRUC-1	G	Approval	Civil	Drawing	25542-000-DG-7290-00003	AIR COOLED CONDENSER FOUNDATION TYPE F7 AND F8 PLANS AND SECTIONS	N
STRUC-1		Approval	Civil	Drawing	25542-001-DB-2410-00001	STG FOUNDATION NEATLINE PLAN AND SECTIONS	N
STRUC-1		Approval	Civil	Drawing	25542-001-DG-2410-00001	STG FOUNDATION REINFORCING PLAN	N
STRUC-1	G	Approval	Civil	Drawing	25542-001-DG-2490-00001	STEAM TURBINE SECTIONS & DETAILS	N
STRUC-1	G	Approval	Civil	Drawing	25542-001-DG-2490-00002	STEAM TURBINE SECTIONS & DETAILS	N
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-3110-00001	Plant Services Foundation PLAN	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-3210-00001	ELECTRICAL MODULE SLAB PLAN	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-3210-00002	ELECTRICAL MODULE SLAB PLAN	
STRUC-1		Approval	Civil	Drawing	25542-009-DB-3210-00001	COMMON AREA ELECTRICAL MODULE (33KV SWITCHGEAR) FOUNDATION PLAN AND SECTION	Y
STRUC-1		Approval	Civil	Drawing	25542-009-DB-3210-00002	COMMON AREA 500 KVA PAD MOUNTED TRANSFORMER FOR PLANT LAYDOWN AREA FOUNDATION PLAN AND SECTION	Y
STRUC-1		Approval	Civil	Drawing	25542-009-DB-3210-00003	COMMON AREA 1000KVA PAD MOUNTED TRANSFORMER FOR CONSTRUCTION OFFICES FOUNDATION PLAN AND SECTION	Y
STRUC-1		Approval	Civil	Drawing	25542-009-DB-3210-00004	COMMON AREA 1000KVA PAD MOUNTED TRANSFORMER FOR CONSTRUCTION ADMIN BUILDING PLAN AND SECTION	Y
STRUC-1		Approval	Civil	Drawing	25542-009-DB-3210-00005	DESIGN OF FOUNDATION FOR PAD MOUNTED 1500KVA TRANSFORMER FOR HELIOSTAT ASSEMBLY BUILDING	Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-3310-00001	MCC TRANSFORMER FOUNDATION PLAN & SECTIONS	
TSE-5	T	Approval	Civil	Drawing	25542-000-DB-3410-00001	UNIT AUXILIARY & GENERATOR STEP-UP TRANSFORMER FOUNDATION PLAN	
TSE-5	T	Approval	Civil	Drawing	25542-000-DB-3490-00001	UNIT AUXILIARY & GENERATOR STEP-UP TRANSFORMER FOUNDATION SECTIONS	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-3710-00001	EMERGENCY DIESEL GENERATOR	
TSE-5	T	Approval	Civil	Drawing	25542-000-DB-3810-00001	GENERATOR CIRCUIT BREAKER & EXCITATION TRANSFORMER FOUNDATION PLAN	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-6110-00001	LUBE OIL/DIESEL UNLOADING & STG LAYDOWN AREA SLAB PLAN & SECTIONS	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7110-00001	WATER TREATMENT AREA SLAB PLAN	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7110-00002	WATER TREATMENT AREA EQUIPMENT PAD PLAN	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7190-00001	WATER TREATMENT AREA SECTIONS & DETAILS	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7210-00001	AIR COOLED CONDENSER FOUNDATIONS PLAN	N
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7290-00001	AIR COOLED CONDENSER FOUNDATIONS SECTIONS & DETAILS	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-7211-00001	DRY DELUGED AUXILIARY COOLER FOUNDATION PLAN & SECTIONS	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7610-00001	DEMINERALIZED WATER STORAGE TANK FOUNDATION PLAN	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7610-00002	RAW WATER SUPPLY STORAGE TANK FOUNDATION PLAN	

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	CBO Approved
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7710-00001	WASTEWATER COLLECTION TANK FOUNDATION PLAN	
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-000-DB-9010-00001~~	~~MISC. CONCRETE FOUNDATIONS~~	
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-9010-000##	CPDU FOUNDATIONS (HELIOSTAT FIELD)	
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Drawing~~	~~25542-009-DB-9010-00##~~	~~WEATHER STATION FOUNDATION~~	
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9010-00001	MIRROR WASH TANK FOUNDATION PLAN - COMMON AREA HAB GRADE SLAB	N
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9010-00002	COMMON AREA PBMB GRADE SLAB PLAN	N
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9010-00003	COMMON AREA HAB THICKENING LAYOUT PLAN	N
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9010-00004	COMMON AREA PBMB THICKENING LAYOUT PLAN	N
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9090-00001	COMMON AREA HAB GRADE SLAB SECTIONS	N
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9090-00002	COMMON AREA PBMB GRADE SLAB SECTIONS	N
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9090-00003	COMMON AREA HAB GRADE SLAB SECTIONS AND DETAILS	N
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9090-00004	COMMON AREA HAB GRADE SLAB SECTIONS AND DETAILS	N
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9090-00005	COMMON AREA PBMB GRADE SLAB SECTIONS AND DETAILS	N
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9090-00006	COMMON AREA HAB GRADE SLAB SECTIONS AND DETAILS	N
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-0000-000##	Heliostat Building Foundation Drawing and Calculations	
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-0410-00001	Steam Turbine Platform STRUCTURAL STEEL PLAN	
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-0490-00001	Steam Turbine Platform STRUCTURAL STEEL ELEVATIONS & SECTIONS	
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1110-00001	Solar TOWER STRUCTURAL STEEL BASE PLATE PLAN	
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1120-00001	Solar TOWER STRUCTURAL STEEL PLATFORM PLAN	
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1130-00001	Solar TOWER STRUCTURAL STEEL PLATFORM PLANS	
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1140-00001	Solar TOWER STRUCTURAL STEEL SUPPORT LEVEL PLAN	
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1150-00001	Solar TOWER STRUCTURAL STEEL STAIR TOWER PLANS	
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1190-00001	Solar TOWER STRUCTURAL STEEL ELEVATIONS	
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1190-00002	Solar TOWER STRUCTURAL STEEL STAIR TOWER ELEVATIONS	
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1190-00003	Solar TOWER STRUCTURAL STEEL BASE PLATE DETAILS	
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-2110-00001	STEAM TURBINE STRUCTURAL STEEL PIPING RACK PLAN	
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-2110-00001	STEAM TURBINE STRUCTURAL STEEL PIPING PLATFORMS PLAN	
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-2110-00001	STEAM TURBINE STRUCTURAL STEEL PIPING RACK ELEVATIONS & SECTIONS	
STRUC-1		Approval	Civil	Drawing	25542-009-SW-3690-00001	33KV TRANSMISSION LINE WOOD POLE AND GUY WIRE	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Calculation	25542-001-CGC-CG00-00001	UNIT 1 STORMWATER AND SITE DRAINAGE DESIGN	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Calculation	25542-002-CGC-0000-00001	UNIT 2 STORMWATER AND SITE DRAINAGE DESIGN	
S&W-1 / CIVIL-1	NA	Approval	Civil	Calculation	25542-003-CGC-0000-00001	UNIT 3 STORMWATER AND SITE DRAINAGE DESIGN	
S&W-1 / CIVIL-1	NA	Approval	Civil	Calculation	25542-009-CGC-CG00-00001	COMMON AREA STORMWATER AND SITE DRAINAGE DESIGN	Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-0090-00001	REINFORCED CONCRETE REBAR EMBEDMENT/LAP BAR LENGTHS	
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-0100-00001	POWER BLOCK SUMP	
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-0410-00001	Steam Turbine Platform PIPE RACK FOUNDATIONS	
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-1110-00001	DESIGN OF SOIL SUPPORTED FOUNDATION FOR SOLAR TOWER FOR IN-SERVICE LOADS	N
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-1120-00001	Solar TOWER ELEVATED SLAB	
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-1910-00001	AUXILIARY BOILER FOUNDATION	
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-2110-00001	STEAM TURBINE ENCLOSURE BUILDING SLAB	
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-2310-00001	DESIGN OF FOUNDATION FOR AIR COOLED CONDENSER	N
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-2410-00001	STEAM TURBINE FOUNDATION	N
STRUC-1		Approval	Civil	Calculation	25542-001-DBC-2410-00001	UNIT 1 STEAM TURBINE GENERATOR FOUNDATION, ANALYSIS AND DESIGN	N
STRUC-1		Approval	Civil	Calculation	25542-001-DBC-2410-00002	ANCHORAGE CAPACITY CHECK	N
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-2420-00001	STEAM TURBINE PEDESTAL	
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-2490-00001	STEAM TURBINE PEDESTAL EMBEDDED PLATES	
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-3110-00001	Plant Services Bldg Foundation	
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-3210-00001	ELECTRICAL MODULE 1 SLAB	
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-3210-00002	ELECTRICAL MODULE 2 SLAB	
STRUC-1		Approval	Civil	Calculation	25542-009-DBC-3210-00001	DESIGN OF FOUNDATION FOR PAD MOUNTED 33KV SWITCHGEAR	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	CBO Approved
STRUC-1		Approval	Civil	Calculation	25542-009-DBC-3210-00002	DESIGN OF FOUNDATION FOR PAD MOUNTED 500KVA TRANSFORMER FOR PLANT LAYDOWN AREA	Y
STRUC-1		Approval	Civil	Calculation	25542-009-DBC-3210-00003	DESIGN OF FOUNDATION FOR PAD MOUNTED 1000KVA TRANSFORMER FOR COMMON AREA	Y
STRUC-1		Approval	Civil	Calculation	25542-009-DBC-3210-00005	DESIGN OF FOUNDATION FOR PAD MOUNTED 1500KVA TRANSFORMER FOR HELIOSTAT ASSEMBLY BUILDING	Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-3310-00001	MCC TRANSFORMER FOUNDATION	
TSE-5	T	Approval	Civil	Calculation	25542-000-DBC-3410-00001	UNIT AUXILIARY & GENERATOR STEP-UP TRANSFORMER FOUNDATION	
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-3710-00001	EMERGENCY DIESEL GENERATOR FOUNDATION	
TSE-5	T	Approval	Civil	Calculation	25542-000-DBC-3810-00001	GENERATOR CIRCUIT BREAKER & EXCITATION TRANSFORMER FOUNDATION	
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-6110-00001	LUBE OIL/DIESEL UNLOADING AREA SLAB	
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7110-00001	WATER TREATMENT AREA SLAB	
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7110-00002	WATER TREATMENT AREA EQUIPMENT PAD	
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7210-00001	AIR COOLED CONDENSER FOUNDATIONS	
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-7211-00001	DRY DELUGED AUXILIARY COOLER FOUNDATION SECTIONS & DETAILS	
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7610-00001	DEMINERALIZED WATER STORAGE TANK FOUNDATION	
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7610-00002	RAW WATER SUPPLY STORAGE TANK FOUNDATION	
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7710-00001	WASTEWATER COLLECTION TANK FOUNDATION	
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Calculation~~	~~25542-000-DBC-9010-00001~~	~~MISC. CONCRETE FOUNDATIONS~~	
STRUC-1	G	Approval	Civil	Calculation	25542-009-DBC-9010-000##	MIRROR WASH TANK FOUNDATION	
STRUC-1	NA	Approval	Civil	Calculation	25542-009-DBC-9010-000##	CPDU FOUNDATIONS (HELIOSTAT FIELD)	
STRUC-1		Approval	Civil	Calculation	25542-009-DBC-9010-00001	DESIGN OF FOUNDATION FOR HELIOSTAT ASSEMBLY BUILDING AND PAD BONDING MACHINE BUILDING	Y
STRUC-1		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	Y
~~STRUC-1~~		~~Approval~~	~~Civil~~	~~Calculation~~	~~25542-009-DBC-9010-00##~~	~~WEATHER STATION FOUNDATION~~	
STRUC-1	NA	Approval	Civil	Calculation	25542-009-DBC-0000-000##	Heliostat Bldg Foundation	
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-0410-00001	Steam Turbine platform PIPE RACK STRUCTURAL STEEL PLAN	
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1100-00001	SOLAR TOWER STRUCTURAL ANALYSIS	N
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1100-00002	ACROSS WIND ANALYSIS OF SOLAR TOWER	N
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1110-00001	Solar TOWER STRUCTURAL STEEL BASE PLATE DESIGN	
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00001	Solar TOWER STRUCTURAL STEEL PLATFORM DESIGN	
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1140-00001	Solar TOWER STRUCTURAL STEEL SUPPORT LEVEL DESIGN	
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1150-00001	Solar TOWER STRUCTURAL STEEL STAIR TOWER	N
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-2110-00001	STEAM TURBINE STRUCTURAL STEEL PIPE RACK	
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-2120-00001	STEAM TURBINE STRUCTURAL STEEL PIPING PLATFORMS	
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-3510-00001	33KV WOOD POLE DESIGN	Y
CIVIL-1 GEO-1	NA	Approval	Civil	Document	25542-000-G27-GZC-00067	Geotechnical Report - Unit 1 & Common Facility	Y
CIVIL-1 GEO-1	NA	Approval	Civil	Document	25542-000-K0R-0000-00001	Geotechnical Report - Units 2	
CIVIL-1 GEO-1	NA	Approval	Civil	Document	25542-000-K0R-0000-00001	Geotechnical Report - Units 3	
GEO-1		Approval	Civil	Document	25542-009-K0R-CY00-00001	SUBSURFACE INVESTIGATION AND FOUNDATION REPORT	N
S&W-1 / CIVIL-1	NA	Approval	Civil	Specification	25542-000-3PS-CE01-00001	SITE PREPARATION AND EARTHWORK CONSTRUCTION	Y
CIVIL-1	NA	Approval	Civil	Specification	25542-000-3PS-CS01-00001	BITUMINOUS PAVING OF ROADS	Y
~~CIVIL-1~~		~~Approval~~	~~Civil~~	~~Specification~~	~~25542-000-3PS-CY04-00001~~	~~SITE SURVEYING SERVICES~~	
~~CIVIL-1~~		~~Reference~~	~~Civil~~	~~Specification~~	~~25542-000-3PS-CY05-00001~~	~~SUBSURFACE INVESTIGATION AND LABORATORY TESTING~~	
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-DB01-00001	FURNISHING AND DELIVERING READY-MIX CONCRETE	Y
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-DB02-00001	CONCRETE WORK	Y
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-DD00-00001	PURCHASE OF EMBEDDED STEEL AND ANCHOR BOLTS	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	CBO Approved
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-DG01-00001	REINFORCING BAR	Y
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-SS01-00001	PURCHASE OF STRUCTURAL AND MISCELLANEOUS STEEL	Y
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-SS02-00001	ERECTION OF STRUCTURAL AND MISCELLANEOUS STEEL	
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-SY01-00001	MATERIAL TESTING SERVICES FOR CONCRETE, EARTHWORK, AND PAVING	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	
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1A-AKBS-000##	ARCHITECRUTALBUILDING ELEVATIONS AND SECTIONS , ADMIN/MAINTENANCE/WAREHOUSE BUILDING	
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1A-AKBS-000##	ARCHITECRUTALBUILDING DETAILS , ADMIN/MAINTENANCE/WAREHOUSE BUILDING	
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1A-AKBS-000##	ARCHITECRUTALSCHEDULES , ADMIN/MAINTENANCE/WAREHOUSE BUILDING	
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1A-AKBS-000##	STRUCTURAL DRAWINGS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	
STRUC-1	G	Approval	Architectural	Document	25542-000-V1A-AKBS-000##	STATEMENT OF SPCEIAL INSPECTIONS (CBC CH. 17), ADMIN/MAINTENANCE/WAREHOUSE BUILDING	
STRUC-1	G	Approval	Architectural	Calculation	25542-000-V1A-AKBS-000##	STRUCTURAL CALCULATIONS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1A-AKBS-000##	FOUNDATION DRAWINGS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	
STRUC-1	G	Approval	Architectural	Calculation	25542-000-V1A-AKBS-000##	FOUNDATION CALCULATIONS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	
MECH-3	G	Approval	Architectural	Drawing	25542-000-V1A-AKBS-000##	HVAC SYSTEM PLANS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	
MECH-3	G	Approval	Architectural	Calculation	25542-000-V1A-AKBS-000##	HVAC SYSTEM CALCULATIONS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	
MECH-1	G	Approval	Architectural	Drawing	25543-000-V1A-AKBS-000##	PLUMBING PLANS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	
MECH-1	G	Approval	Architectural	Drawing	25544-000-V1A-AKBS-000##	FIRE PROTECTION PLANS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	
MECH-1	G	Approval	Architectural	Calculation	25545-000-V1A-AKBS-000##	FIRE PROTECTION CALCULATIONS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	
ELEC-1	G	Approval	Architectural	Drawing	25546-000-V1A-AKBS-000##	ELECTRICAL SINGLE LINE DRAWING, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	
ELEC-1	G	Approval	Architectural	Drawing	25547-000-V1A-AKBS-000##	ELECTRICAL PANEL SCHEDULES, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	
ELEC-1	G	Approval	Architectural	Calculation	25548-000-V1A-AKBS-000##	LIGHTING AND ELECTRICAL DESIGN CALCULATIONS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	
STRUC-1 / MECH-1	G	Approval	Architectural	Document	25548-000-V1A-AKBS-000##	CERTIFICATE(S) OF COMPLIANCE, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	
GEN-5	G	Approval	Architectural	Document	25542-000-V1A-AKBS-000##	BUILDING	
STRUC-1	NA	Approval	Architectural	Drawing	25542-000-V1B-AKBS-000##	ARCHITECTURAL FLOOR PLANS, HELIOSTAT BUILDING (including code analysis and access/egress information)	
STRUC-1	NA	Approval	Architectural	Drawing	25542-000-V1B-AKBS-000##	ARCHITECTURAL BUILDING ELEVATIONS AND SECTIONS , HELIOSTAT BUILDING	
STRUC-1	NA	Approval	Architectural	Drawing	25542-000-V1B-AKBS-000##	ARCHITECTURAL BUILDING DETAILS , HELIOSTAT BUILDING	
STRUC-1	NA	Approval	Architectural	Drawing	25542-000-V1B-AKBS-000##	ARCHITECTURAL SCHEDULES , HELIOSTAT BUILDING	
STRUC-1	NA	Approval	Architectural	Drawing	25543-001-V1B-AKBS-000##	STRUCTURAL DRAWINGS, HELIOSTAT BUILDING (including design criteria and structural observations)	
STRUC-1	NA	Approval	Architectural	Document	25543-001-V1B-AKBS-000##	STATEMENT OF SPECIAL INSPECTIONS (CBC CH. 17), HELIOSTAT BUILDING	
STRUC-1	NA	Approval	Architectural	Calculation	25544-002-V1B-AKBS-000##	STRUCTURAL CALCULATIONS, HELIOSTAT BUILDING (including design criteria and structural observations)	
MECH-3	NA	Approval	Architectural	Drawing	25545-003-V1B-AKBS-000##	HVAC SYSTEM PLANS, HELIOSTAT BUILDING	
MECH-3	NA	Approval	Architectural	Calculation	25546-004-V1B-AKBS-000##	HVAC SYSTEM CALCULATIONS, HELIOSTAT BUILDING	
MECH-1	NA	Approval	Architectural	Drawing	25547-005-V1B-AKBS-000##	FIRE PROTECTION PLANS, HELIOSTAT BUILDING (including product data submittals)	
MECH-1	NA	Approval	Architectural	Calculation	25548-006-V1B-AKBS-000##	FIRE PROTECTION CALCULATIONS, HELIOSTAT BUILDING	
ELEC-1	NA	Approval	Architectural	Drawing	25550-008-V1B-AKBS-000##	ELECTRICAL PANEL SCHEDULES, HELIOSTAT BUILDING	
ELEC-1	NA	Approval	Architectural	Calculation	25551-009-V1B-AKBS-000##	LIGHTING AND ELECTRICAL DESIGN CALCULATIONS, HELIOSTAT BUILDING	
STRUC-1 / MECH-1/ ELEC-1	NA	Approval	Architectural	Document	25552-010-V1B-AKBS-000##	CERTIFICATE(S) OF COMPLIANCE, HELIOSTAT BUILDING	

