

DOCKETED

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Project Title:	Ivanpah Solar Electric Generating System (Compliance)
TN #:	202461
Document Title:	Monthly Compliance Report No. 44 - May 2014
Description:	N/A
Filer:	Karen Mitchell
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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. 44

May 2014
Reporting Period

Submitted
June 13, 2014

energyservices an NRG service
On behalf of Solar Partners I, II, and VIII LLC

Prepared by: Mary Huizar
ISEGS Site Compliance
100302 Yates Well Road
Nipton, CA 92364

June 13, 2014

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

RE: Ivanpah Solar Electric Generating System (07-AFC-5C)
Condition of Certification COMP-6: May, 2014 Monthly Compliance Report No. 44

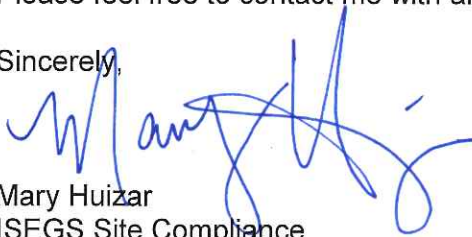
Dear Mr. Douglas,

Please find attached the Monthly Compliance Report #44 for the Ivanpah Solar Electric Generating System for the month of May, 2014 for your review and comment. The template you provided was used as a basis for this report along with the requirements included in Condition of Certification COMP-6. This document also includes the following monthly reports required under the project Conditions of Certification:

Exhibit 4 Air Quality Monthly Monitoring Report
Exhibit 9 Biological Resources Monthly Monitoring Report

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

Sincerely,



Mary Huizar
ISEGS Site Compliance
100302 Yates Well Road
Nipton, CA 92364

Phone (760) 718-8294
Fax (510) 550-8468

Cc: Mike Ahrens, Bureau of Land Management, Needles, CA
Dr. Larry LaPre, Bureau of Land Management, Moreno Valley, CA
Tim Fisk, NRG, Houston, TX
Paul Zavesoff, NRG, Carlsbad, CA
Raymond Kelly, NRG, Carlsbad, CA
Randall Hickok, NRG, Carlsbad, CA
David Beaudoin, NRG, Ivanpah
Shankara Babu, NRG Operations, Ivanpah
Joe Conkling, Google, Mountain View, CA



Cc: Continued

Douglas Davis, NRG Operations, Ivanpah

Document Control Mgr. BSE, Oakland, CA

Susan Coddington-Allen, Bureau Veritas, Sacramento

Alyse Getty, Parsons, Denver, CO

John Carrier, CH2MHill, Sacramento, CA

June 13, 2014

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 COMPLIANCE-6: Final Monthly Compliance Report
May 2014, Monthly Compliance Report No. 44

Dear Mr. Douglas,

Please find attached the Ivanpah Solar Electric Generating System's ("ISEGS") Final Monthly Compliance Report, Monthly Compliance Report Number 44 covering the month of May 2014. The template you provided was used as a basis for this report, along with the requirements included in Condition of Certification COMPLIANCE-6 of the California Energy Commission's ("Commission") Final Decision certifying ISEGS.

Condition of Certification COMPLIANCE-6 provides that the project owner shall submit Monthly Compliance Reports "[d]uring pre-construction and construction of each power plant." Thereafter, once "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." (ISEGS Final Decision, Condition of Certification COMPLIANCE-7.)

All three units have completed construction and started commercial operation. Construction is defined as "[o]n-site work to install permanent equipment or structures for any facility." (ISEGS Final Decision, p. 4.) Installation of all permanent equipment and structures for ISEGS was completed on May 31, 2014. Therefore, construction of ISEGS is complete.

For "compliance monitoring purposes", the start of commercial operations "begins after the completion of start-up and commissioning, when each of the power plants has reached reliable steady-state production of electricity at the rated capacity. At the start of commercial operation, plant control is usually transferred from the construction manager to the plant operations manager." (ISEGS Final Decision, p. 5.) Start-up and commissioning activities for ISEGS commenced in April 2013. ISEGS reached reliable steady-state production of electricity at the rated capacity and declared commercial operations under the power purchase agreement on January 10, 2014 for Unit 1, January 31, 2014 for Unit 2, and January 15, 2014 for Unit 3. Plant control of ISEGS was transferred from the construction manager to the plant operations manager on December 30, 2013 (Ivanpah #1) and December 31, 2013 (Ivanpah #2 and #3). Therefore, ISEGS has started commercial operations.

In accordance with Condition of Certification COMPLIANCE-7, the project owner proposes that the first Annual Compliance Report for the ISEGS be due on June 1, 2015, and every year thereafter, unless otherwise specified by the Bureau of Land Management's Authorized Officer and the Commission's Compliance Project Manager.

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

Sincerely,

Tim Fisk
Digitally signed by Tim Fisk
DN: cn=Tim Fisk, o=NRG Energy, Inc.,
ou=Engineering and Construction,
email=Tim.Fisk@nrgenergy.com, c=US
Date: 2014.06.13 09:54:04 -07'00'

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. 44

**May 2014
Reporting Period**

Submitted June 13th, 2014

**Prepared by: Mary Huizar
ISEGS Site Compliance
1999 Harrison Street, Suite 2150
Oakland, CA 94612**

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Exhibit 1

Monthly Compliance Report Summary

ISEGS MCR #44

May 2014 Reporting Period

MONTHLY COMPLIANCE REPORT SUMMARY

1. Environmental Compliance Issues

a. SWPPP Storm water Pollution Prevention Plan Issues

Biologists reported the following:

There was one rain event during the month, on May 6. The event did not produce measurable precipitation at the CLA rain gauge, but recorded .12 inches at the husbandry pens.

b. Environmental Safety & Health

➤ Safety Incidents

5/8/14 Injury, Possible insect bite - Employee was sitting in a training room and felt a sting on his leg. When he checked his leg, he found an insect that he quickly brushed away. The employee refused medical treatment and the area healed without further issue.

5/21/14 Near Miss, Minimum Vehicle damage, no injuries - Contract employee was parking a buggy in front of a personally owned vehicle (POV) and misjudged the angle of entry. The buggy scraped the front driver's side bumper of the POV causing bumper damage and breaking the light assembly. Contractor stated she doesn't like to use the reverse due to the stiffness of the pedal. Contractor to undergo Driver's safety training.

Vehicle repair estimates are approx. \$1500.00.

Employee Data	Injury	Recordable	Near Miss
Last Month	1	0	0
YTD	1	0	2

Contractor Data	Injury	Recordable	Near Miss
Last Month	0	0	1
YTD	0	0	5

Parameter	Value
Experience Modification Rate	0.78
Contractor Zero Tolerance Violations	0
Hazard Card Count (month):	10
Near-miss count (month):	1
Days since last recordable incident:	999
Days since last lost time incident:	999
Safety training topic count (month):	2
Inspections/audits/SPS count:	3
Supervised Contract Employee Count:	9
NRG O&M employee count:	62
Total hours worked for the month (NRG and Contractor):	38,928
Year to date hours worked (NRG and Contractor):	146,765
OSHA/FD Inspections/Visits for the month:	0

c. Biological Updates

1. Biological monitoring by authorized Biologists of all construction activities continued, including all required animal husbandry in accordance with the requirements within the Conditions of Certification, results are reported in this MCR in Exhibit 9.
2. All special status plants within the rare plant transplantation area were monitored and maintained in accordance with the Special Status Plant Plan.
3. The Animal Husbandry Plan was implemented within the tortoise pens as well as in other required areas on site.
4. The EMP plan was implemented on-site.
5. During the month of May all telemetered tortoises on site were radio tracked on a bi-monthly basis (per the terms of the June 10, 2011 Biological Opinion).
6. A total of 24 tortoises were unaccounted for in May. Five of the 24 unaccounted for tortoises are from the holding pens. See Table 5, Desert Tortoise Master List for all Tortoises Encountered and Marked Between January 1, 2014 and May 31, 2014, for the current disposition of all project tortoises. Biologists will continue to listen for radio

signals for the missing tortoises with transmitters and will look for them in the field when conducting scheduled surveys and monitoring. Husbandry personnel will continue to search for the missing juvenile tortoises in the holding pens. Details included in Exhibit 9.