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	CBO Approved
GEN-5	NA	Approval	Architectural	Resume	25553-011-V1B-AKBS-000##	RESPONSIBLE ENGINEER(S) RESUME(S), HELIOSTAT BUILDING	
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1C-AKBS-000##	ARCHITECTURAL FLOOR PLANS, PLANT SERVICES BUILDING	
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1C-AKBS-000##	ARCHITECTIRAL BUILDING ELEVATIONS AND SECTIONS , PLANT SERVICES BUILDING	
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1C-AKBS-000##	ARCHITECTURAL BUILDING DETAILS , PLANT SERVICES BUILDING	
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1C-AKBS-000##	ARCHITECTURAL SCHEDULES , PLANT SERVICES BUILDING	
STRUC-1	G	Approval	Architectural	Drawing	25543-001-V1C-AKBS-000##	STRUCTURAL DRAWINGS, PLANT SERVICES BUILDING	
STRUC-1	G	Approval	Architectural	Document	25543-001-V1C-AKBS-000##	STATEMENT OF SPECIAL INSPECTIONS (CBC CH. 17), PLANT SERVICES BUILDING	
STRUC-1	G	Approval	Architectural	Calculation	25544-002-V1C-AKBS-000##	STRUCTURAL CALCULATIONS, PLANT SERVICES BUILDING	
MECH-3	G	Approval	Architectural	Drawing	25545-003-V1C-AKBS-000##	HVAC SYSTEM PLANS, PLANT SERVICES BUILDING	
MECH-3	G	Approval	Architectural	Calculation	25546-004-V1C-AKBS-000##	HVAC SYSTEM CALCULATIONS, PLANT SERVICES BUILDING	
MECH-1	G	Approval	Architectural	Drawing	25547-005-V1C-AKBS-000##	FIRE PROTECTION PLANS, PLANT SERVICES BUILDING	
MECH-1	G	Approval	Architectural	Calculation	25548-006-V1C-AKBS-000##	FIRE PROTECTION CALCULATIONS, PLANT SERVICES BUILDING	
ELEC-1	G	Approval	Architectural	Drawing	25549-007-V1C-AKBS-000##	ELECTRICAL SINGLE LINE DRAWING, PLANT SERVICES BUILDING	
ELEC-1	G	Approval	Architectural	Drawing	25550-008-V1C-AKBS-000##	ELECTRICAL PANEL SCHEDULES, PLANT SERVICES BUILDING	
ELEC-1	G	Approval	Architectural	Calculation	25551-009-V1C-AKBS-000##	LIGHTING AND ELECTRICAL DESIGN CALCULATIONS, PLANT SERVICES BUILDING	
STRUC-1 / MECH-1	G	Approval	Architectural	Document	25552-010-V1C-AKBS-000##	CERTIFICATE(S) OF COMPLIANCE, PLANT SERVICES BUILDING	
GEN-5	G	Approval	Architectural	Resume	25553-011-V1C-AKBS-000##	RESPONSIBLE ENGINEER(S) RESUME(S), PLANT SERVICES BUILDING	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-E1-0000-00001	EY: Unit-1: Main Single Line Diagram	Y
ELEC-1	G	Approval	Electrical	Drawing	25542-002-E1-0000-00001	EY: Unit-2/3: Main Single Line Diagram	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)	
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)	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-ES-00001	ES: Unit 4.16kV Switchgear Single line M & R Diagram - SINGLE LINE METERING AND RELAY DIAGRAM 4.16KV SWITCHGEAR-MCC BUS 1-ES-ES-3111B	Y
ELEC-1		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	Y
ELEC-1	G	Approval	Electrical	Drawing	25542-009-E1-0000-00001	33kV System Single Line Diagram	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-E1-0000-00002	ES: Unit-1: Construction Power Single Line Diagram	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-E1-0000-00002	ES: Unit-2/3: Construction Power Single Line Diagram	
ELEC-1	G	Approval	Electrical	Drawing	25542-009-E1-0000-00002	EC: Common Area, CCR and Admin Building Single Line M & R Diagram	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-E1-0000-00003	EC: Heliostat Building Single Line M & R Diagram	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)	Y
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-ED-00002	ED: SRSG 480 and 120 VAC UPS Single line M&R Diagram-	N
ELEC-1	G	Approval	Electrical	Drawing	25542-009-E1-ED-00001	ED: CCR 120 VAC UPS Single line M&R Diagram-	N
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00002	EC: Unit: 480V ESSENTIAL MCC # 1 (PSB) - Single Line M & R Diagram	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00003	EC: Unit: 480V ESSENTIAL MCC # 2 (STG) - Single Line M & R Diagram	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00004	EC: Unit: 480V STG MCC # 1 - Single Line M & R Diagram	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00005	EC: Unit: 480V STG MCC # 2 - Single Line M & R Diagram	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00006	EC: Unit: 480V Tower MCC - Single Line M & R Diagram	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00007	EC: Unit: 480V Common MCC - Single Line M & R Diagram	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00008	EC: Unit: 480V BOP MCC #1 (Water Treatment) - Single Line M & R Diagram	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00009	EC: Unit: 480V BOP MCC #2 (Water Treatment) - Single Line M & R Diagram	

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	CBO Approved
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-000010	EC: Unit: 480V 480V ACC MCC# 1 - Single Line M & R Diagram	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-000011	EC: Unit: 480V 480V ACC MCC# 2 - Single Line M & R Diagram	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-000012	EC: Unit: 480V 480V ACC MCC# 3 - Single Line M & R Diagram	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-000013	EC: Unit: 480V 480V ACC MCC# 4 - Single Line M & R Diagram	
ELEC-1		Approval	Electrical	Drawing	25542-009-E8-EC-00001	480 VAC CONSTRUCTION POWER PANEL BOARD SCHEDULES	N
ELEC-1		Approval	Electrical	Drawing	25542-009-E8-EL-00001	120-240 VAC AND 120-208 VAC LIGHTING PANEL SCHEDULES	N
ELEC-1		Approval	Electrical	Drawing	25542-009-E9-0010-09001	CONSTRUCTION FACILITIES ELECTRICAL EQUIPMENT INSTALLATION COMMON AREA	Y
ELEC-1		Approval	Electrical	Drawing	25542-009-E9-0010-09003	TEMPORARY POWER CONSTRUCTION FACILITIES LAYOUT	Y
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ERJ-0000-00001	Unit: UG Raceway Notes Symbols and Details	N
ELEC-1		Approval	Electrical	Drawing	25542-000-ERJ-0000-00002	NOTES, SYMBOLS AND DETAILS FOR INSTALLATION OF UNDERGROUND RACEWAY	Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-7101-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN WATER TREATMENT AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-7102-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN WATER TREATMENT AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-7191-00001	UNIT 1: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS WATER TREATMENT AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-7201-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN ACC AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-7202-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN ACC AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-7291-00001	UNIT 1: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS ACC AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3301-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN SWITCHYARD AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3391-00001	UNIT 1: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS SWITCHYARD AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2101-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN STEAM TURBINE AREA	Y
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-2101-00002	UNDERGROUND RACEWAY PLAN TURBINE AREA PANEL AT EL. 2879 FEET 0 INCHES	Y
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-2410-00001	RACEWAY LAYOUT UNIT 1 STEAM TURBINE GENERATOR EMBEDDED CONDUIT PLAN	Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2191-00001	UNIT 1: UNDERGROUND PLAN SECTIONS AND DETAILS STEAM TURBINE AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2102-00001	UNIT 1: EMBEDDED CONDUIT PLAN STEAM TURBINE PEDESTAL	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2192-00001	UNIT 1: EMBEDDED CONDUIT SECTIONS AND DETAILS STEAM TURBINE PEDESTAL	
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-1001-00001	POWER BLOCK MANHOLE LAYOUT	N
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1001-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN SRSG TOWER AREA	N
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1002-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN SRSG TOWER AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1091-00001	UNIT 1: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS SRSG TOWER AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1901-00001	UNDERGROUND RACEWAY PLAN FOR NIGHT TIME PRESERVATION BOILER AREA	Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1991-00001	UNIT 1: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS AUX BOILER AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3001-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING CABLE PIT	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3091-00001	UNIT 1: UNDERGROUND PLAN RACWAY SECTIONS AND DETAILS CABLE PIT	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3101-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3102-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3191-00001	UNIT 1: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS PLANT SERVICES BUILDING AREA	
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-3600-00001	UNIT 1 FIBER OPTIC ROUTING PLAN FOR 115KV TRANSMISSION LINE	N
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-3600-00002	UNIT 1 FIBER OPTIC ROUTING PLAN FOR 115KV TRANSMISSION LINE	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	CBO Approved
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-3690-00001	FIBER OPTIC CONDUIT SECTIONS	N
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1902-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN NIGHTTIME PRESERVATION AREA BOILER	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1992-00001	UNIT 1: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS NIGHTIME PRESERVATION BOILER AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-7101-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN WATER TREATMENT AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-7102-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN WATER TREATMENT AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-7191-00001	UNIT 2: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS WATER TREATMENT AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-7201-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN ACC AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-7202-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN ACC AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-7291-00001	UNIT 2: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS ACC AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3301-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN SWITCHYARD AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3391-00001	UNIT 2: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS SWITCHYARD AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2101-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN STEAM TURBINE AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2191-00001	UNIT 2: UNDERGROUND PLAN SECTIONS AND DETAILS STEAM TURBINE AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2102-00001	UNIT 2: EMBEDDED CONDUIT PLAN STEAM TURBINE PEDESTAL	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2192-00001	UNIT 2: EMBEDDED CONDUIT SECTIONS AND DETAILS STEAM TURBINE PEDESTAL	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1001-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN SRSG TOWER AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1002-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN SRSG TOWER AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1091-00001	UNIT 2: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS SRSG TOWER AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1901-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN AUX BOILER AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1991-00001	UNIT 2: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS AUX BOILER AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3001-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING CABLE PIT	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3091-00001	UNIT 2: UNDERGROUND PLAN RACWAY SECTIONS AND DETAILS CABLE PIT	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3101-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3102-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3191-00001	UNIT 2: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS PLANT SERVICES BUILDING AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1902-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN NIGHTTIME PRESERVATION AREA BOILER	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1992-00001	UNIT 2: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS NIGHTIME PRESERVATION BOILER AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-7101-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN WATER TREATMENT AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-7102-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN WATER TREATMENT AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-7191-00001	UNIT 3: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS WATER TREATMENT AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-7201-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN ACC AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-7202-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN ACC AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-7291-00001	UNIT 3: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS ACC AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-3301-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN SWITCHYARD AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-3391-00001	UNIT 3: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS SWITCHYARD AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-2101-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN STEAM TURBINE AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-2191-00001	UNIT 3: UNDERGROUND PLAN SECTIONS AND DETAILS STEAM TURBINE AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-2102-00001	UNIT 3: EMBEDDED CONDUIT PLAN STEAM TURBINE PEDESTAL	

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	CBO Approved
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-2192-00001	UNIT 3: EMBEDDED CONDUIT SECTIONS AND DETAILS STEAM TURBINE PEDESTAL	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-1001-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN SRSG TOWER AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-1002-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN SRSG TOWER AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-1091-00001	UNIT 3: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS SRSG TOWER AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-1901-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN AUX BOILER AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-1991-00001	UNIT 3: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS AUX BOILER AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-3001-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING CABLE PIT	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-3091-00001	UNIT 3: UNDERGROUND PLAN RACWAY SECTIONS AND DETAILS CABLE PIT	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-3101-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-3102-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-3191-00001	UNIT 3: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS PLANT SERVICES BUILDING AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-1902-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN NIGHTTIME PRESERVATION AREA BOILER	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-1992-00001	UNIT 3: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS NIGHTIME PRESERVATION BOILER AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-7610-000##	COMMON: UNDERGROUND RACEWAY PLAN COMMON AREA WATER STORAGE FACILITIES	
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-7690-000##	COMMON: UNDERGROUND RACEWAY SECTIONS AND DETAILS COMMON AREA FACILITIES	
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-0010-000##	COMMON: UNDERGROUND RACEWAY PLAN COMMON AREA FACILITIES	N
ELEC-1		Approval	Electrical	Drawing	25542-009-ER-0010-00002	UNDERGROUND RACEWAY PLAN COMMON AREA ADMINISTRATION BUILDING AREA	Y
ELEC-1		Approval	Electrical	Drawing	25542-009-ER-0010-00003	UNDERGROUND RACEWAY PLAN COMMON AREA WELL AND WATER STORAGE AREA	Y
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-0010-00004	33KV CABLE ROUTING PLAN HELIOSTAT ASSEMBLY BUILDING AREA	Y
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-0010-00005	UNDERGROUND RACEWAY PLAN HELIOSTAT ASSEMBLY BUILDING AREA	Y
ELEC-1		Approval	Electrical	Drawing	25542-009-ER-0010-00010	UNDERGROUND RACEWAY PLAN COMMON AREA SECTIONS AND DETAILS	Y
ELEC-1		Approval	Electrical	Drawing	25542-009-ER-0010-00011	COMMON AREA MANHOLE LAYOUT	N
ELEC-1		Approval	Electrical	Drawing	25542-009-ER-3210-00001	UNDERGROUND RACEWAY PLAN COMMON AREA 33KV SWITCHGEAR	Y
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-3210-00002	EMBEDDED CONDUIT PLAN AND SECTION CONSTRUCTION POWER 500KVA TRANSFORMER COMMON AREA	Y
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-3210-00003	EMBEDDED CONDUIT PLAN AND SECTION CONSTRUCTION POWER 1000KVA TRANSFORMER COMMON AREA	Y
ELEC-1		Approval	Electrical	Drawing	25542-009-ER-3210-00004	UNDERGROUND RACEWAY PLAN AND SECTION HAB AREA 1500KVA TRANSFORMER 9-TP-5C	
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-8101-000##	COMMON: UNDERGROUND RACEWAY PLAN ADMIN BLDG & CENTRAL CONTROL ROOM	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-ER-9101-000##	COMMON: EMBEDDED RACEWAY PLAN HELIOSTAT BUILDING FOUNDATION	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-ER-9190-000##	COMMON: EMBEDDED RACEWAY SECTIONS AND DETAILS HELIOSTAT BUILDING AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-ER-9101-000##	COMMON: UNDERGROUND RACEWAY PLAN HELIOSTAT BUILDING	
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-7601-000##	COMMON: UNDERGROUND RACEWAY PLAN WATER WELL AREAS	
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-7601-000##	COMMON: UNDERGROUND RACEWAY PLAN FIRE WATER TANK AND PUMP AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-9101-000##	Unit-1: HELIOSTAT FIELD UNDERGROUND RACEWAY PLAN	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-9101-000##	Unit-2: HELIOSTAT FIELD UNDERGROUND RACEWAY PLAN	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-ER-9101-000##	Unit-3: HELIOSTAT FIELD UNDERGROUND RACEWAY PLAN	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-9190-000##	Unit-1: HELIOSTAT FIELD UNDERGROUND CABLE SECTIONS AND DETAILS	

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	CBO Approved
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-9190-000##	Unit-2: HELIOSTAT FIELD UNDERGROUND CABLE SECTIONS AND DETAILS	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-ER-9190-000##	Unit-3: HELIOSTAT FIELD UNDERGROUND CABLE SECTIONS AND DETAILS	
ELEC-1		Approval	Electrical	Drawing	25542-001-E4-0010-00001	EQUIPMENT LOCATION PLAN CONSTRUCTION POWER BLOCK AREA	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E4-3110-00001	Unit: Power Block Electrical bldg - Equip Layout	
ELEC-1		Approval	Electrical	Drawing	25542-009-E4-3601-00001	EQUIPMENT LOCATION PLAN CONSTRUCTION POWER COMMON AREA	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-000##	Unit: EQUIPMENT LOCATION PLAN SRSG ELECTRICAL EQUIPMENT MODULE	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-000##	Unit: EQUIPMENT LOCATION PLAN STEAM TURBINE ELECTRICAL EQUIPMENT MODULE	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-000##	Unit: EQUIPMENT LOCATION PLAN WATER TREATMENT ELECTRICAL EQUIPMENT MODULE	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-000##	Unit: EQUIPMENT LOCATION PLAN ACC ELECTRICAL EQUIPMENT MODULE	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E4-8110-000##	EQUIPMENT LOCATION PLAN ADMIN BLDG & CENTRAL CONTROL ROOM	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ERJ-0000-00002	Unit: AG Raceway Notes Symbols and Details	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1010-000##	UNIT: RACEWAY PLAN SRSG TOWER PLAN EL. 100'-0"	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1010-000##	UNIT 2/3: RACEWAY PLAN SRSG TOWER PLAN EL. 100'-0"	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1020-000##	UNIT: RACEWAY PLAN SRSG TOWER PLAN EL. 120'-0"	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1020-000##	UNIT 2/3: RACEWAY PLAN SRSG TOWER PLAN EL. 120'-0"	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1030-000##	UNIT: RACEWAY PLAN SRSG TOWER PLAN EL. 140'-0"	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1030-000##	UNIT 2/3: RACEWAY PLAN SRSG TOWER PLAN EL. 140'-0"	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1040-000##	UNIT: RACEWAY PLAN SRSG TOWER PLAN EL. 180'-0"	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1050-000##	UNIT: RACEWAY PLAN SRSG TOWER PLAN EL. 376'-0" AND EL. 415'-0"	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1110-000##	UNIT: ABOVEGROUND RACEWAY PLAN SRSG STRUCTURE PLAN ELEVATION - 1	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1120-000##	UNIT: ABOVEGROUND RACEWAY PLAN SRSG STRUCTURE PLAN ELEVATION - 2	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1130-000##	UNIT: ABOVEGROUND RACEWAY PLAN SRSG STRUCTURE PLAN ELEVATION - 3	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1140-000##	UNIT: ABOVEGROUND RACEWAY PLAN SRSG STRUCTURE PLAN ELEVATION - 4	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1150-000##	UNIT: ABOVEGROUND RACEWAY PLAN SRSG STRUCTURE PLAN ELEVATION - 5	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1190-000##	UNIT: ABOVEGROUND RACEWAY SECTIONS AND DETAILS SRSG STRUCTURE	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1910-000##	UNIT: ABOVEGROUND RACEWAY PLAN AUXILIARY BOILER AREA AT GRADE	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1990-000##	UNIT: ABOVEGROUND RACEWAY SECTIONS AND DETAILS AUXILIARY BOILER AREA	
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"	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2120-000##	UNIT 1: RACEWAY PLAN TURBINE AREA PLAN EL 126'-0"	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2130-000##	UNIT 1: RACEWAY PLAN TURBINE AREA PLAN 138'-3"	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2190-000##	UNIT 1: RACEWAY SECTIONS AND DETAILS	
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"	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2120-000##	UNIT 2/3: RACEWAY PLAN TURBINE AREA PLAN EL 126'-0"	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2130-000##	UNIT 2/3: RACEWAY PLAN TURBINE AREA PLAN 138'-3"	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2190-000##	UNIT 2/3: RACEWAY SECTIONS AND DETAILS	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-3001-000##	UNIT: ABOVEGROUND RACEWAY PLAN ELECTRICAL BLDG CABLE PIT	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-3110-000##	UNIT: ABOVEGROUND RACEWAY PLAN PSB BLDG	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-3310-000##	UNIT: ABOVEGROUND RACEWAY PLAN TRANSFORMER YARD AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-7110-000##	UNIT: ABOVEGROUND RACEWAY PLAN WATER TREATMENT AT GRADE	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-7190-000##	UNIT: ABOVEGROUND RACEWAY SECTIONS AND DETAILS WATER TREATMENT AREA	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-7210-000##	UNIT: ABOVEGROUND RACEWAY PLAN ACC AREA AT GRADE	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-7220-000##	UNIT: ABOVEGROUND RACEWAY PLAN ACC UPPER ELEVATIONS	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-7290-000##	UNIT: ABOVEGROUND RACEWAY SECTIONS AND DETAILS ACC AREA	

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	CBO Approved
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-ER-9111-000##	COMMON: ABOVEGROUND RACEWAY PLAN HELIOSTAT BUILDING	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-ER-9191-000##	COMMON: ABOVEGROUND RACEWAY SECTIONS AND DETAILS HELIOSTAT BUILDING	
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-8110-000##	Common: ABOVEGROUND RACEWAY RACEWAY PLAN ADMIN BLDG & CENTRAL CONTROL ROOM	
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-8190-000##	Common: ABOVEGROUND RACEWAY RACEWAY SECTION AND DETAILS ADMIN BLDG & CENTRAL CONTROL ROOM	
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-7610-000##	Common: ABOVEGROUND RACEWAY RACEWAY PLAN COMMON AREA WATER STORAGE FACILITIES	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-ER-9010-000##	HELIOSTAT FIELD ABOVEGROUND RACEWAY SECTIONS AND DETAILS (CDPU, WEATHER STATION CAMERA)	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EQJ-0000-00001	Cathodic Protection - Notes Symbols and Details	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-0010-00001	Unit-1: CATHODIC PROTECTION PLAN POWERBLOCK AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EQ-0010-00001	Unit-2: CATHODIC PROTECTION PLAN POWERBLOCK AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EQ-0010-00001	Unit-3: CATHODIC PROTECTION PLAN POWERBLOCK AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EQ-0000-00001	CATHODIC PROTECTION DETAILS	Y
ELEC-1		Approval	Electrical	Drawing	25542-009-EQ-0000-00001	CATHODIC PROTECTION ONE LINE DIAGRAM FUEL GAS PIPE - FG SYSTEM	Y
ELEC-1		Approval	Electrical	Drawing	25542-009-EQ-0000-00002	CATHODIC PROTECTION INSTALLATION DETAILS FUEL GAS PIPE - FG SYSTEM	Y
ELEC-1		Approval	Electrical	Drawing	25542-009-EQ-0000-00003	CATHODIC AC MITIGATION GRADIENT CONTROL WIRE FUEL GAS PIPE - FG SYSTEM	Y
ELEC-1		Approval	Electrical	Drawing	25542-009-N3C-EQA1-00001	CATHODIC PROTECTION NATURAL GAS PIPING	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EQ-0010-00001	Common: CATHODIC PROTECTION NATURAL GAS PIPELINE	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-9101-00001	Unit-1: CATHODIC PROTECTION PLAN UG PIPING HELIOSTAT FIELD AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EQ-9101-00001	Unit-2: CATHODIC PROTECTION PLAN UG PIPING HELIOSTAT FIELD AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EQ-9101-00001	Unit-3: CATHODIC PROTECTION PLAN UG PIPING HELIOSTAT FIELD AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EGJ-0000-00001	Grounding - Notes Symbols and Details	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-0010-00001	Unit-1: Power Block Grounding Plan	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-0010-00001	Unit-2: Power Block Grounding Plan	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-0010-00001	Unit-3: Power Block Grounding Plan	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-7101-00001	UNIT 1: GROUNDING PLAN WATER TREATMENT AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-7102-00001	UNIT 1: GROUNDING PLAN WATER TREATMENT AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-7201-00001	UNIT 1: GROUNDING PLAN ACC AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-7202-00001	UNIT 1: GROUNDING PLAN ACC AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-3301-00001	UNIT 1: GROUNDING PLAN SWITCHYARD AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-2101-00001	UNIT 1: GROUNDING PLAN STEAM TURBINE AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-1001-00001	UNIT 1: GROUNDING PLAN SRSG TOWER AREA	N
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-1002-00001	UNIT 1: GROUNDING PLAN SRSG TOWER AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-1901-00001	UNIT 1: GROUNDING PLAN AUX BOILER AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-3101-00001	UNIT 1: GROUNDING PLAN PLANT SERVICES BUILDING AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-3102-00001	UNIT 1: GROUNDING PLAN PLANT SERVICES BUILDING AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-1902-00001	UNIT 1: GROUNDING PLAN NIGHTTIME PRESERVATION AREA BOILER	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-7101-00001	UNIT 2: GROUNDING PLAN WATER TREATMENT AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-7102-00001	UNIT 2: GROUNDING PLAN WATER TREATMENT AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-7201-00001	UNIT 2: GROUNDING PLAN ACC AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-7202-00001	UNIT 2: GROUNDING PLAN ACC AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-3301-00001	UNIT 2: GROUNDING PLAN SWITCHYARD AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-2101-00001	UNIT 2: GROUNDING PLAN STEAM TURBINE AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-1001-00001	UNIT 2: GROUNDING PLAN SRSG TOWER AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-1002-00001	UNIT 2: GROUNDING PLAN SRSG TOWER AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-1901-00001	UNIT 2: GROUNDING PLAN AUX BOILER AREA	

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	CBO Approved
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-3101-00001	UNIT 2: GROUNDING PLAN PLANT SERVICES BUILDING AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-3102-00001	UNIT 2: GROUNDING PLAN PLANT SERVICES BUILDING AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-1902-00001	UNIT 2: GROUNDING PLAN NIGHTTIME PRESERVATION AREA BOILER	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-7101-00001	UNIT 3: GROUNDING PLAN WATER TREATMENT AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-7102-00001	UNIT 3: GROUNDING PLAN WATER TREATMENT AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-7201-00001	UNIT 3: GROUNDING PLAN ACC AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-7202-00001	UNIT 3: GROUNDING PLAN ACC AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-3301-00001	UNIT 3: GROUNDING PLAN SWITCHYARD AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-2101-00001	UNIT 3: GROUNDING PLAN STEAM TURBINE AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-1001-00001	UNIT 3: GROUNDING PLAN SRSG TOWER AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-1002-00001	UNIT 3: GROUNDING PLAN SRSG TOWER AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-1901-00001	UNIT 3: GROUNDING PLAN AUX BOILER AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-3101-00001	UNIT 3: GROUNDING PLAN PLANT SERVICES BUILDING AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-3102-00001	UNIT 3: GROUNDING PLAN PLANT SERVICES BUILDING AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-1902-00001	UNIT 3: GROUNDING PLAN NIGHTTIME PRESERVATION AREA BOILER	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-3101-00001	UNIT 1: Electrical Service Building Area Grounding Plan	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-3101-00001	UNIT 2: Electrical Service Building Area Grounding Plan	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-3101-00001	UNIT 3: Electrical Service Building Area Grounding Plan	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EG-3101-00001	UNIT: Electrical Service Building Area Grounding Plan	
ELEC-1		Approval	Electrical	Drawing	2542-009-EG-0010-00001	GROUND GRID COMMON AREA ADMIN BLDG AND WATER STORAGE AREA	Y
ELEC-1		Approval	Electrical	Drawing	2542-009-EG-0010-00002	GROUND GRID HELIOSTAT ASSEMBLY BUILDING AND CONSTRUCTION AREA	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EG-8101-000##	Common: Admin Building Area and CCR Grounding Plan	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EG-9101-000##	Common: Heliostat Building Area Grounding Plan	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EG-7601-000##	Common: Common Area Grounding Plan	
ELEC-1		Approval	Electrical	Drawing	25542-000-EG-0000-00002	COMMON AREA SECURITY FENCE GROUNDING DETAILS	Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EG-0000-00003	TRAILER GROUNDING DETAIL	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EG-0010-000##	Unit: Lightning Protection Key Plan	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EG-1160-000##	Unit: Lightning Protection Plan: Boiler Structure	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EG-3110-000##	Unit: Lightning Protection Plan: PS Admin Building	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EG-2111-000##	Unit: Lightning Protection STG Enclosure	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-ELJ-0000-00001	Unit: Lighting - Notes, Symbols and Details	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-0010-000##	UNIT: ROADWAY LIGHTING PLAN	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-0010-000##	UNIT: CONSTRUCTION LIGHTING PLAN	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1010-000##	UNIT: LIGHTING PLAN SRSG TOWER PLAN EL. 100'-0"	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1020-000##	UNIT: LIGHTING PLAN SRSG TOWER PLAN EL. 120'-0"	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1030-000##	UNIT: LIGHTING PLAN SRSG TOWER PLAN EL. 140'-0"	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1040-000##	UNIT: LIGHTING PLAN SRSG TOWER PLAN EL. 180'-0"	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1050-000##	UNIT: LIGHTING PLAN SRSG TOWER PLAN EL. 376'-0" AND EL. 415'-0"	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1110-000##	UNIT: LIGHTING PLAN SRSG STRUCTURE ELEVATION - 1	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1120-000##	UNIT: LIGHTING PLAN SRSG STRUCTURE ELEVATION - 2	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1130-000##	UNIT: LIGHTING PLAN SRSG STRUCTURE ELEVATION - 3	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1140-000##	UNIT: LIGHTING PLAN SRSG STRUCTURE ELEVATION - 4	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1150-000##	UNIT: LIGHTING PLAN SRSG STRUCTURE ELEVATION - 5	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1160-000##	UNIT: LIGHTING PLAN SRSG AVIATION WARNING	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1090-000##	UNIT: LIGHTING PLAN TOWER STRUCTURE STAIRWAY	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1910-000##	Unit: LIGHTING PLAN AUXILIARY BOILER AREA AT GRADE	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1990-000##	Unit: LIGHTING PLAN AUXILIARY BOILER AREA ELEVATION & SECTIONS	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-2110-000##	UNIT: LIGHTING TURBINE AREA PLAN EL 100'-0" AND EL. 111'-8"	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-2120-000##	UNIT: LIGHTING TURBINE AREA PLAN EL 126'-0"	

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	CBO Approved
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-2130-000##	UNIT: LIGHTING TURBINE AREA PLAN 138'-3"	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-2190-000##	Unit: MISCELLANEOUS LIGHTING STEAM TURBINE AREA	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-3001-000##	Unit: LIGHTING PLAN ELECTRICAL BLDG CABLE PIT	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-3110-000##	Unit: LIGHTING PLAN ADMIN & ELECTRICAL BLDG	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-3310-000##	Unit: LIGHTING PLAN TRANSFORMER YARD AREA	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-7110-000##	Unit: LIGHTING PLAN WATER TREATMENT AT GRADE	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-7210-000##	Unit: LIGHTING PLAN ACC AREA AT GRADE	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-7220-000##	Unit: LIGHTING PLAN ACC UPPER ELEVATIONS	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-7290-000##	Unit: LIGHTING PLAN ACC STAIRWAY	
ELEC-1		Approval	Electrical	Drawing	25542-001-EL-0010-00001	POWER BLOCK AREA CONSTRUCTION ROADWAY LIGHTING PLAN	Y
ELEC-2		Approval	Electrical	Drawing	25542-009-EL-0010-00001	CONSTRUCTION ROADWAY LIGHTING KEY PLAN	Y
ELEC-1		Approval	Electrical	Drawing	25542-009-EL-0010-00002	CONSTRUCTION FACILITIES TEMPORARY LIGHTING PLAN COMMON AREA	Y
ELEC-1		Approval	Electrical	Drawing	25542-009-EL-0010-00003	ADMIN BUILDING AREA CONSTRUCTION ROADWAY LIGHTING PLAN	Y
VIS-4	NA	Approval	Electrical	Drawing	25542-009-EL-0010-000##	Common: LIGHTING SECTIONS AND DETAILS COMMON AREA FACILITIES (Guard Hs, Gate)	Y
VIS-4	NA	Approval	Electrical	Drawing	25542-009-EL-0010-000##	Common: COMMON AREA ROADWAY LIGHTING PLAN	Y
VIS-4	NA	Approval	Electrical	Drawing	25542-009-EL-0010-000##	Common: COMMON AREA CONSTRUCTION LIGHTING PLAN	Y
VIS-4	NA	Approval	Electrical	Drawing	25542-009-V1A-AKBS-000##	Common: LIGHTING RACEWAY PLAN ADMIN BLDG & CENTRAL CONTROL ROOM	
VIS-4	NA	Approval	Electrical	Drawing	25542-009-EL-9111-000##	Common: LIGHTING PLAN HELIOSTAT BUILDING	
VIS-4	NA	Approval	Electrical	Drawing	25542-009-EL-9111-000##	Common: LIGHTING RACEWAY PLAN HELIOSTAT BUILDING (PARKING LOT, TRANSFORMER)	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-00004	Unit: LIGHTING PLAN SRSG ELECTRICAL EQUIPMENT MODULE	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-00002	Unit: LIGHTING PLAN STEAM TURBINE ELECTRICAL EQUIPMENT MODULE	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-00001	Unit: LIGHTING PLAN WATER TREATMENT ELECTRICAL EQUIPMENT MODULE	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-00003	Unit: LIGHTING PLAN ACC ELECTRICAL EQUIPMENT MODULE	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1010-000##	UNIT 1: HEAT TRACE PLAN SRSG TOWER PLAN EL. 100'-0"	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-1010-000##	UNIT 2/3: UNIT: HEAT TRACE PLAN SRSG TOWER PLAN EL. 100'-0"	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1020-000##	UNIT: UNIT: HEAT TRACE PLAN SRSG TOWER PLAN EL. 120'-0"	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-1020-000##	UNIT 2/3: UNIT: HEAT TRACE PLAN SRSG TOWER PLAN EL. 120'-0"	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1030-000##	UNIT: UNIT: HEAT TRACE PLAN SRSG TOWER PLAN EL. 140'-0"	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-1030-000##	UNIT 2/3: UNIT: HEAT TRACE PLAN SRSG TOWER PLAN EL. 140'-0"	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1040-000##	UNIT: UNIT: HEAT TRACE PLAN SRSG TOWER PLAN EL. 180'-0"	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1050-000##	UNIT: UNIT: HEAT TRACE PLAN SRSG TOWER PLAN EL. 376'-0" AND EL. 415'-0"	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1090-000##	UNIT: MISCELLANEOUS HEAT TRACING BOILER STRUCTURE AREA	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1110-000##	UNIT: HEAT TRACING PLAN SRSG STRUCTURE ELEVATION - 1	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1120-000##	UNIT: HEAT TRACING PLAN SRSG STRUCTURE ELEVATION - 2	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1130-000##	UNIT: HEAT TRACING PLAN SRSG STRUCTURE ELEVATION - 3	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1140-000##	UNIT: HEAT TRACING PLAN SRSG STRUCTURE ELEVATION - 4	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1150-000##	UNIT: HEAT TRACING PLAN SRSG STRUCTURE ELEVATION - 5	
ELEC-1		Approval	Electrical	Drawing	25542-000-EH-1910-000##	UNIT: HEAT TRACING PLAN AUXILIARY BOILER AREA AT GRADE	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1990-000##	UNIT: HEAT TRACING PLAN AUXILIARY BOILER AREA ELEVATION & SECTIONS	
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"	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EH-2120-000##	UNIT 1: HEAT TRACING PLAN TURBINE AREA PLAN EL 126'-0"	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EH-2130-000##	UNIT 1: HEAT TRACING PLAN TURBINE AREA PLAN 138'-3"	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EH-2190-000##	UNIT 1: HEAT TRACING SECTIONS AND DETAILS	
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"	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-2120-000##	UNIT 2/3: HEAT TRACING PLAN TURBINE AREA PLAN EL 126'-0"	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-2130-000##	UNIT 2/3: HEAT TRACING PLAN TURBINE AREA PLAN 138'-3"	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-2190-000##	UNIT 2/3: HEAT TRACING SECTIONS AND DETAILS	