7. Kit Fox activity on site was monitored and details are included in Exhibit 9.
8. Health assessments were performed on monitored desert tortoises in the holding pens in May, 2014. Further details can be found in Exhibit 9.
9. All other flora and fauna notifications and further details are included in Exhibit 9 Biological Summary Report.

d. Agency Notifications and Submittals

- 1) **MCR** Monthly Submittal- 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, and Exhibit 9: Biological Resources Monthly Monitoring Report
- 2) **Biological** Submittals, if any, are attached to Exhibit 9.
- 3) **Cultural** Notifications, if any, are included in Exhibit 7.
- 4) **Paleontological** Notifications, all conditions have been satisfied and no further Paleo reporting is required.
- 5) **SWPPP** Notifications are included in Exhibit 5.
- 6) **FAA** Notifications regarding any outages of the FAA lights on top of the three Towers continued as required.
- 7) **COMP-6** Final ISEGS MCR Notification is being presented to the CEC with this report (letter attached at the front of this report, as well as in Exhibit 13)

The following **TABLE 1** includes Actions including plan or report submittals that were made up to the end of this reporting period in compliance with the project's **Conditions of Certification**.

TABLE 1 ACTIONS THAT SATISFIED THE CONDITIONS OF CERTIFICATION Revised 6/10/14		
Condition	Actions that Satisfied the Condition	Date Submitted
AQ-5	Unit 1 Auxiliary Boiler Performance test date for tower stack emissions was revised to April 9, 2013, and notification made to Agencies for approval.	04/03/13

AQ-5	Unit 1 Auxiliary Boiler Performance test results for tower stack emissions were submitted to the Agencies on 5/15/13, along with the Coriolis Fuel Meter Verification for the Unit 1 Fuel Gas	05/15/13
AQ-5	Unit 1 Auxiliary Boiler Stack emission initial performance testing was completed, the associated draft summary report has been submitted for internal review. Stack Emission re-test was completed on 9/12/13. Test Report was submitted on 11/6/13.	04/09/13 11/6/13
AQ-5	Unit 2 Auxiliary Boiler Performance Testing protocol and anticipated test date (6/2/13) was submitted. Notified MDAQMD on 7/31/13 for extension of Initial Performance Test date to 10/11/13. Approved on 7/31/13. Initial Performance Test was completed on 8/24/13. Emissions test report was submitted on 10/16/13.	04/30/13; 07/31/13; 10/16/13
AQ-5	Unit 3 Auxiliary Boiler Performance Testing Protocol and anticipated test date (First week of July 2013) was submitted. Notified MDAQMD on 7/31/13 for extension of Initial Performance Test date to 10/11/13. Approved on 7/31/13. Initial Performance Test was completed on 9/10/13. Stack Emissions Test Report was submitted on 10/23/13.	05/07/13; 07/31/13; 10/23/13
AQ-7	Submitted responses and received Revised DRAFT ATC documents from MDAQMD, Received approval of AQ amendment and ATC permits changes(2/13/13)	11/30/12; 02/13/13
AQ-7	Submitted Notifications of Anticipated First Fire of Unit 1, 2 and 3 of Auxiliary Boiler & Draft Compliance/Testing Plan for Units 1, 2 & 3	08/21/12, 01/18/13, 04/03/13
AQ-7	Submitted Notification of Actual First Fire Date of Unit 1 Auxiliary Boiler FF DATE:11/18/12	11/28/12
AQ-7	Submitted Notification of Actual First Fire Date of Unit 2 Auxiliary Boiler FF DATE:01/29/13	01/30/13
AQ-7	Submitted Notification of Actual First Fire Date of Unit 3 Auxiliary Boiler FF DATE:4/06/13	04/09/13
AQ-9	Submitted plans on how the measurements and recording will be performed by the chosen monitoring system	08/21/11
AQ-10	Submitted Emissions Estimation Plan to MDAQMD and CEC on 11/18/13	11/18/13
AQ-12	Annual fuel use for the Auxiliary Boilers and Nighttime Preservation Boilers shall not exceed 328 MMSCF of Natural Gas. Record logs are being kept and monitored. Amendment revised limits.	03/13/13 date of amend.; Completed 2013; Ongoing 2014
AQ-15	Specifications for the 3 Emergency Fire Pump hour timers for each power block were submitted	06/26/11
AQ-19	Specifications for the 3 Emergency Fire Pump engines for each power block were submitted,	06/06/11; 02/28/12

AQ-22	Submitted specifications for Unit 1, Unit 2 and Unit 3 Emergency Generators hour meter	9/26/11; Rev. 2/28/12
AQ-26	Submitted EDG engine specifications engines for each Unit's Power	2/9/11, 2/28/12
AQ-37	Submitted Common Logistics Area EDG hour meter specifications.	3/21/13
AQ-41	Submitted Common Logistic Area EDG engine specifications.	3/21/13
AQSC-2	Submitted AQCMP to BLM on 10/7/10. Approved on 12/20/10. Revision 1 was submitted to CEC on 3/11/11. Revision 2	10/7/10
AQSC-2	Implemented the Air Quality Construction Mitigation Plan (AQCMP) as approved on 6/2/2011.	06/02/11
AQSC-3	Submitted documentation of compliance with the Air Quality Construction Mitigation Plan	04/11/13
AQSC-4	Submitted documentation of compliance with the Dust Plume Response Requirement	04/11/13
AQSC-5	Submitted New ATC Permits to CPM by Sierra Research. ATC Permits will expire on 10/31/13.	12/03/12
AQSC-6	Submitted Off-road vehicles for mirror washing activities plan	08/22/13
AQSC-7	Submitted Site Operations Dust Control Plan to CEC / BLM.	08/27/13
AQSC-8	Submitted Construction Mitigation Report demonstrating compliance with the AQCMP	04/11/13
AQSC-8	Submitted copies of Authority To Construct (ATC) to CEC on 11/19/13.	11/19/13
AQSC-9	Specifications for the Emergency Fire Pump and Emergency Generator for each power block were submitted on June 2, 2011 and for the CLA emergency Generator in March 2013	06/02/11; 03/21/13
BIO-8	Submitted documentation of implementation of the measures in the BRMIMP, updated Approved plans	04/11/13
BIO-9	Fall 2012 Translocation of 17 Desert Tortoises took place pursuant to BO 8-8-10-F-24R and COC BIO-9 Disposition Plan for Fall 2012 Translocation Plan which was submitted to CEC, BLM, USFWS, and CDFG.	09/23/12
BIO-9	Revised Husbandry Plan (Rev. 1) was submitted on 12/3/12. Approved on 1/30/13	12/3/12
BOp	Spring Health Assessments on the 423 Desert Tortoises were completed between May 12 and June 1 st , 2013 per the 2011 Biological Opinion	5/12/13 to 06/01/13 Ongoing for 2014

BIO-10, BIO-14, BIO-18	Submitted the 2012 Annual Biological Compliance Reports Dated January 2013. Submitted Annual Biological Compliance Report Dated January 2014	01/29/13 1/31/2014
BIO-11	Submitted documentation of implementation of the measures in the BRMIMP	04/11/13
BIO-12	Submitted Raven Management Plan Rev 4 ("Approved" 1/17/13-& 1/29/13 yet does not require approval-living doc)	10/17/12/ 10/29/12
BIO-19	Submitted Avian and Bat Monitoring and Management Plan to CPM, USFWS and CDFG. Rev. 1 submitted on 10/2010; Rev. 2 submitted on 5/2011; Rev. 3 submitted on 2/2012.	10/2010; 05/2011; 02/2012
BIO-21- CEC	Submitted Nelson's Bighorn Sheep Mitigation Plan to BLM, CPM and CDFG. Revision 1 was submitted on 01/12 and was approved on 10/2/12.	07/03/10; 01/2012
CIVIL-1	Submitted list of all general design documents approved by the CBO in MCR	09/15/13
COMP-5	Submitted Compliance Matrix containing all Conditions of Certification - Pre-Construction, Construction and Operations in the MCR	09/15/13
COMP-6	Submitted the Monthly Compliance Report	5/14/2014
COMP-13	Submitted On-site Contingency Plan required for unplanned temporary closure. Approved in March 2013 via email to JW.	09/15/13
CUL-5	Submitted list of all persons having completed WEAP/Biological training in the MCR	09/15/13
CUL-7	Submitted Cultural Resources Monitoring Report for reporting period in the MCR	09/15/13
HAZ-1	Submitted Notification of Chem Clean Chemicals to be brought on- site and utilized at Ivanpah Units 1, 2 and 3 for the Boilers.	09/26/12 11/01/12 12/14/12
HAZ-1	ISEGS HAZ-1 and HAZ-2 Refrigerant for HVAC MSDS Notification	6/18/13
HAZ-2	Submitted Notification of Chem Clean Chemicals to be brought on- site and utilized at Ivanpah Units 1, 2 and 3 for the Boilers.	09/26/12 11/01/12 12/14/12
HAZ-2	Submitted the Hazardous Materials Business Plan for Operations. BLM approved on 4/23/13; CEC approved on 5/15/13.	02/13/13
HAZ-2	ISEGS HAZ-1 and HAZ-2 additional chemical Notification NALCO H550 & NALCO TRAC107 Plus	07/03/13
HAZ-3	Submitted the Safety Management Plan for Operations, Approved by BLM 6/13/13	04/29/13

LAND-1	BLM issued ROW grants: CACA 049502 (CLA) – 10/7/10; CACA 049504 (Unit 1) – 10/7/10; CACA 048668 (Unit 2) – 10/7/10; CACA 049503 (Unit 3) – 10/7/13; CACA 049502 Amend. #1 – 3/14/11; Amend. #2 – 3/9/12; Amend. #3 – 5/2/12; Amend. #4 – 3/26/13 and Amend. #5 – 4/16/13	10/04/10; 03/14/11; 03/09/12; 05/02/12; 03/26/13; 04/16/13
LAND-3	Solar/Ecological Interpretive Center Plan was submitted to BLM on 9/23/13. BLM approved on 9/23/13. The Plan was submitted to CEC on 9/25/13	09/23/13; 09/25/13
NOISE-7	Submitted Notifications for Steam Blows at each Unit Unit 1 Phases 1 and 2 Unit 2 Unit 3	02/06/13, 02/21/13 03/20/13 04/09/13
PAL-4	Submitted list of all persons having completed WEAP/Paleo training in the MCR	04/11/13
PAL-5	Submitted Paleontological Resources Monitoring Report for reporting period in the MCR	04/11/13
S&W-4	Submitted the Semi-Annual Groundwater Usage Summary, and revised Semi-Annual Usage Report in June 2013	04/20/12 11/15/12;06/01/13
S&W-2	Submitted Site Operations Industrial Storm Water Pollution Prevention Plan (SWPPP) to CEC/BLM	08/27/13
S&W-5	Submitted Storm Water Damage Monitoring & Response Plan for site Operations to CEC/BLM	08/27/13
S&W-6	Monitoring of the 3 ISEGS Wells as part of quarterly monitoring required in the GMRP	11/20/12 12/20/12 02/18/13 05/01/13
S&W-6	ISEGS 2012 Annual Groundwater Monitoring Report was originally submitted on May 1, 2013, and also resubmitted to the Agencies and Revised on June 5, 2013 (REV 1) with a new water usage table with corrected amounts from Bechtel. This usage information is also provided in the MCR after the submittal letter.	05/01/13; 6/05/13
S&W-8	Submitted Sanitary Waste System Plan	3/25/13
TRANS-3	Submitted the Heliostat Positioning Plan.	01/14/13
TRANS-3	Submitted Revision 1 of the Heliostat Positioning Plan, Approved by BLM 6/13/13. Revision 1 submitted on 9/13/13. Approved by CEC on 12/10/13.	04/22/13/ 9/13/13
TRANS-4	Submitted the Power Tower Luminance Plan, Approved by BLM 6/13/13. Revision 1 submitted on 9/13/13. Approved by CEC on 12/10/13.	04/05/13/ 9/13/13

TRANS-5	FAA Notifications resulting in NOTAMS for Jean Airport continued as necessary if FAA lights were out for more than 30 minutes on any of the Three Unit Towers.	10/28/12 thru 6/30/13
TRANS-6	FAA Notification: 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. FAA has previously issued Determination of No Hazard	02/12/13
TSE-7	Submitted As-Built engineering description of the electrical, mechanical, structural and civil portion of the transmission facilities.	11/19/13
VIS-4	An Amendment to the Visual Resources Mitigation Plan was submitted in accordance with VIS-4 on 11/02/12 and Approved on 01/29/13	11/02/12
WASTE-4	Hazardous Waste Generator Identification Number was obtained from USEPA on 9/27/13	09/27/13
WASTE-6	Operations Waste Management Plan was submitted to CEC and BLM on 9/24/13.	09/24/13
WORKER SAFETY-2	Submitted Project Operations Safety and Health Program to BLM's Authorized Officer and the CPM.	11/19/13
WORKER SAFETY-3	Submitted list of all person having completed safety training during reporting period in the MCR	04/11/13
WORKER SAFETY-3	NOTIFICATION OF Worker Safety-3 New ISEGS Project Construction Safety Supervisor CHANGE 6/10//13 JOHN FANTO TO CAROLYN CREECH CRAIN	6/10/13
WORKER SAFETY-3	NOTIFICATION OF Worker Safety-3 New ISEGS Project Construction Safety Supervisor CHANGE 12/17//13 CAROLYN CREECH CRAIN to TONY SHELEY	12/17/13

e. Important Meetings/Activities

1. Ongoing meetings continued with agencies regarding final plans and approvals for 50/50, and Visitor Information Center.

f. Regulatory Decisions/Approvals

- There were no decisions or approvals made in May, 2014.

g. Formal Complaints, Warnings, NOVs or Citations

There were no complaints, warnings, NOVs or citations in May, 2014.

h. ISEGS Compliance File

The Ivanpah SEGS on-site compliance file is maintained at the project site by the Ivanpah Solar Thermal Environmental Specialist III Douglas Davis and Site Compliance Assistant, Mary Huizar. 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 and any Revisions
- All approved BLM Verification Change Request Forms
- WEAP Training Booklet, Training Sheets, and Training Log
- CRMMP- Cultural Resources Mitigation and Monitoring Plan
- BRMIMP- Biological Resources Mitigation, Implementation and Monitoring Plan
- PRMMP- Paleontological Resources Mitigation and Monitoring Plan
- DT Translocation Plan
- Burrowing Owl Mitigation and Monitoring Plan,
- Animal Husbandry Plan
- AQCMP-Air Quality Compliance and Mitigation Plan
- 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
- On-Site Contingency Plan
- Special-status Plant Protection and Monitoring Plan
- Special-status Plant Remedial Action Plan
- BIO-9 Compliance Status Reports-included in MCRs
- Special-Status Plants Annual Reports
- Unplanned Temporary or Permanent Closure/On-Site Contingency Plan
- Heliostat Positioning Plan-Rev 1
- Groundwater Monitoring and Reporting Plan
- Annual Groundwater Monitoring Reports
- All Monthly Compliance Reports
- SWPPP Annual Reports
- Semi-Annual Groundwater Usage Reports
- Annual Biological Summary Reports
- DOE Annual Summary Environmental Compliance Report
- Power Tower Luminance Plan
- Hazardous Materials Management Plan

- Visual Resources Mitigation Plan (Lighting Plan w/Nighttime Amendment)
- Safety Management Plan
- CUPA (Certified Unified Program Agency) Annual Permit for Facility #FA0014961 from San Bernardino County Fire Protection District

Exhibit 2

Ivanpah SEGS

TCO Punch List

Condition of Certification-Comp-6

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ISEGS PROJECT PUNCH LISTS SUMMARY

FACILITY	CBO				TOTAL
	1st PRIORITY	2nd PRIORITY	CBO APPR. NOT REQ'D	CLOSED (APPROVED)	
UNIT 1	110	177	1,639	4,544	6,470
	1.7%	2.7%	25.3%	70.2%	
UNIT 2	221	150	1,710	4,310	6,391
	3.4%	2.3%	26.4%	66.6%	
UNIT 3	358	335	1,904	3,754	6,351
	5.5%	5.2%	29.4%	58.0%	
COMMON AREA	53	34	321	577	985
	0.8%	0.5%	5.0%	8.9%	
OVERALL	742	696	5,574	13,185	20,197
	3.7%	3.4%	27.6%	65.3%	100.0%

IVANPAH PROJECT PUNCH LISTS - UNIT 1

Approved	4,526	110	1st Priority
Disapproved	370	177	2nd Priority
Closed	1,657	1,639	CBO App. NR
		4,544	Closed
Total		6,553	6,470