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	CBO Approved
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-7110-000##	UNIT: HEAT TRACING PLAN WATER TREATMENT AT GRADE	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-7190-000##	UNIT: HEAT TRACING PLAN WATER TREATMENT ELEVATIONS & SECTIONS	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-7210-000##	UNIT: HEAT TRACING PLAN ACC AREA AT GRADE	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-7220-000##	UNIT: HEAT TRACING PLAN ACC UPPER ELEVATIONS	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-7290-000##	UNIT: HEAT TRACING PLAN ACC ELEVATIONS & SECTIONS	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EH-7610-000##	Common: HEAT TRACE PLAN COMMON AREA WATER STORAGE FACILITIES	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-EH00-00001	Unit: Water Treatment Area Tracer Schedule	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-EH00-00001	Unit 2/3: STG Area Tracer Schedule	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-EH00-00002	Unit: STG Area Tracer Schedule	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-EH00-00003	Unit 2/3: Tower Area Tracer Schedule	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-EH00-00003	Unit: Tower Area Tracer Schedule	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-EH00-00004	Unit: SRSG Area Tracer Schedule	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-EH00-00005	Unit: ACC Area Tracer Schedule	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-EH00-00006	Unit: Aux Boiler Area Tracer Schedule	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EH-EH01-00001	Common Area Tracer Schedule	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E3-1910-00001	Area Classification Plan Auxiliary Boiler and Fuel Gas Heater Areas	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E3-1990-00001	Area Classification Sections and Details Auxiliary Boiler and Fuel Gas Heater Areas	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - Water Treatment Area	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - STG Area	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EC-EL00-000##	Unit: 2/3 208-120V AC Lighting Panel Schedule - STG Area	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EC-EL00-000##	Common: 208-120V AC Lighting Panel Schedule - Heliostat Building Area	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - PSB Building Area	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - Tower Area	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - SRSG Area	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - ACC Area	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - Aux Boiler Area	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - Road Lighting	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EH00-000##	Unit: Water Treatment Area Heat Trace Panel Schedule	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EC-EH00-000##	Unit 1: STG Area Heat Trace Panel Schedule	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EC-EH00-000##	Unit 2/3: STG Area Heat Trace Panel Schedule	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EC-EH00-000##	Unit: Tower Area Heat Trace Panel Schedule	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EC-EH00-000##	Unit 2/3: Tower Area Heat Trace Panel Schedule	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EH00-000##	Unit: SRSG Area Heat Trace Panel Schedule	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EH00-000##	Unit: ACC Area Heat Trace Panel Schedule	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EH00-000##	Unit: Aux Boiler Area Heat Trace Panel Schedule	
ELEC-1		Approval	Electrical	Drawing	25542-009-EZ-3690-00001	33KV TRANSMISSION LINE 33KV AUTO RECLOSER POLE NO 3	Y
ELEC-1		Approval	Electrical	Drawing	25542-009-EZ-3690-00002	33KV TRANSMISSION LINE 33KV AUTO RECLOSER POLES NO 1,2,4 & 5	Y
ELEC-1		Approval	Electrical	Drawing	25542-009-EZ-3690-00003	33KV HARDWARE DETAILS	Y
ELEC-1		Approval	Electrical	Drawing	25542-009-EZ-3690-00004	33KV HARDWARE DETAILS	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EC-EH00-000##	Common: Water Storage Area Heat Trace Panel Schedule	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-E3C-ES-000##	Unit: Load Flow / Short Circuit and Motor Starting and voltage drop Calculation,	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,	N
ELEC-1	NA	Approval	Electrical	Calculation	25542-001-EGC-EG-00001	Unit 1 Grounding Calculation	
ELEC-1	NA	Approval	Electrical	Calculation	25542-002-EGC-EG-00001	Unit 2 Grounding Calculation	
ELEC-1	NA	Approval	Electrical	Calculation	25542-003-EGC-EG-00001	Unit 3 Grounding Calculation	
ELEC-1	NA	Approval	Electrical	Calculation	25542-009-EGC-EG-00001	Common Area Grounding Calculation - ADMINISTRATION BUILDING AND WATER STORAGE AREA GROUND GRID CALCULATION	Y
ELEC-1		Approval	Electrical	Calculation	25542-009-EGC-EG-00002	HELIOSTAT ASSEMBLY BUILDING AREA GROUND GRID CALCULATION	Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-EGC-EG-00002	Unit and Common: Lightning Protection Calculation	

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	CBO Approved
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-E0C-EQ-00001	Unit 1: Cathodic Protection Calculation	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-E0C-EQ-00001	Unit 2: Cathodic Protection Calculation	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-E0C-EQ-00001	Unit 3: Cathodic Protection Calculation	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-E0C-EQ-00001	Natural Gas Pipeline Cathodic Protection Calculation	Y
ELEC-1	G	Approval	Electrical	Calculation	25542-000-E0C-EW-00002	Unit: Ductbank Ampacity & Underground cable sizing calculation	
ELEC-1	G	Approval	Electrical	Calculation	25542-009-E0C-EW-00001	Common: Ductbank Ampacity & Underground cable sizing calculation	
ELEC-1	G	Approval	Electrical	Calculation	25542-000-E0C-EW-00001	A/G Cable Sizing Calculation	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	
ELEC-1		Approval	Electrical	Drawing	25542-000-ELJ-0000-00001	NOTES, SYMBOLS AND DETAILS FOR INSTALLATION OF LIGHTING SYSTEM	Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation Construction Lighting Common Area	Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation Construction Lighting Power Block	Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation ACC Area	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation XFMR Area	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation Water Treatment Area	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation STG Area	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation PSB Building Area	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation Tower Area	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation SRSG Area	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation Aux Boiler Area	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit: Lighting Calculation Unit Roadway Lighting	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Lighting Calculation Common Area Roadway Lighting Plan	Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Lighting Calculation Heliostat Building Area	Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000##	Unit and Common: Lighting Energy Calculations (for CBO)	
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	
ELEC-1	NA	Approval	Electrical	Calculation	25542-009-EMC-EM00-000##	Common: Common Area LV Switchgear incomer protective relay setting and arc flash calculation	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-EMC-EM00-000##	Unit: GSU, UAT, SST protective relay setting calculation	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-EMC-EM00-00002	33kV Switchgear and automatic recloser protective relay setting calculation	N
ELEC-1		Approval	Electrical	Specification	25542-000-3PS-EKL3-00001	ELECTRICAL EQUIPMENT MODULES	N
ELEC-1		Approval	Electrical	Specification	25542-000-3PS-ESM1-00002	33KV PAD MOUNTED SWITCHGEAR	Y
ELEC-1		Approval	Electrical	Specification	25542-000-3PS-SY10-00001	DESIGN, FABRICATION AND SUPPLY OF TUNED MASS DAMPER	N
ELEC-1	NA	Approval	Electrical	Document	25542-000-V1A-EKL1-000##	CERTIFICATE OF COMPLIANCE - 480V UNIT SUBSTATIONS (BLACK BOX)	
ELEC-1	NA	Approval	Electrical	Document	25542-000-V1A-ESL1-000##	CERTIFICATE OF COMPLIANCE - 4.16KV SWITCHGEAR (BLACK BOX)	
ELEC-1	G	Approval	Electrical	Document	25542-000-V1A-ETP0-000##	CERTIFICATE OF COMPLIANCE - GENERATOR STEPUP TRANSFORMERS (BLACK BOX)	
ELEC-1	G	Approval	Electrical	Document	25542-000-V1A-ETP1-000##	CERTIFICATE OF COMPLIANCE - UNIT AUXILIARY (BLACK BOX)	
ELEC-1	NA	Approval	Electrical	Document	25542-000-V1A-ECM1-000##	CERTIFICATE OF COMPLIANCE - 480V MCC'S (BLACK BOX)	
ELEC-1	NA	Approval	Electrical	Document	25542-000-V1A-EDB0-000##	CERTIFICATE OF COMPLIANCE - 120/125V DC/UPS EQUIPMENT (BLACK BOX)	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-000##	CPDU SINGLE LINE DIAGRAM	
ELEC-1	NA	Approval	Electrical	Caclulation	25542-000-V1A-MXHS-000##	HELIOSTAT FIELD CABLE VOLTAGE DROP CALCULATION	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-000##	HELIOSTAT CABLE ASSEMBLY (including code analysis)	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-000##	HELIOSTAT CABLE INSTALLATION DETAILS	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-000##	HELIOSTAT CPDU GROUNDING	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-000##	CAMERA PANEL SINGLE LINE	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-00##	WEATHER STATION SINGLE LINE	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-MXHS-000##	HELIOSTAT STRUCTURAL / PHYSICAL ASSEMBLY DESIGN DRAWINGS	
STRUC-1	NA	Approval	Civil	Caclulation	25542-000-V1A-MXHS-000##	HELIOSTAT STRUCTURAL / PHYSICAL ASSEMBLY DESIGN CALCULATIONS	

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	CBO Approved
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-MXHS-000##	PYLON STRUCURAL DRAWINGS AND INSTALLATION SPECIFICATIONS	
STRUC-1	NA	Approval	Civil	Caclulation	25542-000-V1A-MXHS-000##	PYLON STRUCTURAL/GEOTECHNICAL CALCULATIONS	
ELEC-1	NA	Approval	Electrical	Drawing		HELIOSTAT FIELD TRANFORMER PAD GROUNDING	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-AK00S-000##	HELIOSTAT ASSEMBLY BUILDING SUPPORT FACILITIES (office & restroom trailers, etc.)	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-AK00S-000##	HELIOSTAT ASSEMBLY BUILDING STRUCTURAL HOIST/CRANE SUPPORTS	
MECH-2	NA	Approval	Mechanical	Document	25542-000-V1A-AK00S-000##	HELIOSTAT ASSEMBLY BUILDING AIR COMPRESSOR CERTIFICATIONS	

Exhibit 11

CBO Payment Documentation
Conditions of Certification
GEN-3

Condition of Certification GEN-3 Summary

Bureau Veritas has four invoices currently being processed by BrightSource Construction Management.

Invoice Number: 1106609
Invoice Date: 01/24/2011
Invoice Amount: $210,100.66
Invoice Dates of Service: 12/1/2010 to 12/31/2010
Received by BrightSource Accounts Payable on 01/31/2011
Status: Invoice is currently being reviewed by BrightSource Construction Management.

Invoice Number: 1106388
Invoice Date: 01/18/2011
Invoice Amount: $49,671.91
Invoice Dates of Service: 12/1/2010 to 12/31/2010
Received by BrightSource Accounts Payable on 01/31/2011
Status: Invoice is currently being reviewed by BrightSource Construction Management.

Invoice Number: 1104128
Invoice Date: 12/23/2010
Invoice Amount: $185,186.98
Invoice Dates of Service: 11/1/2010 to 11/30/2010
Received by BrightSource Accounts Payable on 1/6/2011
Status: Invoice has been paid by BrightSource Construction Management.

Invoice Number: 1104165
Invoice Date: 12/23/2010
Invoice Amount: $45,097.77
Invoice Dates of Service: 11/1/2010 to 11/30/2010
Received by BrightSource Accounts Payable on 1/4/2011
Status: Invoice is currently being reviewed by BrightSource Construction Management.

Exhibit 12

Key Events List
Conditions of Certification
COMP-6

KEY EVENTS LIST

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)	02/07/2011
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

BUREAU OF LAND MANAGEMENT
Needles Field Office
1303 South U.S. Highway 95
Needles, CA 92363
www.ca.blm.gov/needles

January 19, 2011

In Reply Refer To:
2800(P)
CACA-49502-01
(CAD090.26)

CERTIFIED MAIL NO. 7010 2780 0000 2246 0034
RETURN RECEIPT REQUESTED

DECISION

Todd Stewart
BrightSource Energy, Inc.
(Solar Partners I, II, and VIII, LLC)
1999 Harrison Street, Suite 2150
Oakland, CA 94512

Aboveground Water Pipeline Dust Suppression Earthwork Compaction Grant CACA-49502-01 Offered, Processing and Monitoring, and Rental Project Rental Determined.

Enclosed find two copies of an unsigned Right-of-Way (ROW) grant (BLM Form 2800-14) for the installation of the temporary above the ground six (6) inch HDPE water pipeline and four (4) above ground elevated water tanks for dust control and earthwork compaction on public land managed by the Bureau of Land Management (BLM) serial number CACA-49502-01 on the Ivanpah project.

Please review these documents and if they meet your approval, sign and date both copies and return all original copies of the grant and attachments to the attention of Jose M. Najar, Realty Specialist, at the address shown above.

In accordance with 43 CFR 2806.12, rent for use of public lands must be paid in advance of such use and prior to issuance of the ROW grant. Rent for a linear right-of-way is based on a schedule that is adjusted annually according to the Implicit Price Deflator (IPD), an inflation index. You may obtain a copy of the rent schedule from this office or by accessing www.ca.blm.gov/needles.

Rental for your grant has been determined to be $95.96 per calendar year. However, this amount has been pro-rated for four months: January 2011 to March 23, 2011. The total rental amount due for your project is **$23.99** for 2011. See Rental Fee Determination Record for these costs, Form (1) 2806-2885. Annual rental is non-refundable.

The rent is for the period for the temporary above the ground six (6) inch HDPE water pipeline and four (4) above ground elevated water tanks for dust control and earthwork compaction. Provided you remit payment, your rent is $ 23.99.

Please return **BOTH** signed copies of the grant, along with the rent payment, as discussed above. If these requirements are not met, your application may be denied.

Please be aware that you may not conduct any activities related to your permit on public land until you have received an authorized permit from this office. If you have any questions, contact Jose M. Najar, Realty Specialist, at (760) 326-7006.

In accordance with 43 CFR 2805.17, a holder shall pay in advance for the processing and monitoring costs to be incurred by the United States. The fees incurred are non-refundable and will be deducted from cost reimbursement account under the Amended Cost Recovery Agreement dated February 25, 2009.

Appeals

The determination record is considered a decision and may be appealed to the Interior Board of Land Appeals, Office of the Secretary of the Interior, in accordance with the regulations contained in 43 CFR, Part 4 and the enclosed form 1842-1. If an appeal is taken, your notice of appeal must be filed in this office (at the above address) within 30 days from receipt of this decision. A copy of the notice must also be filed with the Office of the Regional Solicitor, U.S. Department of the Interior, 2800 Cottage Way, Suite E-1712, Sacramento, CA 95825. The appellant has the burden of showing that the decision appealed from is in error.

If you wish to file a petition pursuant to regulation 43 CFR 4.21 (58 FR 4939, January 19, 1993) or 43 CFR 2801.10 for a stay of the effectiveness of this decision during the time that your appeal is being reviewed by the Board, the petition for a stay must accompany your notice of appeal. A petition for a stay is required to show sufficient justification based on the standards listed below. Copies of the notice of appeal and petition for a stay must also be submitted to each party named in this decision and to the Interior Board of Land Appeals and to the appropriate Office of the Solicitor (see 43 CFR 4.413) at the same time the original documents are filed with this office. If you request a stay, you have the burden of proof to demonstrate that a stay should be granted.

Standards for Obtaining a Stay

Except as otherwise provided by law or other pertinent regulation, a petition for a stay of a decision pending appeal shall show sufficient justification based on the following standards:

(1) The relative harm to the parties if the stay is granted or denied;

(2) The likelihood of the appellant's success on the merits;

(3) The likelihood of immediate and irreparable harm if the stay is not granted;

and

(4) Whether the public interest favors granting the stay.

Please remit a check in the total amount of **$23.99** for the required rental fees within 30 days of receipt of this letter. The check should be made payable to *DOI-Bureau of Land Management*, and include serial number CACA-49502-01 on the check for accountability. Upon receipt of the signed documents and the fees discusses above, the BLM authorizing officer will issue the ROW grant, absent any other unresolved issues, and a signed copy will be sent to you for your records.

Please be advised that you may not conduct any activities related to your right-of-way on public lands until you have received an authorized grant from this office. A Notice to Proceed will be issued along with the grant as such determined by the Authorized Officer. However, if not all of the above listed requirements are not met in a timely manner; BLM may deny your application. Should you have any questions or concerns, please contact Jose M. Najar, Realty Specialist, at (760)326-7006 or via email at jnajar@blm.gov.

Please return **BOTH** signed copies of the grant, along with the rent payment, as discussed above within 30 days of receipt. If these requirements are not met, your application may be denied.

Raymond C. Lee
Field Manager

Enclosures:
1. Two Unsigned Right-of-Way Grants, CACA-49502-01
2. Decision Record
3. Forms (1) 2806-2885 and (1) 1842-1
4. Exhibit A-D

FORM 2800-14
(August1985)

Issuing Office:
California Desert District
Needles Field Office

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RIGHT-OF-WAY GRANT
SERIAL NUMBER CACA-049502-01

1. Subject to valid existing rights, a Right-of-Way is hereby granted pursuant to Title V of the Federal Land Policy and Management Act of October 21, 1976 (90 Stat. 2776; 43 U.S.C. 1761).

2. Nature of Interest:

   a. By this instrument,
   Bright Source Energy, Inc.
   (Solar Partners I, II, and VIII, LLC)
   1999 Harrison Street, Suite 2150
   Oakland, CA 94512

   hereinafter the Holder, receives a right to construct, operate, maintain, and terminate installation of the temporary above the ground 6 inch HDPE water pipe line and four above ground elevated water tanks for dust control and earthwork compaction on the Ivanpah Solar Electric Generating System ISEGS project on public lands managed by the Bureau of Land Management (BLM), see Exhibits A through D, which is attached hereto and made a part hereof.

   b. The right-of-way granted herein is for temporary above the ground 6 inch HDPE water pipe line and four above ground elevated water tanks on public land. Five to ten (5-10) people, construction or installation personnel, will access the site using two (2) to three (3) 4WD trucks for transportation, using the existing access route. A Bob Cat with various attachments (back hoe, etc.) will be used to do the digging and backfill work. A small dump truck would be used to haul sand and gravel or part of the backfill. No off-road vehicle travel will take place.

   c. This instrument shall terminate on **March 23, 2011**, unless prior thereto, it is relinquished, abandoned, terminated, or modified pursuant to the terms and conditions of this instrument or of any applicable Federal law or regulation.

   d. Notwithstanding the expiration of this instrument or any renewal thereof, early relinquishment, abandonment, or termination, the provisions of this instrument, to the extent applicable, shall continue in effect and shall be binding on the Holder, its successors, or assigns, until they have fully satisfied the obligations and/or liabilities accruing herein before or on account of the expiration, or prior termination, of the grant.

3. Rental:

   For and in consideration of the rights granted, the Holder agrees to pay the Bureau of Land Management fair market value rental as determined by the Authorized Officer unless specifically exempted from such payment by regulation. Provided, however, that the rental

may be adjusted by the Authorized Officer, whenever necessary, to reflect changes in the fair market rental value as determined by the application of sound business management principles, and so far as practicable and feasible, in accordance with comparable commercial practices.

4. Terms and Conditions:

a. This grant is issued subject to the Holder's compliance with all applicable regulations contained in Title 43 Code of Federal Regulations Part 2800.

b. Upon grant termination by the Authorized Officer, all improvements shall be removed from the public lands within 90 days, or as otherwise directed by the Authorized Officer.

c. Each grant issued for a term of less than one (1) year shall, at a minimum, be reviewed by the Authorized Officer at the end of the project, not to exceed one (1) after the completion of the project. Provided, however, that a right-of-way granted herein may be reviewed at any time deemed necessary by the Authorized Officer.

d. The stipulations, plans, maps, or designs set forth in **Exhibits A through D and Decision Record,** attached hereto, are incorporated into and made a part of this grant instrument as fully and effectively as if they were set forth herein in their entirety.

e. Failure of the holder to comply with applicable law or any provision of this right-of-way grant shall constitute grounds for suspension or termination thereof.

f. The holder shall perform all operations in a good and workmanlike manner so as to ensure protection of the environment and the health and safety of the public.