367618		MAXIMUM PUNCH LIST ITEM NUMBER				4,544		Closed			
6,331		4,091		TOTAL PUNCH LIST ITEMS		Total		6,553		6,470	
SYSTEM	INSPECTION REPORT #	ITEM #	E_ID / AREA TO BE INSPECTED	PUNCH LIST DATE June 5, 2014 DESCRIPTION / COMMENTS	STATUS	PRIORITY	CBO DATE & INITIAL	CBO/INSPECTOR SIGNATURE	NOTES	BECHTEL'S DISCIPLIN E	
1AA1	932	85111	1AA1, Steam Drum, Steam Generator Panels	LEVEL 14; NE CORNER ABOVE VALVE V3017, SUPPORT HARDWARE IS LOOSE	Disapproved	2nd Priority				MECH	
1AA1	932	85114	1AA1, Steam Drum, Steam Generator Panels	LEVEL 8 1/2; 1AA-HV-5457A, PIPE SUPPORT ON EAST SIDE	Disapproved	2nd Priority				MECH	
1AA1	932	85137	1AA1, Steam Drum, Steam Generator Panels	LEVEL 15; NORTH DRUM PRV, VENT DRAIN PIPE HANGER HAS LOOSE HARDWARE	Disapproved	2nd Priority				MECH	
1AB2	753	89601	1AB2, CRH Line needed to support Chemical Clean	1-AB-TE-0125 IS LOOSE	Disapproved	2nd Priority				SU-INSTR	
1AD2	1077	87999	System 1AD2 Condensate System	NO ACCESS ON SOUTH SIDE OF MAIN VACUUM PUMP SKID 001-AR-MS-101 IT IS NOT POSSIBLE TO STAND ON THE SOUTH SIDE OF THE SKID AND OPEN THE ENCLOSURE DOOR, DUE TO THE LACK OF CONCRETE IN THIS AREA. PROVIDE ACCESS AND WORKING CLEARENCES AS REQUIRED BY CEC SECTION 110.26 AND/OR 110.30.	Disapproved	2nd Priority				PE	
1AD3	782	363795	1AD3, Remaining Air Cooled Condenser System	PROVIDED PRESSURE TEST OR IN SERVICE LEAK TEST DONE ON PIPING IN THIS SYSTEM	Disapproved	1st Priority				INSTR	
1AD4	1080	254267	System 1AD4 Condensate System	1-AD-V-825 IS LEAKING	Disapproved	2nd Priority				SU-MECH	
1AD4	1080	254268	System 1AD4 Condensate System	1-AD-V-826 IS LEAKING	Disapproved	2nd Priority				SU-MECH	
1AD6	1085	87097	System 1AD6 Condensate System	REPAIR LEAKING THREADED CONNECTION ON TE 5457 TO TW	Disapproved	2nd Priority				INSTR	
1AE2	1090	82236	System 1AE2 Feed Water System	OIL LEAK INPUT SHAFT FLUID COUPLING	Disapproved	2nd Priority				MECH	
1AE2	1090	254582	System 1AE2 Feed Water System	1-AE-HV-2032 IS LEAKING	Disapproved	2nd Priority				SU-INSTR	
1AE3	790	80859	1AE3, Main Boiler Feed Pump (MBFP)	BOILER FEED PUMP (1-AE-MP-001)	Disapproved	1st Priority					
1AJ1		87607		THREADED CAP ON VENT VALVE OFF 001-AJ-MP-002B IS LEAKING	Disapproved	2nd Priority				SU-MECH	
1AK1	806	87047	1AK1, Condensate Polishers (excluding bypass)	INSTALL RUPTURE DISC AND ASSOCIATED PIPE SPOOL	Disapproved	2nd Priority				SU-MECH	
1AK1	806	87053	1AK1, Condensate Polishers (excluding bypass)	INSTALL MISSING PI 2034	Disapproved	2nd Priority				SU-MECH	
1AK1	806	257508	1AK1, Condensate Polishers (excluding bypass)	RFI WRITTEN FOR 1AK1 REGARDIUNG VACUUM SYSTEM HAS NOT BEEN ANSWERED BY ENGINEERING AND RAISES A SAFETY CONCERN.	Disapproved	2nd Priority				PE	
1AR01	962		Unit 1 WT Area - 1AR01	Install protective cover for conductors to 6' above finish grade at transitions from underground conduits to cable tray. Not Ready (6+) locations MS	Disapproved	1st priority	2/27/14 CG 3/26/14 TV 4/10/14 MS		Bechtel - 3/19/14: <i>As agreed between Andy and Tim/Dave, Final punch-list issued on 1/31/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.</i> CBO 3/26/2014: yes this is related to and part of the cable tray inspection.		
1AR01	962	366543	Unit 1 WT Area - 1AR01	DRAIN GRATES AT ALL INDIRECT WASTE OPENINGS - NOT READY	Disapproved	2nd Priority	4/10/14 MS				
1AR01	962	366549	Unit 1 WT Area - 1AR01	LANDINGS, STAIRS, RAILINGS, STEPS, RISERS, GUARDRAILS TO COMPLY WITH CBC CHAPTER 10 - Not Ready - RISER VARIATION OVER 1 IN. EAST SIDE FIRE PUMP HOUSE AND MISSING TOE PLATES AT STAIRS PER CBC 1009.3.3, LANDING AT DOORS TO BE LEVEL AT DEMIN UNLOADING PER CBC 1008.1.4 - NOT DONE	Disapproved	1st Priority	3/20/14 MS 5/2/14 RLS				
1AR01	962	88765	Unit 1 WT Area - 1AR01	THE DRAIN OPENING THROUGH THE CURB JUST UPSTREAM OF VALVE V039 NEEDS TO BE LOWERED IN THE CUT OUT SUMP INSIDE THE CURB. IT LOOKS LIKE THEY INSTALLED THE DRAIN HOLE THEN LATER CAME IN AND CHIPPED OUT THE SMALL SUMP IN THE CORNER - NOT READY - BECHTEL NEEDS TO SUPPLY APPROVED FOUNDATON PLANS FOR CBO REVIEW TO CONFIRM INSTALLATION IS PER THE APPROVED PLANS OR NOT - NO CHANGE	Disapproved	2nd Priority	4/10/14 MS 5/2/14 RLS			CIVIL	
1AR01	962	88766	Unit 1 WT Area - 1AR01	THE DRAIN OPENING THROUGH THE CURB JUST UPSTREAM OF VALVE V040 NEEDS TO BE LOWERED IN THE CUT OUT SUMP INSIDE THE CURB. IT LOOKS LIKE THEY INSTALLED THE DRAIN HOLE THEN LATER CAME IN AND CHIPPED OUT THE SMALL SUMP IN THE CORNER - NOT READY - BECHTEL NEEDS TO SUPPLY APPROVED FOUNDATON PLANS FOR CBO REVIEW TO CONFIRM INSTALLATION IS PER THE APPROVED PLANS OR NOT - NO CHANGE	Disapproved	2nd Priority	4/10/14 MS 5/2/14 RLS			CIVIL	

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1AR01	962	88767	Unit 1 WT Area - 1AR01	THE DRAIN OPENING THROUGH THE CURB JUST UPSTREAM OF VALVE V051 NEEDS TO BE LOWERED IN THE CUT OUT SUMP INSIDE THE CURB. IT LOOKS LIKE THEY INSTALLED THE DRAIN HOLE THEN LATER CAME IN AND CHIPPED OUT THE SMALL SUMP IN THE CORNER. - NOT READY - BECHTEL NEEDS TO SUPPLY APPROVED FOUNDATION PLANS FOR CBO REVIEW TO CONFIRM INSTALLATION IS PER THE APPROVED PLANS OR NOT - NO CHANGE	Disapproved	2nd Priority	4/10/14 MS 5/2/14 RLS			CIVIL
1AR01	962	252532	Unit 1 WT Area - 1AR01	PER CBO, A LANDING PLATFORM NEEDS TO BE INSTALLED ON THE SOUTH SIDE OF THE DEMIN SWAS ENCLOSURE. THE LANDING MUST BE 36" MINIMUM DEEP AND LEVEL WITH THE FLOOR OF THE ENCLOSURE AND PROVIDE STEPS DOWN TO GRADE. SEE CBC SECTIONS 1002 – DEFINITIONS, 1003.5 – ELEVATION CHANGE, 1008.1.4 – FLOOR ELEVATION AT DOORS, 1008.1.5 – LANDINGS AT DOORS, 1008.1.6 – THRESHOLDS AND 1009. NOT READY - NOT DONE. LANDINGS SHALL HAVE A LENGTH MEASURED IN THE DIRECTION OF TRAVEL OF NOT LESS THAN 44 INCHES.	Disapproved	1st Priority	4/10/14 MS 5/2/14 RLS 5/29/14 SH			OPS
1AR02	1218		1AR02 Area, Cable Tray Scope, Under ACC Deck	CABLE TRAY COVER/PROTECTION INCOMPLETE @ 17210THG03	Disapproved	1st Priority	2/28/14 RLS 3/26/14 TV		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 1/31/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO 3/26/2014: yes this is related to and part of the cable tray inspection.	
1AR02	1218		1AR02 Area, Cable Tray Scope, Under ACC Deck	CABLE TRAY COVER/PROTECTION INCOMPLETE @ 17210THF05	Disapproved	1st Priority	2/28/14 RLS 3/26/14 TV		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 1/31/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO 3/26/2014: yes this is related to and part of the cable tray inspection.	
1AR02	1218		1AR02 Area, Cable Tray Scope, Under ACC Deck	CABLE TRAY COVER/PROTECTION INCOMPLETE @ 17210THH03	Disapproved	1st Priority	2/28/14 RLS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 1/31/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO 3/26/2014: yes this is related to and part of the cable tray inspection.	
1AR02	1218		1AR02 Area, Cable Tray Scope, Under ACC Deck	CABLE TRAY COVER/PROTECTION INCOMPLETE @ 17210THJ03	Disapproved	1st Priority	2/28/14 RLS 3/26/14 TV		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 1/31/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO 3/26/2014: yes this is related to and part of the cable tray inspection.	
1AR02	1218		1AR02 Area, Cable Tray Scope, Under ACC Deck	CABLE TRAY SUPPORT SYSTEM INSTALLED AT THE WESTSIDE OF EEM HOUSE FOR CABLE TRAYS 17210THM01 THRU THM05, 17210THL01 THRU THL05 & 17210TMD01 THRU TMD05 HAS NO SUPPORTING BECHTEL ENGINEERING FOR AS IS CONDITION, PROVIDE ENGINEERING FOR AS IS CONDITION	Disapproved	1st Priority	2/28/14 RLS 3/26/14 TV		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 1/31/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO 3/26/2014: yes this is related to and part of the cable tray inspection.	