IN WITNESS WHEREOF, The undersigned agrees to the terms and conditions of this right-of-way grant.

PLEASE SIGN & RETURN

BrightSource Energy, Inc. **(Solar Partners I, II, and VIII, LLC)**	**BUREAU OF LAND MANAGEMENT**
(Signature of Holder)	(Signature of Authorized Officer)
(Title)	Needles Field Manager (Title)
(Date)	(Effective Date of Grant)

FORM 2800-14
(August1985)

Issuing Office:
California Desert District
Needles Field Office

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RIGHT-OF-WAY GRANT
SERIAL NUMBER CACA-049502-01

1. Subject to valid existing rights, a Right-of-Way is hereby granted pursuant to Title V of the Federal Land Policy and Management Act of October 21, 1976 (90 Stat. 2776; 43 U.S.C. 1761).

2. Nature of Interest:

   a. By this instrument,
   Bright Source Energy, Inc.
   (Solar Partners I, II, and VIII, LLC)
   1999 Harrison Street, Suite 2150
   Oakland, CA 94512

   hereinafter the Holder, receives a right to construct, operate, maintain, and terminate installation of the temporary above the ground 6 inch HDPE water pipe line and four above ground elevated water tanks for dust control and earthwork compaction on the Ivanpah Solar Electric Generating System ISEGS project on public lands managed by the Bureau of Land Management (BLM), see Exhibits A through D, which is attached hereto and made a part hereof.

   b. The right-of-way granted herein is for temporary above the ground 6 inch HDPE water pipe line and four above ground elevated water tanks on public land. Five to ten (5-10) people, construction or installation personnel, will access the site using two (2) to three (3) 4WD trucks for transportation, using the existing access route. A Bob Cat with various attachments (back hoe, etc.) will be used to do the digging and backfill work. A small dump truck would be used to haul sand and gravel or part of the backfill. No off-road vehicle travel will take place.

   c. This instrument shall terminate on **March 23, 2011**, unless prior thereto, it is relinquished, abandoned, terminated, or modified pursuant to the terms and conditions of this instrument or of any applicable Federal law or regulation.

   d. Notwithstanding the expiration of this instrument or any renewal thereof, early relinquishment, abandonment, or termination, the provisions of this instrument, to the extent applicable, shall continue in effect and shall be binding on the Holder, its successors, or assigns, until they have fully satisfied the obligations and/or liabilities accruing herein before or on account of the expiration, or prior termination, of the grant.

3. Rental:

   For and in consideration of the rights granted, the Holder agrees to pay the Bureau of Land Management fair market value rental as determined by the Authorized Officer unless specifically exempted from such payment by regulation. Provided, however, that the rental

may be adjusted by the Authorized Officer, whenever necessary, to reflect changes in the fair market rental value as determined by the application of sound business management principles, and so far as practicable and feasible, in accordance with comparable commercial practices.

4. Terms and Conditions:

a. This grant is issued subject to the Holder's compliance with all applicable regulations contained in Title 43 Code of Federal Regulations Part 2800.

b. Upon grant termination by the Authorized Officer, all improvements shall be removed from the public lands within 90 days, or as otherwise directed by the Authorized Officer.

c. Each grant issued for a term of less than one (1) year shall, at a minimum, be reviewed by the Authorized Officer at the end of the project, not to exceed one (1) after the completion of the project. Provided, however, that a right-of-way granted herein may be reviewed at any time deemed necessary by the Authorized Officer.

d. The stipulations, plans, maps, or designs set forth in **Exhibits A through D and Decision Record,** attached hereto, are incorporated into and made a part of this grant instrument as fully and effectively as if they were set forth herein in their entirety.

e. Failure of the holder to comply with applicable law or any provision of this right-of-way grant shall constitute grounds for suspension or termination thereof.

f. The holder shall perform all operations in a good and workmanlike manner so as to ensure protection of the environment and the health and safety of the public.

IN WITNESS WHEREOF, The undersigned agrees to the terms and conditions of this right-of-way grant.

PLEASE SIGN & RETURN

BrightSource Energy, Inc.
(Solar Partners I, II, and VIII, LLC)

BUREAU OF LAND MANAGEMENT

_____	_____
(Signature of Holder)	(Signature of Authorized Officer)
_____	Needles Field Manager
(Title)	(Title)
_____	_____
(Date)	(Effective Date of Grant)

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
NEEDLES FIELD OFFICE

DECISION RECORD

Bright Source Energy, Inc (Solar Partners I, II, and VIII, LLC)
Aboveground Water Pipeline and Tanks
DOI-BLM-CA-D090-2011-0007-CE

In accordance with 43 United States Code 1701*et seq.*, it is my decision to approve Bright Source Energy, Inc (Solar Partners I, II, and VIII, LLC)'s Aboveground Water Pipeline and Tanks project as reviewed in DOI-BLM-CA-D090-2011-0007-CE (case file number CACA-049502-01) and described below. I find that this action falls within one of the categories of actions which the Bureau of Land Management has determined do not have a significant effect on the quality of the human environment and for which, therefore, neither an Environmental Assessment nor an Environmental Impact Statement is required (40 Code of Federal Regulations 1508.4). A categorical exclusion review has been conducted in accordance with 516 Departmental Manual Chapters 1 through 6 and no exceptions to the categorical exclusions apply. I further find that this action is in conformance with the California Desert Conservation Area Plan of 1980, as amended and that it will not cause unnecessary or undue degradation. The attached Conditions of Approval are incorporated by reference as the decision of the Bureau of Land Management regarding this action. A copy of this Decision Record and attendant conditions of approval shall be in the possession of the on-site operator during all undertakings approved herein.

Specifically, the approved action consists of Bright Source Energy, Inc. (Solar Partners I, II, and VIII, LLC) (BSE) to install a temporary aboveground six (6) inch HDPE water pipeline from private property to an existing water well located on the Primm Valley Golf Club on Colosseum Road and install four (4) aboveground elevated water tanks for dust control and earthwork compaction.

This line will only be pressurized and utilized during working hours. During non-working hours, the isolation valves at the well pump and storage tanks will be closed. Line pressure during operation or non-use will be 100 psi. The pressure rating of the HDPE "SDR11" pipe is 150 psi. The pipe system will have up to three (3) check valves located within the overall run of the pipe route with an additional check valve at the originating pump. Tanks will be positioned on 6-inch pads of stone to ensure that any leaks from valves or other mechanical means will not cause pooling of water or water filtration into the ground.

There will be no additional ground disturbance beyond that authorized for the overall Ivanpah Solar Electric Generation System (ISEGS) project. Crossing the BLM road 699238 (already disturbed) will be underground with all remaining routing aboveground on BLM road 699241 and Colosseum Road within the ROW Grant CACA-49502. The proposed route is already in use and is authorized to BSE and three (3) other right-of-way (ROW) holders and is identified as three separate roads, Silverton, Coliseum Mine and Yates Well, see Exhibits A through D.

Five to ten (5-10) people, construction or installation personnel, will access the site using two (2) to three (3) 4WD trucks for transportation, using the existing access route. A Bob Cat with various attachments (back hoe, etc.) will be used to do the digging and backfill work. A small dump truck will be used to haul sand and gravel or part of the backfill.

Access to the site will be from Colosseum Mine Road following the designated routes. From the intersection of BLM road 699241 and 699238 road, the 6 inch pipeline will cross BLM road 699238 underground and follow the road side of BLM road 699241 within the current ROW CACA 49502 aboveground to the intersection of BLM road 699241 and Colosseum Road, continuing aboveground and terminating adjacent and on the north side of Colosseum Road at the existing water well and tank location of the Primm Valley Golf Club

Installation of the aboveground pipeline will commence immediately upon approval by BLM and the pipeline will remain in place for approximately three (3) months. After the installation of the Ivanpah project permanent onsite water wells in the common area of the project are completed, the temporary water pipeline and tanks will be removed and discontinued within the effected BLM land.

The proposed action will be supported by the Bright Source Energy, Inc. (Solar Partners I, II, and VIII, LLC) Specific Health and Safety Plan, which will be made available for familiarity and use by participants.

Appeals

This decision constitutes the final decision by the Bureau of Land Management in this matter. This decision may be appealed to the Interior Board of Land Appeals, Office of the Secretary, in accordance with the regulations contained in Title 43 Code of Federal Regulations (CFR) Part 4 and the enclosed Form 1842-1. If an appeal is taken, a notice of appeal must be filed in the Needles Field Office, Bureau of Land Management, U.S. Department of the Interior, 1303 South U.S. Highway 95, Needles, California 92363, within 30 days from receipt of this decision. The appellant has the burden of showing that the decision appealed from is in error.

Pursuant to 43 CFR 2920, this decision shall remain effective pending appeal unless the Secretary of the Interior rules otherwise. If the appellant wishes to file a petition pursuant to regulation 43 CFR 4.21 for a stay of the effectiveness of this decision during the time that the appeal is being reviewed by the Board, the petition for a stay must accompany the notice of appeal. A petition for a stay is required to show sufficient justification based on the standards listed below. Copies of the notice of appeal and petition for a stay must also be submitted to each party named in this decision and to the Interior Board of Land Appeals and to the appropriate Office of the Solicitor (see 43 CFR 4.413) at the same time the original documents are filed with this office. If a stay is requested, the appellant has the burden of proof to demonstrate that a stay should be granted.

Standards for Obtaining a Stay

Except as otherwise provided by law or other pertinent regulation, a petition for a stay of a decision pending appeal shall show sufficient justification based on the following standards:

(1) The relative harm to the parties if the stay is granted or denied;
(2) The likelihood of the appellant's success on the merits;
(3) The likelihood of immediate and irreparable harm if the stay is not granted; and
(4) Whether the public interest favors granting the stay.

Approved by:

Field Manager, Needles Field Office

19 Jan 11
Date

UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
NEEDLES FIELD OFFICE

CONDITIONS OF APROVAL

PROJECT: Bright Source Energy, Inc (Solar Partners I, II, and VIII, LLC), Aboveground Water Pipeline and Tanks

CONTROL NUMBER: DOI-BLM-CA-D090-2011-0007-CE

1. The Grantee shall designate a field contract representative (FCR) who will be responsible for overseeing compliance with protective conditions and for coordinating compliance with the Bureau of Land Management (BLM). The FCR must be onsite during all project activities. The FCR shall have the authority to halt all project activities that are in violation of the conditions. The FCR shall have a copy of the decision record and conditions of approval when work is being conducted on the site. The FCR may be a crew chief or field supervisor, a project manager, or any other employee of the Grantee.

2. The Grantee will comply with all conditions contained in this amendment unless otherwise approved in writing by the Authorized Officer. Non-compliance with these conditions by the Grantee or any of his agents may at the option of the Authorized Officer result in the cancellation or suspension of the permit or adverse action against the Grantee.

3. The Grantee shall comply with applicable federal and state laws and regulations issued thereunder, existing or hereafter enacted or promulgated, affecting in any manner construction, operation, maintenance or termination of the right of way Right-of-Way grant.

4. The Grantee shall confine all activities within the area specifically defined in the Right-of-Way grant.

5. The Grantee will immediately bring to the attention of the Authorized Officer any archaeological resources encountered during operations and maintain the integrity of such resources pending subsequent investigation.

6. When all development has been completed, a joint compliance check of the Right-of-Way will be made. The grantee and the Authorized Officer shall hold a joint inspection of the grant to determine if compliance with the terms and conditions of this grant has been completed. The grantee shall perform at their own expense any required modifications or additional reclamation work needed to comply with the terms of this grant as conclusively determined by the Authorized Officer.

7. The Grantee will apprize all participants that all actions other than those explicitly approved by the BLM, which result in impacts upon cultural resources, shall be subject to the provisions of the *Archaeological and Resources Protection Act of 1979* as amended and the *Federal Land Policy and Management Act of 1976*. These statues protect archaeological resources for the benefit of all Americans. As property of the United States, no person shall, without authorization, excavate, remove, damage, or otherwise alter or deface any historic or prehistoric site, artifact, or object of antiquity located on public lands.

8. Any cultural (historic/prehistoric site or object) and/or paleontological resource (fossil remains of plants or animals) discovered during the proposed action shall immediately be reported to the Field Manager or his designee. All operations in the immediate area of the discovery shall be suspended until written authorization to proceed is issued. An evaluation of the discovery shall be made by a qualified archaeologist or paleontologist to determine appropriate actions to prevent the loss of significant cultural or scientifically important paleontological values.

9. Releases of any material not authorized shall be reported immediately to the Federal Interagency Communications Center (FICC) at (909) 383-5652. An initial Report shall be faxed to the authorized officer within 24 hours of the incident's discovery (760) 326-7099. Incidents which occur during non-office hours must be faxed to the FICC concurrently at (909) 383-5587. A comprehensive follow-up report must be received by the authorized officer within 14 calendar days of the incident's discovery.

10. The Grantee and associated project personnel will comply with all Federal, State and County regulations and codes, including but not limited to Occupational Safety and Health Administration and Environmental Protection Agency regulations. Requirements include provisions of the Resources Conservation and Recovery Act, Comprehensive Response, Compensation, and Liability Act, and Clean Water Act.

11. Spillage of fuel, oil, antifreeze and other fluids resulting from vehicle accidents or breakdowns require that the contaminated soil be treated as a hazardous waste according to the Environmental Protection Agency (EPA) regulations. If spillage of such fluids occurs in association with vehicle breakdowns or accidents, all costs associated with this cleanup will be borne by the grantee.

12. The Grantee shall advise participants of the following: the desert tortoise was listed as an endangered species by the U.S. Fish and Wildlife Service (USFWS) through an emergency action in August 1989, and is now listed as a threatened species effective April 2, 1990. It receives the same protection with its threatened status as it had as an endangered species. Handling or harassment of tortoises and destruction of critical habitat is prohibited as a result of it threatened status. Such activities not only jeopardize the tortoise's well being, but also can result in significant fines ($50,000 and/or 12 months imprisonment).

13. The Grantee is responsible for informing all personnel about the desert tortoise

(which will include information provided by the BLM on the life history of the desert tortoise, its protected status, and protocols for dealing with tortoises if and when they are encountered) and the definition of "take".

14. The Grantee shall protect all survey monuments found within the authorized area. Survey monuments include, but are not limited to, General Land Office and Bureau of Land Management Cadastral Survey Corners, reference corners, witness points, U.S. Coastal and Geodetic benchmarks and triangulation stations, military control monuments, and recognizable civil (both public and private) survey monuments. In the event of obliteration or disturbance of any of the above, the holder shall immediately report the incident, in writing, to the Authorized Officer and the respective installing authority if known. Where General Land Office or Bureau of Land Management survey monuments or references are obliterated during operations, the holder shall secure the services of a registered land surveyor or a Bureau cadastral surveyor to restore the disturbed monuments and references using surveying procedures found in the Manual of Surveying Instructions for the Survey of the Public Lands in the United States, latest edition. The holder shall record such survey in the appropriate county and send a copy to the Authorized Officer. If the Bureau cadastral surveyors or other Federal surveyors are used to restore the disturbed survey monument, the holder shall be responsible for the survey cost.

15. The Grantee will implement a litter control program that will include trash shall be removed from the area following the close of the day; properly disposing of the trash in an approved waste facility. Litter shall be controlled so as to minimize wind-blown trash across the desert floor. The litter control program will include the use of covered, raven-proof trash receptacles easily accessible to the participants. The trash shall be removed from the area following the close of the day; properly disposing of the trash in an approved waste facility, and properly emptying of the receptacles when full. Litter shall be controlled so as to minimize wind-blown trash across the desert floor.

16. Only biologists authorized by the USFWS and the BLM shall handle desert tortoises.

17. A biologist approved by the USFWS and the BLM will be on site during construction and installation. The approved biologist will be responsible for ensuring the area is clear of any tortoise during assembly. Should a tortoise wander onto the project site it is the responsibility of the approved biologist to notify the FCR and have activities halted until the tortoise has moved, on its own accord, out of harms way.

18. The approved biologist will be responsible for ensuring no tortoises are trapped within the construction and installation area. Should a tortoise be found within the construction and installation area an opening will be made to allow the tortoise to leave.

19. Participants shall inspect for tortoises under vehicles prior to moving the

vehicles. If a tortoise is present, participants shall wait for the tortoise to move out from under the vehicle prior to moving the vehicle. Any tortoise crossing a road will be left alone as it crosses.

20. Participants shall follow all posted speed limits. On roads with no posted speed limit, vehicles will not travel over 25 mph and gravel routes not exceed 15 mph.

21. In the event a desert tortoise is injured or killed, the field contact representatives will be notified immediately, who in turn will contact the BLM wildlife biologist in Needles at 760.326.7060/7011 or through the Dispatch at 909.383.5652. If the wildlife biologist is not available, the U.S. Fish and Wildlife Service Law Enforcement Branch will be notified at 310.328.6307. The injured desert tortoise will be taken to the nearest veterinarian for treatment. Costs incurred will be the responsibility of the Grantee.

22. No dogs allowed at any work site in desert tortoise habitat.

23. The Grantee is responsible for removing all personal and event-related property.

24. All equipment shall be washed and free of nonnative weed seeds before entering BLM-managed lands. At minimum, vehicles shall be washed when entering the county.

25. Grantee will follow the existing weed management plan for Ivanpah Solar Electrical Generating System (ISEGS) currently under construction and follow weed mitigation stipulations as identified in their Grants, and expand that weed management to include the temporary ROW.

26. Grantee will use water from the well for construction purposes only and cannot be used for any other solar project operations.

27. Grantee will provide the Needles Field Office with a ground water sample analysis of the well water prior to plugging the water well but no later than 15 days from the date of expiration of this Grant. The water sample analysis will contain all of the Anions/Inorganics/Bacteriological and Cations/ Metals, Calcium and Sodium as identified in VERITAS Sample ID: V1111003-01 received by the BLM on January 12, 2011.

Advisory

1. Actions other than those explicitly approved by the Bureau of Land Management which result in impacts upon archaeological resources, shall be subject to the judicial proceedings of the Archaeological Resources Protection Act of 1979, as amended, and the Federal Land Policy and Management Act of 1976. As property of the United States, no person may, without authorization, excavate, remove,

damage, or otherwise alter or deface any historic or prehistoric site, artifact, or object of antiquity located on public lands.

2. The desert tortoise was listed as an endangered species by the U.S. Fish and Wildlife Service through an emergency action in August 1989, and is now listed as a threatened species effective April 2, 1990. It receives the same protection with its threatened status as it had as an endangered species. Handling or harassment of tortoises is prohibited as a result of its endangered/threatened status. Such activities not only jeopardize the tortoise's well being, but can result in significant fines ($100,000 and/or 6 months imprisonment).

3. Wild horses and burros are protected by Federal law. It is illegal to harass, capture, injure, or kill wild horses or burros.

4. This right-of-way grant is subject to valid existing rights.

2806-2885 - RIGHTS-OF-WAY MANAGEMENT
Determining CY 2011 1/ Rent Under the Linear Rental Schedule
All Linear Right-of-Way Facilities

USE FOR CALENDAR YEAR 2011 ONLY 2/

Serial No.: CACA-49502-01
Date of Determination: 01/13/2010
Employee: José M. Najar

Determine the 2011 (12 months) rent for the ROW by multiplying the number of acres (round up to next tenth of an acre at county level) in each appropriate zone by the rental rate for that zone. All rental calculations are rounded to the nearest cent as follows: $97.164 is equal to $97.16; $97.165 is equal to $97.17.

Zone 1		acres X	$ 8.00 = $.	
Zone 2		acres X	$ 15.99 = $.	
Zone 3		acres X	$ 31.99 = $.	
Zone 4		acres X	$ 47.98 = $.	
Zone 5		acres X	$ 63.97 = $.	
Zone 6	**1.00**	**acres X**	**$ 95.96 = $. 95.96**	
Zone 7		acres X	$ 159.93 = $.	
Zone 8		acres X	$ 319.85 = $.	
Zone 9		acres X	$ 639.70 = $.	
Zone 10		acres X	$ 959.55 = $.	
Zone 11		acres X	$ 1599.25 = $.	
Zone 12		acres X	$ 3198.50 = $.	

12 month total	**$ 95.96**
Times part year factor 3/	**0.2500**
Total for part year	**$ 23.99**

1/Refer to 43 CFR 2806.24 for required rental payment periods.
2/ See attached rent billing business rules.
3/ Part year factors are:

12 months 1.0000	9 months 0.7500	6 months 0.5000	3 months 0.2500
11 months 0.9167	8 months 0.6667	5 months 0.4167	2 months 0.1667
10 months 0.8333	7 months 0.5833	4 months 0.3333	1 month 0.0833

Business Rules for calculating initial rent (Courtesy Statements) and subsequent rent (Account Receivable Bills)

Calculation and billing of "initial" rent.

The initial rent can be billed by creating a Courtesy Statement (CS) in LRAM (with some limitations) or CBS. Rent bills for new grants are "courtesy" statements because the applicant is not obligated to pay rent unless he/she accepts the terms/conditions of the grant offer. If created in LRAM, the system calculates the rent (as long as the grant was issued between January 1 and September 30). If created in CBS, the rent must be manually calculated.

LRAM is not currently (May 2009) programmed to create a CS if the grant is issued between October 1 and December 31, since the current year's rental rates are replaced by the upcoming year's rental rates sometime around October 1 of each year. It is **expected that by October 2009, LRAM will have the capability to create and calculate CSs for any grant issued during the October 1 through December 31 time-period.** If LRAM is not programmed to create and calculate CSs for grants issued during the 4th quarter, 2009, then continue to create CSs manually in CBS. See Business Rules 4 & 6.

Business Rule 1 – round acres up to nearest tenth of an acre: Acres are rounded **up** to the next tenth of an acre on a county (or geographical area) basis.

Business Rule 2 - Default billing periods: for billing purposes, BLM will assume that the holder prefers the minimum allowable rental payment period provided by the new regulations in this section (either annual or 10-year), unless the holder notifies BLM in writing at least 3 months prior to the due date (by October 1, if the due date is January 1) of their desire to be billed for a greater period.

Business Rule 3: When a new grant is issued between January 1 and September 30, and the initial billing period is 10 years (the annual rent for an individual is $100 or less; or the annual rent for a non-individual is $500 or less), manually calculate the first year's rent by multiplying the rent per acre for the appropriate county zone from the current rent schedule by the number of acres (as rounded up to the nearest tenth of an acre) in the right-of-way area that fall in each zone and multiplying the result by the part year factor. Calculate the rent for the remaining years in the rent payment period by multiplying the rent per acre for the appropriate county zone from the current rent schedule by the number of acres (as rounded up to the next tenth of an acre) in the right-of-way area that fall in each zone and multiplying the result by the number of full years remaining in the rent payment period.

Business Rule 4: When a new grant is issued between October 1 and December 31, and the initial billing period is 10 years (the annual rent for an individual is $100 or less; or the annual rent for a non-individual is $500 or less), manually calculate the first year's rent by multiplying the rent per acre for the appropriate county zone from the current rent schedule by the number of acres (as rounded up to the nearest tenth of an acre) in the right-of-way area that fall in each zone and multiplying the result by the part year factor. Calculate the rent for the remaining years in the rent payment period by multiplying the rent per acre for the appropriate county zone from the next year's rent schedule by the number of acres (as rounded up to the nearest tenth of an acre) in the

right-of-way area that fall in each zone and multiplying the result by the number of full years remaining in the rent payment period.

Business Rule 5: When a new grant is issued between January 1 and September 30, and the grant qualifies for annual billing (the annual rent for an individual is more than $100; or the annual rent for a non-individual is more than $500), manually calculate the initial rent by multiplying the rent per acre for the appropriate county zone from the current rent schedule by the number of acres (as rounded up to the nearest tenth of an acre) in the right-of-way area that fall in each zone and multiplying the result by the part year factor.

Business Rule 6: When a new grant is issued between October 1 and December 31, and the grant qualifies for annual billing (the annual rent for an individual is more than $100; or the annual rent for a non-individual is more than $500), manually calculate the first year's rent by multiplying the rent per acre for the appropriate county zone from the current rent schedule by the number of acres (as rounded up to the nearest tenth of an acre) in the right-of-way area that fall in each zone and multiplying the result by the part year factor. However, since the new grant is issued in the 4th quarter, it is inefficient to only bill for a maximum of two months. Therefore, include both the partial year and the full subsequent year in the initial rental bill due on grant issuance. Calculate the rent for the subsequent year by multiplying the rent per acre for the appropriate county zone from the next year's rent schedule by the number of acres (as rounded up to the nearest tenth of an acre) in the right-of-way area that fall in each zone.

Accounts Receivable Bills

Calculation of "accounts receivable" bills (rent bills for existing grants are considered "accounts receivable" bills because the holder is obligated to pay rent as a term/condition of the grant. Account receivable bills must be calculated in LRAM. Since all grants should terminate on December 31 of the final year of the term, billing periods should be either annually, at 10-year intervals, or the term of the grant (not to exceed 30 years, if the term is perpetual). No other billing periods are available under the final regulations.

Business Rule 7 - Annual bills. Whenever the annual rent using the current year's rental rates exceeds $100 (for an individual) or exceeds $500 (for a non-individual), then that grant qualifies for annual billing. These limits are based on individual grants, not multiple grants in bill groups or in consolidated bills.

Business Rule 8 - Ten year bills or bills for remaining years in term. Whenever the annual rent using the current year's rental rates equals $100 or less (for an individual) or equals $500 or less (for a non-individual), then that grant qualifies for ten-year interval (or the remaining term) billing.

Business Rule 9 - Existing and new perpetual grants. Rent (and rent payment periods) for perpetual grants are determined the same as rent for grants with a specified number of years, except the maximum rental payment period cannot exceed 30 years (unless the land encumbered by the perpetual grant is being transferred out of Federal ownership and the holder requests a one-time payment as provided by §§2806.25, 2806.26 and 2885.22(a)). Payment of the maximum rent for a perpetual grant for a 30 year period is not a one-time rent payment for that grant. New rent is due for that perpetual grant in year 31 if the holder had initially or subsequently paid the maximum 30 year rent payment term.

County Zone Number and Per Acre Zone Value	2009* Per Acre Rent (with 25% phase-in discount)	2010 Per Acre Rent (1.9 percent IPD-GDP increase – average annual increase from 1994 - 2003)	2011** Per Acre Rent (1.9 percent IPD-GDP increase – average annual increase from 1994 - 2003)	2012 Per Acre Rent (1.9 percent IPD-GDP increase – average annual increase from 1994 - 2003)	2013 Per Acre Rent (1.9 percent IPD-GDP increase – average annual increase from 1994 - 2003)	2014 Per Acre Rent (1.9 percent IPD-GDP increase – average annual increase from 1994 - 2003)	2015 Per Acre Rent (1.9 percent IPD-GDP increase – average annual increase from 1994 - 2003)
Zone 1 $250	$5.78	$7.85	$8.00	$8.15	$8.30	$8.46	$8.62
Zone 2 $500	$11.55	$15.69	$15.99	$16.30	$16.61	$16.92	$17.24
Zone 3 $1,000	$23.10	$31.39	$31.99	$32.59	$33.21	$33.84	$34.49
Zone 4 $1,500	$34.66	$47.08	$47.98	$48.89	$49.82	$50.76	$51.73
Zone 5 $2,000	$46.21	$62.78	$63.97	$65.19	$66.42	$67.69	$68.97
Zone 6 $3,000	$69.31	$94.17	$95.96	$97.78	$99.64	$101.53	$103.46
Zone 7 $5,000	$115.52	$156.94	$159.93	$162.96	$166.06	$169.22	$172.43
Zone 8 $10,000	$231.02	$313.89	$319.85	$325.93	$332.12	$338.43	$344.86
Zone 9 $20,000	$462.05	$627.77	$639.70	$651.85	$664.24	$676.86	$689.72
Zone 10 $30,000	$693.08	$941.66	$959.55	$977.78	$996.36	$1,015.29	$1,034.58
Zone 11 $50,000	$1,155.13	$1,569.43	$1,599.25	$1,629.64	$1,660.60	$1,692.15	$1,724.30
Zone 12 $100,000	$2,310.26	$3,138.86	$3,198.50	$3,259.27	$3,321.20	$3,384.30	$3,448.60

Counties are assigned to appropriate zones for calendar years 2009-2010 based upon 2002 NASS Census Data (80% of average per acre land and building value).

**Counties are re-assigned to appropriate zones for calendar years 2011-2015 based on 2007 NASS Census Data (80% of average per acre land and building value).

Form 1842-1
(September 2006)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

INFORMATION ON TAKING APPEALS TO THE INTERIOR BOARD OF LAND APPEALS

DO NOT APPEAL UNLESS
1. This decision is adverse to you,
AND
2. You believe it is incorrect

IF YOU APPEAL, THE FOLLOWING PROCEDURES MUST BE FOLLOWED

1. NOTICE OF APPEAL.....

A person who wishes to appeal to the Interior Board of Land Appeals must file in the office of the officer who made the decision (not the Interior Board of Land Appeals) a notice that he wishes to appeal. A person served with the decision being appealed must transmit the *Notice of Appeal* in time for it to be filed in the office where it is required to be filed within 30 days after the date of service. If a decision is published in the FEDERAL REGISTER, a person not served with the decision must transmit a *Notice of Appeal* in time for it to be filed within 30 days after the date of publication (43 CFR 4.411 and 4.413).

2. WHERE TO FILE

NOTICE OF APPEAL.....
Needles Field Office, Attn: Field Manager
1303 South U.S. Highway 95
Needles, CA 92363

WITH COPY TO SOLICITOR...
U.S. Department of the Interior
Pacific Southwest Region, Attn: Regional Solicitor
2800 Cottage Way, Room E-1712
Sacramento, CA 95825-1890

3. STATEMENT OF REASONS

Within 30 days after filing the *Notice of Appeal*, file a complete statement of the reasons why you are appealing. This must be filed with the United States Department of the Interior, Office of Hearings and Appeals, Interior Board of Land Appeals, 801 N. Quincy Street, MS 300-QC, Arlington, Virginia 22203. If you fully stated your reasons for appealing when filing the *Notice of Appeal*, no additional statement is necessary (43 CFR 4.412 and 4.413).

WITH COPY TO SOLICITOR.....
U.S. Department of the Interior
Pacific Southwest Region, Attn: Regional Solicitor
2800 Cottage Way, Room E-1712
Sacramento, CA 95825-1890

4. ADVERSE PARTIES.....

Within 15 days after each document is filed, each adverse party named in the decision and the Regional Solicitor or Field Solicitor having jurisdiction over the State in which the appeal arose must be served with a copy of: (a) the *Notice of Appeal*, (b) the Statement of Reasons, and (c) any other documents filed (43 CFR 4.413).

5. PROOF OF SERVICE.....

Within 15 days after any document is served on an adverse party, file proof of that service with the United States Department of the Interior, Office of Hearings and Appeals, Interior Board of Land Appeals, 801 N. Quincy Street, MS 300-QC, Arlington, Virginia 22203. This may consist of a certified or registered mail "Return Receipt Card" signed by the adverse party (43 CFR 4.401(c)).

6. REQUEST FOR STAY.....

Except where program-specific regulations place this decision in full force and effect or provide for an automatic stay, the decision becomes effective upon the expiration of the time allowed for filing an appeal unless a petition for a stay is timely filed together with a *Notice of Appeal* (43 CFR 4.21). If you wish to file a petition for a stay of the effectiveness of this decision during the time that your appeal is being reviewed by the Interior Board of Land Appeals, the petition for a stay must accompany your *Notice of Appeal* (43 CFR 4.21 or 43 CFR 2801.10 or 43 CFR 2881.10). A petition for a stay is required to show sufficient justification based on the standards listed below. Copies of the *Notice of Appeal* and Petition for a Stay **must** also be submitted to each party named in this decision and to the Interior Board of Land Appeals and to the appropriate Office of the Solicitor (43 CFR 4.413) at the same time the original documents are filed with this office. If you request a stay, you have the burden of proof to demonstrate that a stay should be granted.

Standards for Obtaining a Stay. Except as otherwise provided by law or other pertinent regulations, a petition for a stay of a decision pending appeal shall show sufficient justification based on the following standards: (1) the relative harm to the parties if the stay is granted or denied, (2) the likelihood of the appellant's success on the merits, (3) the likelihood of immediate and irreparable harm if the stay is not granted, and (4) whether the public interest favors granting the stay.

Unless these procedures are followed, your appeal will be subject to dismissal (43 CFR 4.402). Be certain that **all** communications are identified by serial number of the case being appealed.

NOTE: A document is not filed until it is actually received in the proper office (43 CFR 4.401(a)). See 43 CFR Part 4, Subpart B for general rules relating to procedures and practice involving appeals.

(Continued on page 2)

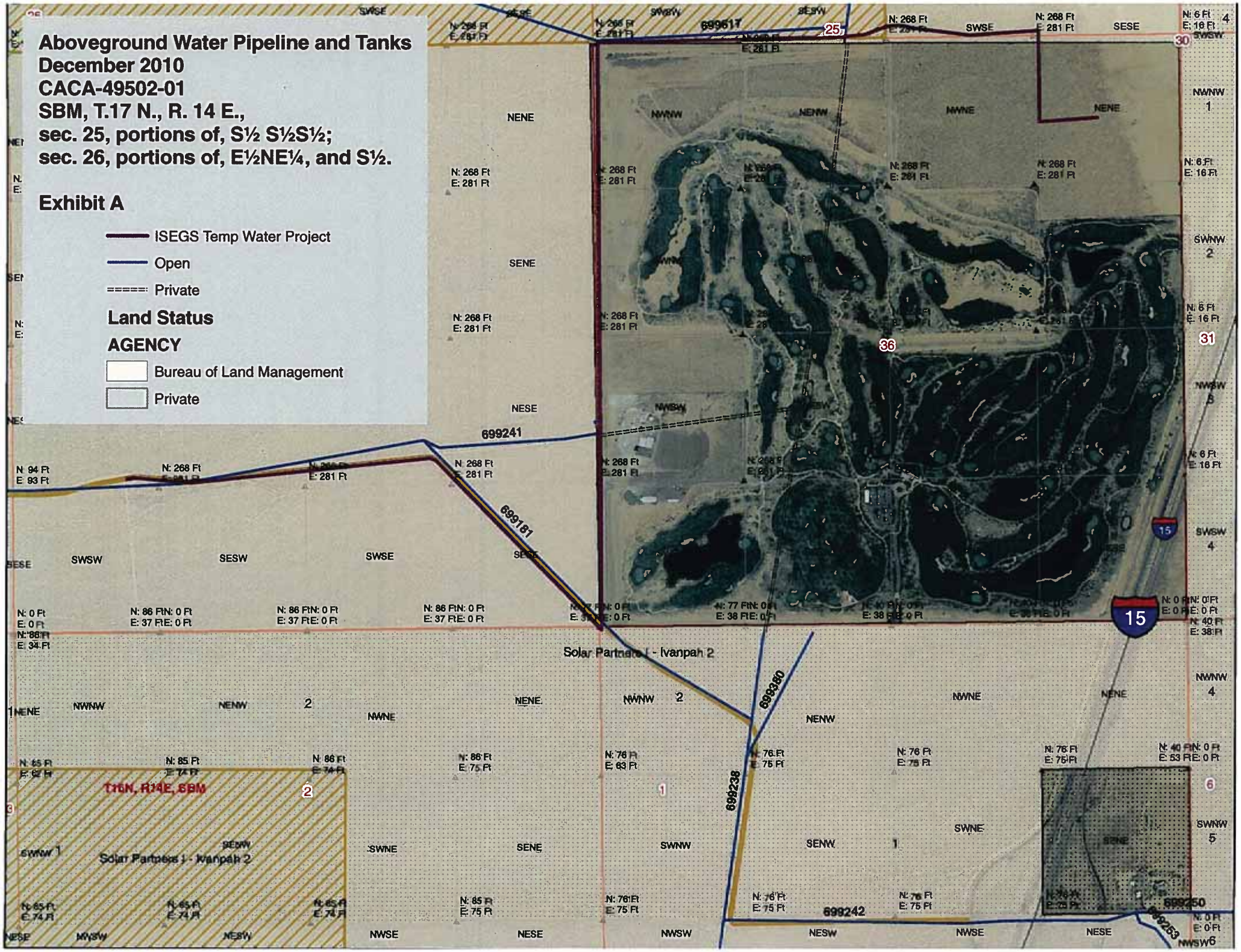
43 CFR SUBPART 1821--GENERAL INFORMATION

Sec. 1821.10 Where are BLM offices located? (a) In addition to the Headquarters Office in Washington, D.C. and seven national level support and service centers, BLM operates 12 State Offices each having several subsidiary offices called Field Offices. The addresses of the State Offices can be found in the most recent edition of 43 CFR 1821.10. The State Office geographical areas of jurisdiction are as follows:

STATE OFFICES AND AREAS OF JURISDICTION:

Alaska State Office ---------- Alaska
Arizona State Office --------- Arizona
California State Office ------- California
Colorado State Office -------- Colorado
Eastern States Office --------- Arkansas, Iowa, Louisiana, Minnesota, Missouri
and, all States east of the Mississippi River
Idaho State Office ---------- Idaho
Montana State Office --------- Montana, North Dakota and South Dakota
Nevada State Office ---------- Nevada
New Mexico State Office ---- New Mexico, Kansas, Oklahoma and Texas
Oregon State Office ---------- Oregon and Washington
Utah State Office ---------- Utah
Wyoming State Office -------- Wyoming and Nebraska

(b) A list of the names, addresses, and geographical areas of jurisdiction of all Field Offices of the Bureau of Land Management can be obtained at the above addresses or any office of the Bureau of Land Management, including the Washington Office, Bureau of Land Management, 1849 C Street, NW, Washington, DC 20240.