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1AR02	1218		1AR02 Area, Cable Tray Scope, Under ACC Deck	CABLE TRAY CONDUCTOR/CABLE PROTECTION IS INCOMPLETE @ 17210THR101B DOWN TO RIGID CONDUITS	Disapproved	1st Priority	2/28/14 RLS 3/26/14 TV		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 1/31/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO 3/26/2014: yes this is related to and part of the cable tray inspection.	
1AR02	1218		1AR02 Area, Cable Tray Scope, Under ACC Deck	CABLE TRAY CONDUCTOR/CABLE PROTECTION IS INCOMPLETE @ 17210THR104B DOWN TO RIGID CONDUITS	Disapproved	1st Priority	2/28/14 RLS 3/26/14 TV		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 1/31/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO 3/26/2014: yes this is related to and part of the cable tray inspection.	
1AR02	1218	84550	1AR02 Area, Cable Tray Scope	MISSING FIRE EXTINGUISHER. REFERENCE THE CFC. ACC EEM	Disapproved	1st Priority				SUBCON
1AR02	1218	89728	1AR02 Area, Cable Tray Scope	INSTALL SIGHT GUARD ON EVERY TOP STEP/PLATFORM OF THE ACC EAST AND WEST STAIR CASES. - NOT DONE	Disapproved	2nd Priority	5/2/14 RLS			CIVIL
1AR02	1218	257535	1AR02 Area, Cable Tray Scope	SKIM COAT WITH GROUT (1) STANDALONE DUCT SUPPORT FOUNDATION PIER WITH 8" DIAMETER PIPE COLUMN LOCATED JUST NW OF THE EDT/IDT PIT ON ELEVATION 100". - NOT DONE	Disapproved	2nd Priority	5/2/14 RLS			CIVIL
1AR02	1218	257952	1AR02 Area, Cable Tray Scope	ADD AGGREGATE SURFACING AND/OR FILL AT THE ELECTRICAL MANHOLE JUST WEST OF THE ACC EEM. APPARENT LOW SPOT THAT WON'T DRAIN.	Disapproved	2nd Priority				SUBCON
1AR02	1218	257967	1AR02 Area, Cable Tray Scope	REMOVE RIGGING ATTACHED TO ACC AT COLUMN AC-B BETWEEN AC-1 AND AC-2.	Disapproved	2nd Priority				SU-PIPING
1AR02	1218	362622	1AR02 Area, Cable Tray Scope	INSTALL PLATFORM AT TOP OF CONDENSATE NORTH LADDER - NOT READY - VALVES ARE INACCESSIBLE - NOT DONE VALVES ARE STILL INACCESSIBLE	Disapproved	1st Priority	3/20/14 MS 5/2/14 RLS			CIVIL
1AR02	1218	362633	1AR02 Area, Cable Tray Scope	ENVIRONMENTAL: EDT-IDT PIT SUMP PUMP DISCHARGE LINE MUST BE PIPED TO A DRAIN HUB. CAN NOT DISCHARGE TO GROUND AS CURRENTLY PIPED. - NOT DONE/NO CHANGE	Disapproved	2nd Priority	5/2/14 RLS			PIPING
1AR02	1218	362639	1AR02 Area, Cable Tray Scope	SAFETY: CONDENSATE POLISHER AIR LINE BETWEEN POLISHER A & B, CURRENTLY THE 1" LINE LIMITS ACCESS AND POSES A TRIP WHEN WALKING BETWEEN THE A & B POLISHER. REROUTE LINE OVERHEAD TO ELIMINATE HAZARD. - NOT DONE/NO CHANGE	Disapproved	2nd Priority	5/2/14 RLS			PIPING
1AR02	963		Unit 1 ACC Area - 1AR02 & 1AR03	INSTALL PROTECTIVE COVER FOR CONDUCTORS TO 6' ABOVE FINISH GRADE AT TRANSITIONS FROM UNDERGROUND CONDUITS TO CABLE TRAY.	Disapproved	1st priority	2/27/14 CG 3/26/14 TV 3/31/14 TV		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 1/31/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO 3/26/2014: yes this is related to and part of the cable tray inspection.	
1AR03	963	89721	Unit 1 ACC Area - 1AR02 & 1AR03	THERE ARE HIGH GRATING SECTIONS ON ACC CENTRAL WALKWAY BETWEEN STREET 2 AND STREET 3. ADJUST TO REMOVE TRIPPING HAZARDS. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			MECH
1AR03	963	89723	Unit 1 ACC Area - 1AR02 & 1AR03	THERE ARE HIGH GRATING SECTIONS ON ACC CENTRAL WALKWAY BETWEEN STREET 1 AND STREET 2. ADJUST TO REMOVE TRIPPING HAZARDS. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			MECH
1AR03	963	89726	Unit 1 ACC Area - 1AR02 & 1AR03	ON CENTRAL WALKWAY LADDERS FROM FAN DECK LEVEL THE TOP RUNG/PLATFORM STICKS OUT FARTHER THAN THE BELOW RUNGS. NOT READY - NO TOE KICKS TREAD DEPTH VARIES MIN OPEN STEP IS 9"	Disapproved	2nd Priority	3/20/14 MS 5/2/14 RLS			CIVIL
1AR03	963	362615	Unit 1 ACC Area - 1AR02 & 1AR03	AT NW CORNER STAIRWAY TOP PLATFORM, MOVE PHOTOCELL OFF UPPER RAIL OF RAILING PER CAL OSHA CODE 1910(E)(6). SEE OSHA REGULATIONS 29 CFR PART 1910 OCCUPATIONAL SAFETY AND HEALTH STANDARDS SUBPART D, SUBPART TITLE WALKING-WORKING SURFACES, STANDARD NUMBER 1910.21, TSECTIONS 1910.23, 1910.21(a)(4), 1910.23(e)(1), 1910.23(e)(6) AND CAL/OSHA Title 8, SECTIONS 3209(a), 3209(b) INCLUDING THE NOTE AND 3636(a). - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st Priority	5/2/14 RLS			ELECT