Aboveground Water Pipeline and Tanks
December 2010
CACA-49502-01
SBM, T.17 N., R. 14 E.,
sec. 25, portions of, S½ S½S½;
sec. 26, portions of, E½NE¼, and S½.
Exhibit A
ISEGS Temp Water Project
Open
Private
Land Status
AGENCY
Bureau of Land Management
Private
699617
699241
699181
699360
699238
699242
699250
699253
Solar Partners I - Ivanpah 2
T16N, R14E, SBM
15
25
30
31
36

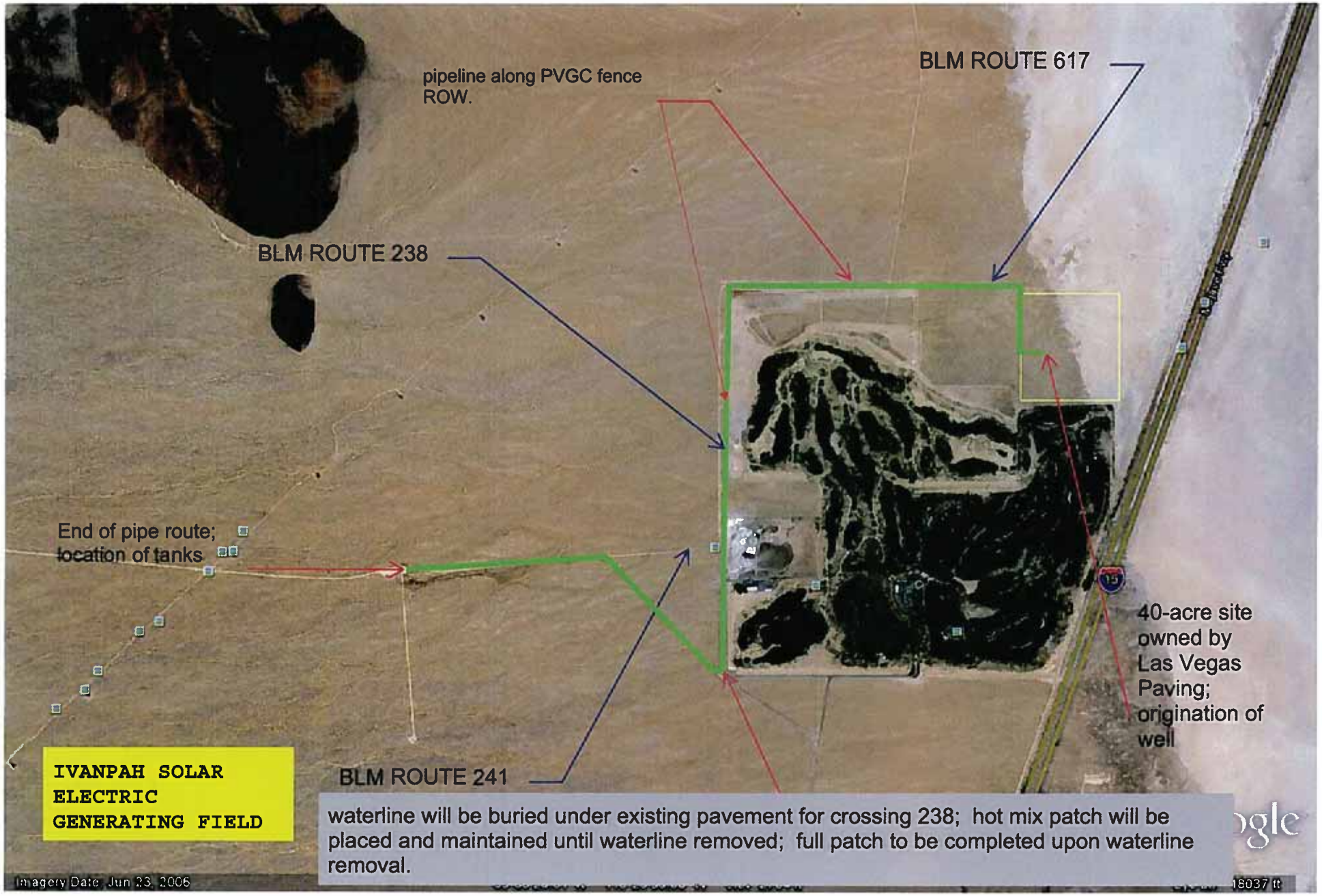

pipeline along PVGC fence ROW.
BLM ROUTE 617
BLM ROUTE 238
End of pipe route; location of tanks
40-acre site owned by Las Vegas Paving; origination of well
IVANPAH SOLAR ELECTRIC GENERATING FIELD
BLM ROUTE 241
waterline will be buried under existing pavement for crossing 238; hot mix patch will be placed and maintained until waterline removed; full patch to be completed upon waterline removal.
Imagery Date: Jun 23, 2006

EXHIBIT B

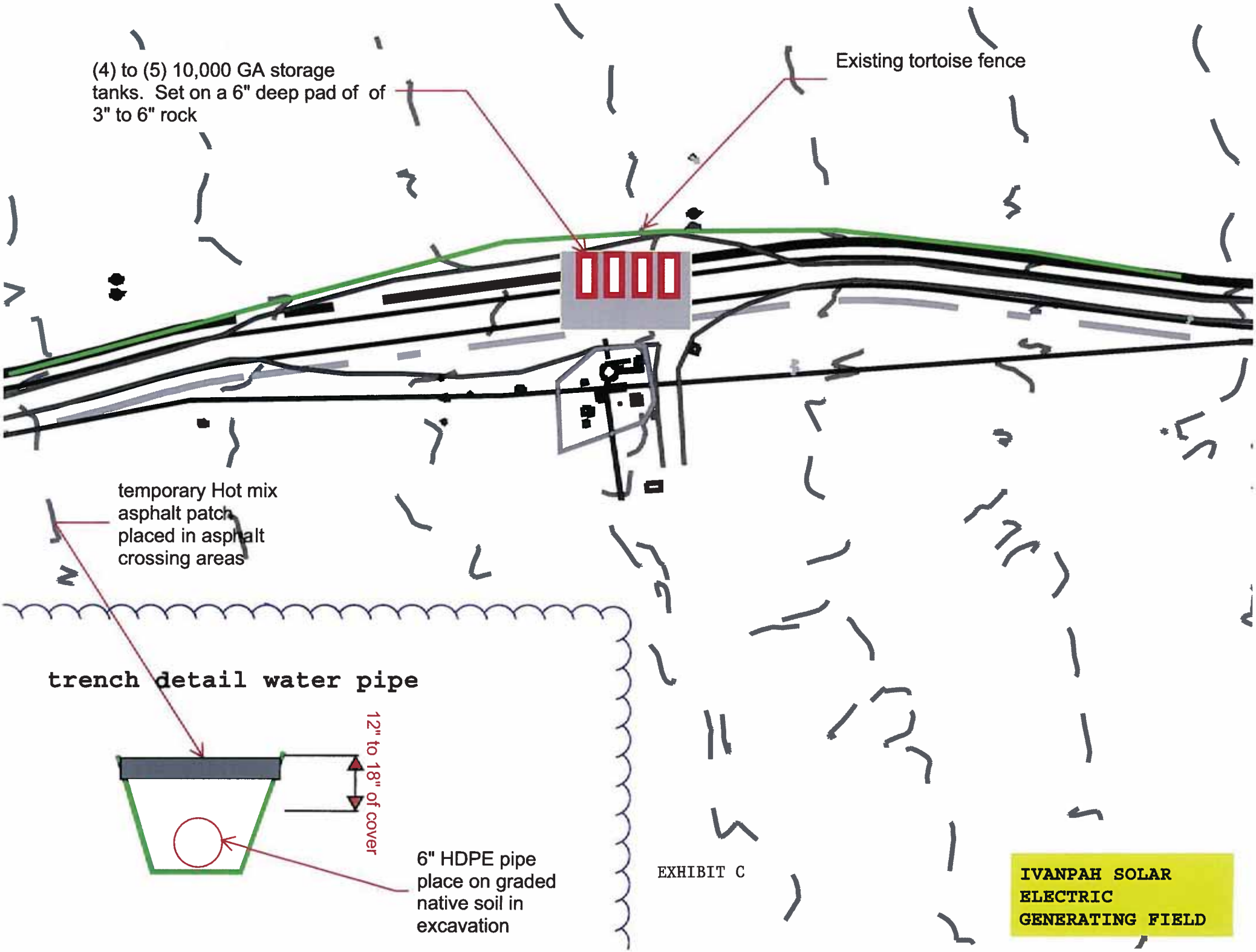


EXHIBIT C

IVANPAH SOLAR ELECTRIC GENERATING FIELD

CONSULTING
2727 SOUTH RAINBOW BOULEVARD * LAS VEGAS, NEVADA 89146-5148
PHONE 702-873-7550 * FAX 702-362-2597

LICENSED LAND SURVEYOR
VERNON C. LITTLE
5701
STATE OF CALIFORNIA

W.O. 7276
NOVEMBER 22, 2010
BY: TJ
P.R. BY: VCL
PAGE 1 OF 6

EXHIBIT "A" 11-23-2010

EXPLANATION:
THIS LEGAL DESCRIBES A PARCEL OF LAND GENERALLY LOCATED NORTHWESTERLY OF YATES WELL ROAD AND INTERSTATE 15 FOR TEMPORARY WATER PIPELINE RIGHT-OF-WAY PURPOSES.

LEGAL DESCRIPTION
TEMPORARY WATER PIPELINE RIGHT-OF-WAY AREA

BEING PORTIONS OF SECTIONS 34, 35, AND 36, TOWNSHIP 17 NORTH, RANGE 14 EAST, AND A PORTION OF SECTION 1, TOWNSHIP 16 NORTH, RANGE 14 EAST, SAN BERNARDINO BASE AND MERIDIAN, SAN BERNARDINO COUNTY, CALIFORNIA, BEING MORE PARTICULARLY DESCRIBED AS FOLLOWS:

IVANPAH ROADWAY

BEING A STRIP OF LAND 24.00 FEET WIDE, LYING 12.00 FEET ON BOTH SIDES OF THE FOLLOWING DESCRIBED CENTERLINES:

COMMENCING AT THE QUARTER CORNER COMMON TO SECTION 34, TOWNSHIP 17 NORTH, RANGE 14 EAST, AND SECTION 3, TOWNSHIP 16 NORTH, RANGE 14 EAST; THENCE NORTH 06°34'13" EAST DEPARTING SAID CORNER, 1264.73 FEET TO THE **POINT OF BEGINNING**,

THENCE NORTH 48°37'54" EAST, 162.72 FEET TO THE BEGINNING OF A CURVE CONCAVE SOUTHERLY HAVING A RADIUS OF 540.00 FEET; THENCE EASTERLY, 434.91 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 46°08'43"; THENCE SOUTH 85°13'23" EAST, 402.53 FEET TO THE BEGINNING OF A CURVE CONCAVE NORTHERLY HAVING A RADIUS OF 540.00 FEET; THENCE EASTERLY, 8.73 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 00°55'35"; THENCE SOUTH 86°08'59" EAST, 548.71 FEET TO THE BEGINNING OF A CURVE CONCAVE NORTHERLY HAVING A RADIUS OF 1000.00 FEET; THENCE EASTERLY, 98.82 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 05°39'43" TO THE BEGINNING OF A REVERSE CURVE CONCAVE SOUTHERLY HAVING A RADIUS OF 1000.00 FEET, A RADIAL LINE TO SAID BEGINNING BEARS NORTH 01°48'42" WEST;

THENCE EASTERLY, 93.59 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 05°21'44"; THENCE SOUTH 86°26'58" EAST, 307.02 FEET TO THE BEGINNING OF A CURVE CONCAVE NORTHERLY HAVING A RADIUS OF 200.00 FEET; THENCE EASTERLY, 3.36 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 00°57'41"; THENCE SOUTH 87°24'39" EAST, 436.29 FEET TO THE BEGINNING OF A CURVE CONCAVE NORTHERLY HAVING A RADIUS OF 200.00 FEET; THENCE EASTERLY, 9.96 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 02°51'14"; THENCE NORTH 89°44'07" EAST, 272.18 FEET TO THE BEGINNING OF A CURVE CONCAVE NORTHERLY HAVING A RADIUS OF 150.00 FEET; THENCE EASTERLY, 13.64 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 05°12'34"; THENCE NORTH 84°31'33" EAST, 177.90 FEET TO THE BEGINNING OF A CURVE CONCAVE NORTHERLY HAVING A RADIUS OF 150.00 FEET; THENCE EASTERLY, 28.11 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 10°44'10"; THENCE NORTH 73°47'23" EAST, 111.86 FEET TO THE BEGINNING FO A CURVE CONCAVE SOUTHERLY HAVING A RADIUS OF 200.00 FEET; THENCE EASTERLY, 5.58 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 01°35'55"; THENCE NORTH 75°23'18" EAST, 141.33 FEET TO THE BEGINNING OF A CURVE CONCAVE SOUTHERLY HAVING A RADIUS OF 200.00 FEET; THENCE EASTERLY, 13.66 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 03°54'50"; THENCE NORTH 79°18'08" EAST, 173.15 FEET TO THE BEGINNING OF A CURVE CONCAVE SOUTHERLY HAVING A RADIUS OF 200.00 FEET; THENCE EASTERLY, 2.04 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 00°35'00"; THENCE NORTH 79°53'08" EAST, 188.95 FEET TO THE BEGINNING OF A CURVE CONCAVE SOUTHERLY HAVING A RADIUS OF 100.00 FEET; THENCE EASTERLY, 26.77 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 15°20'09"; THENCE SOUTH 84°46'43" EAST, 128.90 FEET; THENCE SOUTH 84°46'38" EAST, 139.49 FEET TO THE BEGINNING OF A CURVE CONCAVE SOUTHERLY HAVING A RADIUS OF 150.00 FEET; THENCE EASTERLY, 5.92 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 02°15'39"; THENCE SOUTH 82°30'59" EAST, 162.41 FEET TO THE BEGINNING OF A CURVE CONCAVE NORTHERLY HAVING A RADIUS OF 100.00 FEET; THENCE EASTERLY, 20.86 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 11°57'16"; THENCE NORTH 85°31'45" EAST, 131.66 FEET; THENCE NORTH 85°31'25" EAST, 136.48 FEET TO THE BEGINNING OF A CURVE CONCAVE NORTHERLY HAVING A RADIUS OF 200.00 FEET; THENCE EASTERLY, 11.22 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 03°12'48"; THENCE NORTH 82°18'37" EAST, 199.53 FEET; THENCE NORTH 82°18'46" EAST, 202.61 FEET TO THE BEGINNING OF A CURVE CONCAVE SOUTHERLY HAVING A RADIUS OF 125.00 FEET; THENCE EASTERLY, 4.92 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 02°15'27"; THENCE NORTH 84°34'13" EAST, 255.36 FEET TO THE BEGINNING OF A CURVE CONCAVE SOUTHERLY HAVING A RADIUS OF 200.00 FEET; THENCE EASTERLY, 0.46 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 00°07'55"; THENCE NORTH 84°42'08" EAST, 303.70 FEET TO THE BEGINNING OF A CURVE CONCAVE NORTHERLY HAVING A RADIUS OF 200.00 FEET; THENCE EASTERLY, 2.55 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 00°43'47"; THENCE NORTH 83°58'21" EAST, 413.09 FEET TO THE BEGINNING OF A CURVE CONCAVE NORTHERLY HAVING A RADIUS OF 200.00 FEET; THENCE EASTERLY, 1.71 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 00°29'21"; THENCE NORTH 83°29'00" EAST, 247.67 FEET TO THE BEGINNING OF A CURVE CONCAVE SOUTHERLY HAVING A RADIUS OF 200.00 FEET; THENCE EASTERLY, 1.66 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 00°28'35"; THENCE NORTH 83°57'35" EAST, 167.59 FEET TO THE BEGINNING OF A CURVE CONCAVE SOUTHERLY HAVING A RADIUS OF 200.00 FEET; THENCE EASTERLY, 7.93 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 02°16'20";

THENCE NORTH 86°13'54" EAST, 68.30 FEET TO THE BEGINNING OF A CURVE CONCAVE SOUTHERLY HAVING A RADIUS OF 135.00 FEET; THENCE EASTERLY, 116.07 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 49°15'45"; THENCE SOUTH 44°30'21" EAST, 23.48 FEET TO THE BEGINNING OF A CURVE CONCAVE NORTHEASTERLY HAVING A RADIUS OF 200.00 FEET; THENCE SOUTHEASTERLY, 2.19 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 00°37'35"; THENCE SOUTH 45°07'56" EAST, 789.03 FEET TO THE BEGINNING OF A CURVE CONCAVE SOUTHWESTERLY HAVING A RADIUS OF 200.00 FEET; THENCE SOUTHEASTERLY, 2.39 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 00°41'00"; THENCE SOUTH 44°26'55" EAST, 569.78 FEET TO THE BEGINNING OF A CURVE CONCAVE NORTHEASTERLY HAVING A RADIUS OF 200.00 FEET; THENCE SOUTHEASTERLY, 4.52 FEET ALONG SAID CURVE THROUGH A CENTRAL ANGLE OF 01°17'40"; THENCE SOUTH 45°44'36" EAST, 775.92 FEET; THENCE NORTH 29°32'05" EAST, 61.80 FEET TO THE **POINT OF TERMINATION**, AS SHOWN ON THE "EXHIBIT TO ACCOMPANY LEGAL DESCRIPTION", ATTACHED HERETO AND MADE A PART HEREOF.

THE SIDELINES OF SAID STRIP OF LAND SHALL BE SHORTENED OR LENGTHENED, SO AS TO BEGIN ON A LINE BEARING NORTH 00°00'44" EAST, MEET AT ALL ANGLE POINTS, AND TO TERMINATE ON AN EASTERLY RIGHT-OF-WAY LINE BEARING NORTH 00°49'56" WEST.