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1AR03	963	366556	Unit 1 ACC Area - 1AR02 & 1AR03	DRAIN GRATES AT ALL INDIRECT WASTE OPENINGS - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			
1AR03	963	366564	Unit 1 ACC Area - 1AR02 & 1AR03	THE LANDING ON BOTH ENDS OF THE AUX BOILER UPS/EEM IS NOT LEVEL WITH THE INTERIOR FLOOR. THERE IS A 2" STEP. PER CBO THIS IS NOT PERMISSIBLE. SEE CBC SECTION 1008.1.4 – FLOOR ELEVATION AT DOORS AND SECTION 1008.1.5 – LANDINGS AT DOORS. - NOT ON BECHTEL SUPPLIED PUNCH LIST . LANDINGS SHALL HAVE A LENGTH MEASURED IN THE DIRECTION OF TRAVEL OF NOT LESS THAN 44 INCHES.	Disapproved	1st Priority	3/20/14 MS 5/2/14 RLS 5/29/14 SH			
1AR04	964		Unit 1 Aux Boiler Area 1AR04	Install protective cover for conductors to 6' above finish grade at transitions from underground conduits to cable tray. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st priority	2/27/14 CG 3/26/14 TV 5/2/14 RLS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 1/31/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO 3/26/2014: yes this is related to and part of the cable tray inspection.	
1AR04	964	254038	Unit 1 Aux Boiler Area 1AR04	PA PIPING ON THE EAST SIDE OF THE AUX BOILER SLAB IN THE VICINITY OF VALVE 001-PA-V-161 IS IN AN AREA SUBJECT TO POTENTIAL DAMAGE. PROTECT THE PA PIPING IN THIS AREA OR PROVIDE ADDITIONAL SUPPORT. WORKER SAFETY ISSUE. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			PE
1AR04	964	254039	Unit 1 Aux Boiler Area 1AR04	THERE ARE TWO DRAIN LINES ON THE EAST SIDE OF THE AUX BOILER COMING DOWN FROM VESSELS ABOVE THE DRUM LEVEL THAT ARE CURRENTLY ROUTED IN TO A PLASTIC BUCKET. REROUTE LINES TO A PERMANENT DRAIN POINT. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			PE
1AR04	964	358658	Unit 1 Aux Boiler Area 1AR04	INSTALL RAIN HAT ON 001-PS-FG-016-119010 MAIN GAS SUPPLY SAFETY VENT. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			PIPING
1AR04	964	358673	Unit 1 Aux Boiler Area 1AR04	REPAIR VALVE 001-SA-V-832 THAT IS LEAKING THROUGH IN THE FUEL GAS AREA. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			SU-PIPING
1AR04	964	358675	Unit 1 Aux Boiler Area 1AR04	INSTALL RAIN HAT ON THE VENT LINE FOR AIR RECEIVER TANK #3 ON THE NE CORNER OF THE AUX BOILER FOUNDATION. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			PIPING
1AR04	964	358678	Unit 1 Aux Boiler Area 1AR04	CONNECT DISCHARGE PIPING ON THE AUX BOILER FEED PUMP, B SIDE. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			SU-MECH
1AR04	964	358680	Unit 1 Aux Boiler Area 1AR04	COMPLETE INCOMPLETE PIPING AND SUPPORTS ON THE EAST SIDE OF THE AUX BOILER FEED PUMP SKID. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			SU-PIPING
1AR04	964	358681	Unit 1 Aux Boiler Area 1AR04	REROUTE DRAIN LINE ADJACENT TO 001-SA-V-840 IN TO THE DRAIN HUB NE OF THE NIGHT PRESERVATION BOILER FOUNDATION. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			PIPING
1AR04	964	358700	Unit 1 Aux Boiler Area 1AR04	COMPLETE PIPING AND INSULATION AT SEVERAL LEAKING PIPES ON THE EAST SIDE OF THE AUX BOILER. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			SUBCON
1AR04	964	358704	Unit 1 Aux Boiler Area 1AR04	REPAIR LEAKING SIGHT GLASSES ON THE NORTH AND SOUTH ENDS OF THE AUX BOILER DRUM. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			SU-MECH
1AR04	964	358713	Unit 1 Aux Boiler Area 1AR04	INSTALL MISSING COVER ON SB-LE-0013. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			SU-MECH
1AR04	964	358715	Unit 1 Aux Boiler Area 1AR04	THE LANDING ON BOTH ENDS OF THE AUX BOILER UPS/EEM IS NOT LEVEL WITH THE INTERIOR FLOOR. THERE IS A 2" STEP. PER CBO THIS IS NOT PERMISSIBLE. SEE CBC SECTION 1008.1.4 – FLOOR ELEVATION AT DOORS AND SECTION 1008.1.5 – LANDINGS AT DOORS. - NOT ON BECHTEL SUPPLIED PUNCH LIST . LANDINGS SHALL HAVE A LENGTH MEASURED IN THE DIRECTION OF TRAVEL OF NOT LESS THAN 44 INCHES.	Disapproved	1st Priority	5/2/14 RLS 5/29/14 SH			PE
1AR04	964	358721	Unit 1 Aux Boiler Area 1AR04	PROVIDE WARNING AND IDENTIFICATION SIGNS ON THE DOORS OF THE AUX BOILER UPS/EEM INDICATING THE BUILDING NAME AND HIGH VOLTAGE. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			OPS
1AR04	964	358726	Unit 1 Aux Boiler Area 1AR04	REPLACE THE PLASTIC FITTING ON THE DRAIN LINE FOR AUX BOILER HVAC UNIT 001-VB-MA-190B. CHECK ALL. PER CBO, YOU ARE NOT ALLOWED TO HAVE A PLASTIC FITTING ATTACHED TO A METAL DRAIN LINE. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			PIPING
1AR04	964	358748	Unit 1 Aux Boiler Area 1AR04	REINSTALL (2) LEVEL SWITCHES HANGING LOOSE ON THE EAST SIDE OF THE AUX BOILER DRUM ACCESS PLATFORM AT ELEVATION 113'. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			INSTR

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1AR04	964	358751	Unit 1 Aux Boiler Area 1AR04	REPAIR WELDS ON THE ROOF OF THE AUX BOILER HOUSING THAT ARE PEELING LOOSE. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			MECH
1AR04	964	358758	Unit 1 Aux Boiler Area 1AR04	INSTALL BLIND FLANGES ON AUX BOILER STACK INSPECTION PORTS. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			SU-MECH
1AR04	964	366566	Unit 1 Aux Boiler Area 1AR04	DRAIN GRATES AT ALL INDIRECT WASTE OPENINGS - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			
1AR04	964	366572	Unit 1 Aux Boiler Area 1AR04	LANDINGS, STAIRS, RAILINGS, STEPS, RISERS, GUARDRAILS TO COMPLY WITH CBC CHAPTER 10 - NOT READY - LANDINGS TO BE LEVEL AT DOORS PER CBC 1008.1.4, 3/4 IN. MAX. THRESHOLD AT DOORS TO BCP E-HOUSE PER CBC 1008.1.6 - EEM HOUSE HAS A 2 7/8" FROM DOOR THRESHOLD TO EASTSIDE LANDING & 3 1/8" FROM DOOR THRESHOLD TO WESTSIDE LANDING LANDINGS SHALL HAVE A LENGTH MEASURED IN THE DIRECTION OF TRAVEL OF NOT LESS THAN 44 INCHES.	Disapproved	1st Priority	3/20/14 MS 5/2/14 RLS 5/29/14 SH			
1AR05	965	366578	Unit 1 South Yard Area 1AR05	DRAIN GRATES AT ALL INDIRECT WASTE OPENINGS - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			
1AR06	966		Unit 1 PSB Area 1AR06	Install protective cover for conductors to 6' above finish grade at transitions from underground conduits to cable tray. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st priority	2/27/14 CG 3/26/14 TV 5/2/14 RLS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 1/31/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO 3/26/2014: yes this is related to and part of the cable tray inspection.	
1AR06	966	59590	Unit 1 PSB Area 1AR06	PROVIDE POTABLE WATER TO PLANT SERVICES BUILDING - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			SU-PIPING
1AR06	966	67576	Unit 1 PSB Area 1AR06	ESTABLISH FINISH GRADE AT ALL STRUCT, PADS, FOUNDATIONS, VAULTS, AND PERM. INSTALLATIONS - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			SUBCON
1AR06	966	79762	Unit 1 PSB Area 1AR06	SEAL BASE PLATE JOINT FROM EDG STRUCTURE TO CONCRETE - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			OPS
1AR06	966	358766	Unit 1 PSB Area 1AR06	REWORK THE CONDENSATE DRAIN LINE CONNECTIONS ON ALL OF THE HVAC UNITS. PER CBO YOU ARE NOT ALLOWED TO HAVE METAL CONDENSATE LINES ATTACHED TO PLASTIC DRAIN FITTINGS. - THE FEMALE ADAPTER ON HVAC UNIT TO COPPER MALE ADAPTER FOR CONDENSATION DRAIN IS NOT ALLOWED PER CODE	Disapproved	2nd Priority	5/2/14 RLS			SUBCON
1AR06	966	358767	Unit 1 PSB Area 1AR06	INSTALL PHENOLIC LABELS ON THE HVAC DISCONNECTS EAST AND WEST OF THE PSB. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			PIPING
1AR06	966	358769	Unit 1 PSB Area 1AR06	PAINT OVER EMERGENCY DIESEL GENERATOR GLUED PVC JOINTS WITH LATEX PAINT. PER CBO, GLUED PVC JOINTS ARE NOT UV RATED AND MUST BE COVERED WITH LATEX PAINT. - NOT ON BECHTEL SUPPLIED PUNCH LIST NOT DONE	Disapproved	2nd Priority	5/2/14 RLS			SUBCON
1AR06	966	358770	Unit 1 PSB Area 1AR06	REWORK THE EMERGENCY DIESEL GENERATOR CONDENSATE DRAIN TO PROVIDE A WATER TRAP.	Disapproved	2nd Priority				MECH
1AR06	966	358771	Unit 1 PSB Area 1AR06	THE LANDING ON THE (3) EMERGENCY DIESEL GENERATOR STAIRS DOES NOT MEET THE FINISH FLOOR OF THE EDG ENCLOSURE. PER CBO THIS IS NOT PERMISSIBLE. SEE CBC SECTIONS 1008.1.4 – FLOOR ELEVATION AT DOORS, 1008.1.5 – LANDINGS AT DOORS AND SECTION 1008.1.6 – THRESHOLDS. - NOT ON BECHTEL SUPPLIED PUNCH LIST, DOOR THRESHOLD TO LANDING @ THE SE DOOR IS 6 1/2" THE HEIGHT FOR THE SW AND THE NORTH SIDE DOOR IS 6 1/8"	Disapproved	2nd Priority	5/2/14 RLS			PE
1AR06	966	366587	Unit 1 PSB Area 1AR06	DRAIN GRATES AT ALL INDIRECT WASTE OPENINGS - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			
1AR06	966	366592	Unit 1 PSB Area 1AR06	LANDINGS, STAIRS, RAILINGS, STEPS, RISERS, GUARDRAILS TO COMPLY WITH CBC CHAPTER 10 - NOT READY - LANDINGS TO BE LEVEL AT DOORS PER CBC 1008.1.4, 3/4 IN. MAX. THRESHOLD AT DOORS TO EDG PER CBC 1008.1.6 (CHECK ALL) - TO LANDING @ THE SE DOOR IS 6 1/2" THE HEIGHT FOR THE SW AND THE NORTH SIDE DOOR IS 6 1/8" THE NORTH DOOR OF THE PSB BUILDING TO THE TRENWA TRENCH LID IS 11" NEED TO REDUCE STEP OR INSTALL A GUARD RAIL LANDINGS SHALL HAVE A LENGTH MEASURED IN THE DIRECTION OF TRAVEL OF NOT LESS THAN 44 INCHES.	Disapproved	1st Priority	3/20/14 MS 5/2/14 RLS 5/29/14 SH			
1AR07	967	72461	Unit 1 Switchyard Area 1AR07	GROUNDING AT SWITCH YARD FENCE INCOMPLETE - NOT ON BECHTEL SUPPLIED PUNCH LIST - NO CHANGE	Disapproved	1st Priority	10/12/13 CG 4/14/14 MS 4/30/14 CG 5/2/14 RLS			ELECT

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1AR07	967	254020	Unit 1 Switchyard Area 1AR07	INVESTIGATE CAL/OSHA GUARDRAIL REQUIREMENTS FOR AROUND SST TRANSFORMER FOUNDATION. SEE OSHA REGULATIONS 29 CFR PART 1910 OCCUPATIONAL SAFETY AND HEALTH STANDARDS SUBPART D, SUBPART TITLE WALKING-WORKING SURFACES, STANDARD NUMBER 1910.21, TSECTIONS 1910.23, 1910.21(a)(4), 1910.23(e)(1), 1910.23(e)(6) AND CAL/OSHA Title 8, SECTIONS 3209(a), 3209(b) INCLUDING THE NOTE AND 3636(a). - NOT DONE	Disapproved	1st Priority	5/2/14 RLS			CIVIL
1AR07	967	366594	Unit 1 Switchyard Area 1AR07	DRAIN GRATES AT ALL INDIRECT WASTE OPENINGS - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			
1AR07	967	366600	Unit 1 Switchyard Area 1AR07	LANDINGS, STAIRS, RAILINGS, STEPS, RISERS, GUARDRAILS TO COMPLY WITH CBC CHAPTER 10 - NOT READY - LANDINGS TO BE LEVEL AT DOOR AT SST RISER HOUSE PER CBC 1008.1.4 - NORTH AND SOUTH LUBE OIL DOORS LANDINGS SHALL HAVE A LENGTH MEASURED IN THE DIRECTION OF TRAVEL OF NOT LESS THAN 44 INCHES.	Disapproved	1st Priority	3/20/14 MS 5/2/14 RLS 5/29/14 SH			
1AR08	968		Unit 1 EDT/IDT Area 1AR08	Install protective cover for conductors to 6' above finish grade at transitions from underground conduits to cable tray. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st priority	2/27/14 CG 3/26/14 TV 5/2/14 RLS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 1/31/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO 3/26/2014: yes this is related to and part of the cable tray inspection.	
1AR08	968	257542	Unit 1 EDT/IDT Area 1AR08	REMOVE ALL CONSTRUCTION MATERIAL FROM THE EDT/IDT PIT AND CORNER SUMP. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			SU-MECH
1AR08	968	257545	Unit 1 EDT/IDT Area 1AR08	PROVIDE PERMANENT SUMP PUMP IN THE NW CORNER SUMP IN THE EDT/IDT PIT OR PROVIDE ELECTRICAL AND MECHANICAL EQUIPMENT LISTED AND RATED FOR UNDERWATER LOCATIONS. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			PE
1AR08	968	257555	Unit 1 EDT/IDT Area 1AR08	REMOVE ALL STARTUP MATERIAL AND DEBRIS FROM THE ACC SUNSHADE FOUNDATION. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			SU-MECH
1AR08	968	257556	Unit 1 EDT/IDT Area 1AR08	ANCHOR THE DOOR THRESHOLD OF THE LUBE OIL DELUGE VALVE HOUSE TO THE CONCRETE. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			SUBCON
1AR08	968	366602	Unit 1 EDT/IDT Area 1AR08	DRAIN GRATES AT ALL INDIRECT WASTE OPENINGS - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			
1AR09	1224		1AR09 Area, Cable Tray Scope	CABLE TRAY COVER/PROTECTION INCOMPLETE @ 12110THR01 - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st Priority	2/28/14 RLS 3/26/14 TV 5/3/14 RLS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 1/31/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO 3/26/2014: yes this is related to and part of the cable tray inspection.	
1AR09	969		Unit 1 STG Area 1AR09	Install protective cover for conductors to 6' above finish grade at transitions from underground conduits to cable tray. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st priority	2/27/14 CG 3/26/14 TV 5/3/14 RLS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 1/31/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO 3/26/2014: yes this is related to and part of the cable tray inspection.	
1AR09	969	257701	Unit 1 STG Area 1AR09	LABEL THE (2) LUBE OIL ENCLOSURE DOORS WITH SIGNS STATING THE NAME OF THE BUILDING AND WARNING SIGNS SAYING HEARING PROTECTION IS REQUIRED. SEE CAL/OSHA - TITLE 8, SUBCHAPTER 7. GENERAL INDUSTRY SAFETY ORDERS GROUP 15. OCCUPATIONAL NOISE, ARTICLE 105. CONTROL OF NOISE EXPOSURE - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/3/14 RLS			PE
1AR09	969	257741	Unit 1 STG Area 1AR09	REPAIR DAMAGED GROUT ON THE EAST STAIR STRINGER JUST SOUTH OF Q LINE INSIDE THE STG ENCLOSURE. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/3/14 RLS			CIVIL