CONTAINING 4.76 ACRES, MORE OR LESS, AS DETERMINED BY COMPUTER METHODS.

BASIS OF BEARINGS:
THE BASIS OF BEARINGS FOR THIS PROJECT IS GRID NORTH AS DEFINED BY THE UNIVERSAL TRANSVERSE MERCATOR (UTM) PROJECTION, ZONE 11 (N), NAD 83, EPOCH 2002 VIA NATIONAL GEODETIC SURVEY CORS STATIONS NVBM (PID DJ8973) AND NVPO (PID DI4038). THE DISTANCES SHOWN ON THIS DRAWING ARE GROUND US SURVEY FEET. THE COMBINED SCALE FACTOR IS 0.99970719 (GROUND TO GRID).

END OF DESCRIPTION.

Exhibit 14

MECH-1 & MECH-2 CBO Approvals
Conditions of Certification
MECH-1 & MECH-2

Rudy, Holly

From: jamie.saldana@us.bureauveritas.com
Sent: Wednesday, January 05, 2011 11:23 AM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: carlos.larios@us.bureauveritas.com; theresa.gutierrez@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; keith.long@us.bureauveritas.com
Subject: Ivanpah - Mech-1-1.02-Underground Pipe Isometric for the Natural Gas System Unit 1 PC3 - Approved/Reference Only

Hello,

The Ivanpah submittal "Mech-1-1.02-Underground Pipe Isometric for the Natural Gas System Unit 1 PC3," has been reviewed, approved and reference only, you will find the documents on BVnet under the respective title, feel free to contact me with any questions or concerns.

Respectfully,

Jamie Saldana
Permit Technician – 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
ISO 9001:2000 Certified
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Rudy, Holly

From: jamie.saldana@us.bureauveritas.com
Sent: Friday, January 14, 2011 2:02 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: carlos.larios@us.bureauveritas.com; theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: MECH-1-1.08-Common Facilities PF Isometrics - PC2 - Approved & Reference Only

Hello,

The Ivanpah submittal "MECH-1-1.08-Common Facilities PF Isometrics - PC2, " has been reviewed,approved and also has deemed 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
Permit Technician – 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
ISO 9001:2000 Certified
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Rudy, Holly

From: jamie.saldana@us.bureauveritas.com
Sent: Friday, January 28, 2011 2:34 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: Ivanpah - MECH-1-1.08 - Common Facilities PF Isometrics - PC3 - Approved/ Reference Only

Hello,

The Ivanpah submittal "MECH-1-1.08 - Common Facilities PF Isometrics - 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.

Respectfully,

Jamie Saldana
Permit Technician – 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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Exhibit 15

STRUC-1 CBO Approvals
Condition of Certification
STRUC-1

Rudy, Holly

From: jamie.saldana@us.bureauveritas.com
Sent: Friday, January 14, 2011 11:29 AM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: carlos.larios@us.bureauveritas.com; theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: STRUC-1-1.02 Structural Concrete Specifications-PC2- Approved

Hello,

The Ivanpah submittal "STRUC-1-1.02 Structural Concrete Specifications-PC2, " has been reviewed and approved, you will find the documents on BVnet under the respective title, feel free to contact me with any questions or concerns.

Respectfully,

Jamie Saldana
Permit Technician – 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: jamie.saldana@us.bureauveritas.com
Sent: Friday, January 07, 2011 11:57 AM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: carlos.larios@us.bureauveritas.com; theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: Ivanpah -STRUC-1-1.08 - Statement of Special Inspection - PC2 - Approved

Follow Up Flag: Follow up
Flag Status: Flagged

Hello,

The Ivanpah submittal "STRUC-1-1.08 - Statement of Special Inspection - PC2," has been reviewed and approved, you will find the documents on BVnet under the respective title, feel free to contact me with any questions or concerns.

Respectfully,

Jamie Saldana
Permit Technician – 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: jamie.saldana@us.bureauveritas.com
Sent: Monday, January 24, 2011 3:57 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: Ivanpah -STRUC-1-4.02 - 500kVA Transformer Foundation - PC1 - Approved/Reference Only

Follow Up Flag: Follow up
Flag Status: Completed

Hello,

The Ivanpah submittal "STRUC-1-4.02 - 500kVA Transformer Foundation - PC1," has been reviewed and approved, and also has 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
Permit Technician – 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: jamie.saldana@us.bureauveritas.com
Sent: Monday, January 24, 2011 11:39 AM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: Ivanpah - STRUC-1-4.03 - 1000kVA Transformer Foundations - PC1 - Approved/Reference Only

Follow Up Flag: Follow up
Flag Status: Completed

Hello,

The Ivanpah submittal "STRUC-1-4.03 - 1000kVA Transformer Foundations - PC1," has been reviewed and approved, and also has 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
Permit Technician – 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: jamie.saldana@us.bureauveritas.com
Sent: Monday, January 24, 2011 11:39 AM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: Ivanpah - STRUC-1-4.04 - 1500 kVA Transformer Foundation - PC1 - Approved/Reference Only

Follow Up Flag: Follow up
Flag Status: Completed

Hello,

The Ivanpah submittal "STRUC-1-4.04 - 1500 kVA Transformer Foundation - PC1," has been reviewed and approved, and also has 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
Permit Technician – 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: jamie.saldana@us.bureauveritas.com
Sent: Friday, January 14, 2011 5:19 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: carlos.larios@us.bureauveritas.com; theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: STRUC-1-6.03 - Application for Approved Fabricator Status - GEM Buildings V1B-AK00 - PC1 - Approved

Hello,

The Ivanpah submittal "STRUC-1-6.03 - Application for Approved Fabricator Status - GEM Buildings V1B-AK00 - 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
Permit Technician – 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: jamie.saldana@us.bureauveritas.com
Sent: Wednesday, January 26, 2011 10:42 AM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: Ivanpah -STRUC-1-7.01 - Wood Pole Design for 33kV Transmission Line - PC2 - Approved/Reference Only

Hello,

The Ivanpah submittal "STRUC-1-7.01 - Wood Pole Design for 33kV Transmission Line - PC2," has been reviewed and approved, and also has 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
Permit Technician – 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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Exhibit 16

ELEC-1 CBO Approvals
Condition of Certification
ELEC-1

Rudy, Holly

From: jamie.saldana@us.bureauveritas.com
Sent: Thursday, January 13, 2011 5:41 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: carlos.larios@us.bureauveritas.com; theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: ELEC-1-3.04 - Trailer Grounding Detail - PC2 - Approved

Categories: Blue Category

Hello,

The Ivanpah submittal "ELEC-1-3.04 - Trailer Grounding Detail - PC2 , " has been reviewed and approved, you will find the documents on BVnet under the respective title, feel free to contact me with any questions or concerns.

Respectfully,

Jamie Saldana
Permit Technician – 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
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Rudy, Holly

From: jamie.saldana@us.bureauveritas.com
Sent: Thursday, January 27, 2011 6:17 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: Ivanpah -ELEC-1-3.05 - Ground Calculations and Plan Drawing Admin and HAB Areas - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Hello,

The Ivanpah submittal "ELEC-1-3.05 - Ground Calculations and Plan Drawing Admin and HAB 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.

Respectfully,

Jamie Saldana
Permit Technician – 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: jamie.saldana@us.bureauveritas.com
Sent: Thursday, January 06, 2011 11:39 AM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: carlos.larios@us.bureauveritas.com; theresa.gutierrez@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; keith.long@us.bureauveritas.com
Subject: Ivanpah - ELEC-1-4.01 - Construction Roadway Lighting for Power Block, Heliostat Assembly Building & Admin Building Areas-PC3 - Approved

Hello,

The Ivanpah submittal "ELEC-1-4.01 - Construction Roadway Lighting for Power Block, Heliostat Assembly Building & Admin Building Areas-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.

Respectfully,

Jamie Saldana
Permit Technician – 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: jamie.saldana@us.bureauveritas.com
Sent: Thursday, January 20, 2011 11:04 AM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: Ivanpah - ELEC-1-5.06 - Technical Specification for Generator Circuit Breaker - PC1- Approved

Hello,

The Ivanpah submittal "ELEC-1-5.06 - Technical Specification for Generator Circuit Breaker - 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
Permit Technician – 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
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Rudy, Holly

From: jamie.saldana@us.bureauveritas.com
Sent: Wednesday, January 19, 2011 11:43 AM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: ELEC-1-6.05 - 33kV Switchgear & Automatic Recloser Protective Relay Setting Calculation - PC1- Approved

Hello,

The Ivanpah submittal "ELEC-1-6.05 - 33kV Switchgear & Automatic Recloser Protective Relay Setting Calculation - 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
Permit Technician – 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: jamie.saldana@us.bureauveritas.com
Sent: Friday, January 14, 2011 11:43 AM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: carlos.larios@us.bureauveritas.com; theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: ELEC-1-10.01 - Notes, Symbols and Details for Installation of Underground Raceway - PC2 - Approved

Hello,

The Ivanpah submittal "ELEC-1-10.01 - Notes, Symbols and Details for Installation of Underground Raceway - PC2, " has been reviewed and approved, you will find the documents on BVnet under the respective title, feel free to contact me with any questions or concerns.

Respectfully,

Jamie Saldana
Permit Technician – 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: jamie.saldana@us.bureauveritas.com
Sent: Friday, January 14, 2011 12:41 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: carlos.larios@us.bureauveritas.com; theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: ELEC-1-10.03 Embedded Conduit Plan for 33kV Switchgear Foundation - PC2 - Approved

Hello,

The Ivanpah submittal "ELEC-1-10.03 Embedded Conduit Plan for 33kV Switchgear Foundation - PC2, " has been reviewed and approved, you will find the documents on BVnet under the respective title, feel free to contact me with any questions or concerns.

Respectfully,

Jamie Saldana
Permit Technician – 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: jamie.saldana@us.bureauveritas.com
Sent: Friday, January 14, 2011 12:56 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: carlos.larios@us.bureauveritas.com; theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: ELEC-1-10.04-Underground and Embedded Raceway Drawings for Admin Bldg Area Well-Water Storage Area-PC2 - Approved

Hello,

The Ivanpah submittal "ELEC-1-10.04-Underground & Embedded Raceway Drawings for Admin Bldg Area Well-Water Storage Area-PC2, " has been reviewed and approved, you will find the documents on BVnet under the respective title, feel free to contact me with any questions or concerns.

Respectfully,

Jamie Saldana
Permit Technician – 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: jamie.saldana@us.bureauveritas.com
Sent: Friday, January 14, 2011 1:29 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: carlos.larios@us.bureauveritas.com; theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: ELEC-1-10.05-Underground Raceway Drawings&Cable Routing Plans for Heliostat Assembly Blding Area-PC1 - Approved

Hello,

The Ivanpah submittal "ELEC-1-10.05-Underground Raceway Drawings&Cable Routing Plans for Heliostat Assembly Blding 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.

Respectfully,

Jamie Saldana
Permit Technician – 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: jamie.saldana@us.bureauveritas.com
Sent: Friday, January 14, 2011 1:35 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: carlos.larios@us.bureauveritas.com; theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: ELEC-1-10.06 - Underground Raceway Plan for Nighttime Preservation Boiler Area - PC1 - Approved

Hello,

The Ivanpah submittal "ELEC-1-10.06 - Underground Raceway Plan for Nighttime Preservation Boiler 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.

Respectfully,

Jamie Saldana
Permit Technician – 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: jamie.saldana@us.bureauveritas.com
Sent: Friday, January 14, 2011 1:47 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: carlos.larios@us.bureauveritas.com; theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: ELEC-1-10.07 - Embedded/Underground Raceway Plan for 500kVA and 100kVA Transformers - PC1 - Approved

Hello,

The Ivanpah submittal "ELEC-1-10.07 - Embedded/Underground Raceway Plan for 500kVA and 100kVA Transformers - 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
Permit Technician – 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: jamie.saldana@us.bureauveritas.com
Sent: Friday, January 14, 2011 1:58 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: carlos.larios@us.bureauveritas.com; theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: ELEC-1-11.01 - Equipment Location Plans for Construction Power - PC2 - Approved

Categories: Blue Category

Hello,

The Ivanpah submittal "ELEC-1-11.01 - Equipment Location Plans for Construction Power - PC2, " has been reviewed and approved, you will find the documents on BVnet under the respective title, feel free to contact me with any questions or concerns.

Respectfully,

Jamie Saldana
Permit Technician – 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
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Rudy, Holly

From: jamie.saldana@us.bureauveritas.com
Sent: Tuesday, January 18, 2011 1:58 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: ELEC-1-11.02 - Construction Facilities Electrical Equipment Installation Common Area - PC1 - Approved

Hello,

The Ivanpah submittal "ELEC-1-11.02 - Construction Facilities Electrical Equipment Installation Common 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.

Respectfully,

Jamie Saldana
Permit Technician – 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: jamie.saldana@us.bureauveritas.com
Sent: Friday, January 14, 2011 4:31 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: carlos.larios@us.bureauveritas.com; theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: ELEC-1-11.03 - Temporary Power Construction Facilities Layout - PC2 - Approved

Hello,

The Ivanpah submittal "ELEC-1-11.03 - Temporary Power Construction Facilities Layout - PC2, " has been reviewed and approved, you will find the documents on BVnet under the respective title, feel free to contact me with any questions or concerns.

Respectfully,

Jamie Saldana
Permit Technician – 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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Exhibit 17

CIVIL-1 CBO Approvals
Condition of Certification
CIVIL-1

Rudy, Holly

From: jamie.saldana@us.bureauveritas.com
Sent: Thursday, January 06, 2011 6:26 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: carlos.larios@us.bureauveritas.com; theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: Ivanpah -CIVIL-1-7.03 General Information - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Flagged

Hello,

The Ivanpah submittal "CIVIL-1-7.03 General Information - PC1," has been reviewed and approved, you will find the documents on BVnet under the respective title, feel free to contact me with any questions or concerns.

Respectfully,

Jamie Saldana
Permit Technician – 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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Exhibit 18

GEN-5 CBO Approvals
Condition of Certification
GEN-5

Rudy, Holly

From: jamie.saldana@us.bureauveritas.com
Sent: Thursday, January 20, 2011 2:26 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: Ivanpah - GEN-5-1.13 - Subcontractor Resp Engr - Pad Bond & Heliostat Assembly Building-Civil - PC1- Approved

Hello,

The Ivanpah submittal "GEN-5-1.13 - Subcontractor Resp Engr - Pad Bond & Heliostat Assembly Building-Civil - 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
Permit Technician – 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: jamie.saldana@us.bureauveritas.com
Sent: Monday, January 31, 2011 3:21 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: Ivanpah - GEN-5-1.14 - Subcontractor Resp Engr - Pad Bond & Heliostat Assembly Building, Mechanical - PC1

Hello,

The Ivanpah submittal "GEN-5-1.14 - Subcontractor Resp Engr - Pad Bond & Heliostat Assembly Building, Mechanical - 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
Permit Technician – 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
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Rudy, Holly

From: jamie.saldana@us.bureauveritas.com
Sent: Wednesday, January 26, 2011 11:16 AM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: Ivanpah -GEN-5-1.15 - Subcontractor Resp Engr - Pad Bond & Heliostat Assembly Building - Electrical - PC1 - Approved

Follow Up Flag: Follow up
Flag Status: Completed

Hello,

The Ivanpah submittal "GEN-5-1.15 - Subcontractor Resp Engr - Pad Bond & Heliostat Assembly Building - Electrical - 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
Permit Technician – 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
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Exhibit 19

WS-1 CBO Approvals
Condition of Certification
WS-1

Rudy, Holly

From: jamie.saldana@us.bureauveritas.com
Sent: Monday, January 10, 2011 4:21 PM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: carlos.larios@us.bureauveritas.com; theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: Ivanpah -WorkersSafety-1-1.00-PrelimConstFcltyFirePrtct-PC3 - Partially Approved / Comments

Categories: Blue Category

Hello,

The Ivanpah submittal "WorkersSafety-1-1.00-PrelimConstFcltyFirePrtct-PC3," has been reviewed, partially approved and issued comments, you will find the documents on BVnet under the respective title, feel free to contact me with any questions or concerns.

Respectfully,

Jamie Saldana
Permit Technician – 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
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Rudy, Holly

From: jamie.saldana@us.bureauveritas.com
Sent: Wednesday, January 19, 2011 11:18 AM
To: Fairhall, Christopher; Ravotta, Christian; Maniyar, Lisa; Rudy, Holly; Frankert, Thomas
Cc: theresa.gutierrez@us.bureauveritas.com; keith.long@us.bureauveritas.com; bruce.boyer@us.bureauveritas.com; nancy.sheperd@us.bureauveritas.com; terry.vosler@us.bureauveritas.com
Subject: WorkersSafety-1-1.00-PrelimConstFcltyFirePrtct-PC4- Approved

Hello,

The Ivanpah submittal "WorkersSafety-1-1.00-PrelimConstFcltyFirePrtct-PC4," 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
Permit Technician – 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
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Exhibit 20

Monthly Construction Safety Summary
Condition of Certification
Worker Safety - 3

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

Bechtel				Subcontractors		
First Aid	Recordable	Lost Time		First Aid	Recordable	Lost Time
1	0	0		0	0	0

A first-aid case occurred on 13 January 2011. An electrician was lowering a light plant when the bolt holding the safety latch in place came loose causing the handle to come free from his hand and spin rapidly due to the weight of the light mast being uncontrolled. The handle of the crank struck the employee on the top of his lower forearm resulting in a contusion. The employee was seen offsite to verify that there was no fracture and returned to work with no restrictions. The vendor was contacted and replaced the nuts on these bolts with mylar nuts to prevent recurrence of this event.

Work Completed

- Project Environmental Safety and Health (ES&H) orientation and Work Environmental Awareness Program (WEAP) training were conducted for approximately 112 people during the month of January.
- Fall Protection, Scaffold User, and Confined Space training were conducted for newly hired Bechtel Craft and subcontractor trailer personnel as required.
- Response was received from the CBO and that WS 1 submittals were accepted with no further action required from Bechtel.
- Bechtel Worldwide Safety Awareness Pause for Crane Awareness was conducted.

Work In Progress

- Preparing revision to Emergency Response Plan and Incident Notification Plan.
- Continuing set-up of Bechtel ES&H and First-Aid Clinic.
- Preparing Supervisor Safety Training.
- Preparing facilities for on-site drug and alcohol testing.

Work to be During the Next Reporting Period

- Conduct Supervisor Safety training for applicable personnel.
- Prepare for implementation of Zero Accident Team.
- Establish orientation and trailer training for use and begin decorating trailer with examples of PPE, fall protection, signage, etc. as training aids.