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1AR09	969	257810	Unit 1 STG Area 1AR09	VERIFY THE THRESHOLD HEIGHTS ON THE STG ENCLOSURE DOORWAYS. SEE CBC SECTION 1008.1.6 – THRESHOLDS - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st Priority	5/3/14 RLS			OPS
1AR09	969	366612	Unit 1 STG Area 1AR09	DRAIN GRATES AT ALL INDIRECT WASTE OPENINGS - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/3/14 RLS			
1AR09	969	366618	Unit 1 STG Area 1AR09	LANDINGS, STAIRS, RAILINGS, STEPS, RISERS, GUARDRAILS TO COMPLY WITH CBC CHAPTER 10 - NOT READY - LANDINGS TO BE LEVEL AT DOORS PER CBC 1008.1.4, 3/4 IN. MAX. THRESHOLD AT DOORS TO LUBE OIL PER CBC 1008.1.6 (CHECK ALL) DUPLICATE SEE 257806 - NO CHANGE AT THE LUBE OIL BUILDING LANDINGS SHALL HAVE A LENGTH MEASURED IN THE DIRECTION OF TRAVEL OF NOT LESS THAN 44 INCHES.	Disapproved	1st Priority	3/20/14 MS 5/3/14 RLS 5/29/14 SH			
1AR10	970		Unit 1 Heater Bay Area 1AR10	Install protective cover for conductors to 6' above finish grade at transitions from underground conduits to cable tray. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st priority	2/27/14 CG 3/26/14 TV 5/3/14 RLS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 1/31/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO 3/26/2014: yes this is related to and part of the cable tray inspection.	
1AR10	970	257758	Unit 1 Heater Bay Area 1AR10	REWORK PIPE HANGER AD-746 IN THE HEATER BAY ON ELEVATION 111'-8". THE EAST SIDE OF THE HANGER EXTENDS IN TO THE ONLY AVAILABLE WALKWAY TO ACCESS THE NE STG ENCLOSURE DOOR. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/3/14 RLS			PIPING
1AR10	1225		1AR10 Area, Cable Tray Scope	CABLE/CONDUCTOR PROTECTION IS INCOMPLETE FROM CABLE TRAY 12210TMD01 & 12210TME01 DOWN TO RIGID CONDUITS - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st Priority	2/28/14 RLS 3/26/14 TV 5/3/14 RLS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 1/31/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO 3/26/2014: yes this is related to and part of the cable tray inspection.	
1AR11	1045		Structural Steel Tower Base - 120'	Install protective cover for conductors to 6' above finish grade at transitions from underground conduits to cable tray. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st priority	2/27/14 CG 3/26/14 TV 5/3/14 RLS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 1/31/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO 3/26/2014: yes this is related to and part of the cable tray inspection.	
1AR11	1226	56507	1AR11 System, Cable Tray Scope	ENC 32 - REPLACE HANDRAIL (TOWER) - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st Priority	5/3/14 RLS			CIVIL
1AR11	1226	90532	1AR11 System, Cable Tray Scope	REMOVE TEMPORARY POWER CABLES IN AND ADJACENT TO THE VERTICAL CABLE TRAY RUN ON THE SOUTH SIDE OF THE STAIRCASE AT COLUMN LINE G AT ALL ELEVATIONS IN THE TOWER. - NOT READY - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st Priority	11/26/13 MS 5/3/14 RLS			OPS
1AR11	1226	90577	1AR11 System, Cable Tray Scope	REWORK VERTICAL POST LIGHT FIXTURE CONNECTIONS AT ALL ELEVATIONS OF THE TOWER. FIXTURES ARE CONNECTED TO THE TOP OF THE GUARDRAIL SEE OSHA REGULATIONS 29 CFR PART 1910 OCCUPATIONAL SAFETY AND HEALTH STANDARDS SUBPART D, SUBPART TITLE WALKING-WORKING SURFACES, STANDARD NUMBER 1910.21, TSECTIONS 1910.23, 1910.21(a)(4), 1910.23e(1), 1910.23(e)(6) AND CAL/OSHA Title 8, SECTIONS 3209(a), 3209(b) INCLUDING THE NOTE AND 3636(a). ALSO SEE CBC SECTIONS 1012.1 AND 1607.7. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st Priority	3/31/14 TV 5/3/14 RLS			PE
1AR11	1226	257849	1AR11 System, Cable Tray Scope	GUARD RAIL IS NOT CONTINUOUS ON ELEVATION 140'-0" AND 120'-0". NRG BELIEVES THAT THE TOP RAIL IS REQUIRED TO BE CONTINUOUS. OPENINGS IN THE GUARDS ARE ALLOWED IF THE OPENING DIMENSIONS ARE NOT > 21". - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/3/14 RLS			PE

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1AR11	1226	257853	1AR11 System, Cable Tray Scope	CLOSE UP OPENING BETWEEN THE TOE PLATE AND THE INSULATED PIPE AT THE PIPE PENETRATION LOCATED 3' WEST OF 17 LINE AND 15' NORTH OF K LINE ON ELEVATION 140'-0". OPENINGS CAN ALLOW TOOLS, NUTS, BOLTS WASHERS, ETC. TO FALL THROUGH CREATING A WORKER SAFETY ISSUE. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/3/14 RLS			PE
1AR11	1226	257857	1AR11 System, Cable Tray Scope	CUT OUT GRATING AND PROVIDE TOE PLATE AROUND VALVE HANDLE 001-SA-V-834 LOCATED 10' NORTH AND 10' WEST OF COLUMN D-20 ON ELEVATION 140'-0". - NOT DONE	Disapproved	2nd Priority	5/3/14 RLS			CIVIL
1AR11	1226	257872	1AR11 System, Cable Tray Scope	THE WEB ON THE WT DIAGONAL BRACE ON THE SOUTH SIDE OF THE WESTERN FEEDWATER HEATER CHASE ON ELEVATION 120'-0" IS BENT. SEE CBC CHAPTER 16 – DAMAGE TO STRUCTURAL COMPONENTS SHALL BE EVALUATED BY THE RESPONSIBLE DESIGN ENGINEER AND VALIDATED, IN WRITING WITH THE ENGINEER'S SEAL ON THE DOCUMENT, THAT THE BENT WEB HAS NOT REDUCED THE DESIGN STRENGTH OF THE MEMBER - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st priority	5/3/14 RLS 5/20/14 TV			PE
1AR11	1226	257883	1AR11 System, Cable Tray Scope	REWORK DRAIN LINE JUST SW OF COLUMN P-20 ON ELEVATION 100'-0" THAT IS NOT LINED UP WITH THE DRAIN HUB. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/3/14 RLS			PIPING
1AR11	1226	257885	1AR11 System, Cable Tray Scope	REWORK DRAIN LINE JUST NE OF COLUMN P-20 ON ELEVATION 100'-0" THAT IS NOT LINED UP WITH THE DRAIN HUB. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/3/14 RLS			PIPING
1AR11	1226	257891	1AR11 System, Cable Tray Scope	THE WESTERN COLUMN OF THE LUBE OIL SUNSHADE SUPPORT STEEL HAS AN EXTINGUISHER BRACKET WITH NO EXTINGUISHER ON ELEVATION 100'-0". ADD EXTINGUISHER OR REMOVE BRACKET AS DIRECTED ON THE FE MORAN DRAWINGS. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/3/14 RLS			SUBCON
1AR11	1226	257894	1AR11 System, Cable Tray Scope	INSTALL MISSING VALVE HANDLE ON 001-AE-V-814 ON ELEVATION 100'-0" SE OF THE MBFP. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/3/14 RLS			PIPING
1AR11	1226	257901	1AR11 System, Cable Tray Scope	REPAIR PRESSURE GAGE ON THE SE MOST MBFP SUPPORT COLUMN AT 4' AFF ON ELEVATION 100'-0". GAGE APPEARS INOPERABLE. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/3/14 RLS			SU-MECH
1AR11	1226	362798	1AR11 System, Cable Tray Scope	EL 100: SAFETY: SHORTEN ANCHOR BOLTS ON LIGHT STAND, AS THEY POSE A TRIP HAZARD. LOCATION WEST SIDE OF CCW BOOSTER PUMP (B) 01-AX-CCW S-B. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st Priority	5/3/14 RLS			PIPING
1AR11	1226	363217	1AR11 System, Cable Tray Scope	SOUTHWEST VERTICAL CABLE TRAY AT BASE OF STAIRS CONDUCTORS MUST BE ATTACHED 18" O.C. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st Priority	5/3/14 RLS			OPS
1AR11	1226	363222	1AR11 System, Cable Tray Scope	STEAM PIPE ABOVE 11010TSC11 INSULATION AND SHIELDING IS MISSING. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st Priority	5/3/14 RLS			INSUL
1AR12	1046	77016	1AR12 - ELEVATION 140'	REMOVE TEMP POWER PANEL/CABLES - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/3/14 RLS			ELECT
1AR12	1046	257836	1AR12 - ELEVATION 140'	GUARD RAIL IS NOT CONTINUOUS ON ELEVATION 180'-0". NRG BELIEVES THAT THE TOP RAIL IS REQUIRED TO BE CONTINUOUS. OPENINGS IN GUARDS ARE ALLOWED, OPENINGS CANNOT EXCEED 21". - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/3/14 RLS			PE
1AR12	1046	257855	1AR12 - ELEVATION 140'	REPAIR LEAKY VALVE PVBGZNOR201 JUST EAST OF COLUMN D-13 ON ELEVATION 140'-0" AT 8' AFF. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/3/14 RLS			SU-MECH
1AR12	1046	257859	1AR12 - ELEVATION 140'	REPAIR LEAKING VALVE 001-SA-V-803 ON ELEVATION 140'-0". - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/3/14 RLS			SU-MECH
1AR12	1046	366631	1AR12 - ELEVATION 140'	Remove all temporary power cables - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/3/14 RLS			
1AR12	1227	363186	1AR12 Area, Cable Tray Scope	MISSING CABLE TRAY COVERS AT 2 ADDED TRAYS - NOT PROVIDED ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION. TEMP PWR TRAYS NO CHANGE 4/30/2014 CG	Disapproved	1st Priority	4/20/14 RLS 5/3/14 RLS 4/30/14 CG			OPS
1AR12	1227	363188	1AR12 Area, Cable Tray Scope	24 IN. VERTICAL TRAYS INSTALLED WITH 10 4C 2/0 CABLES W/O CODE REQUIRED SEPERATION - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION	Disapproved	1st Priority	4/20/14 RLS 5/3/14 RLS			OPS

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1AR12	1227	363368	1AR12 Area, Cable Tray Scope	RELOCATE ALL LIGHTS AND RECEPTACLES FROM TOP RAIL OF RAILING PER CAL/OSHA REGULATIONS 29 CFR PART 1910 OCCUPATIONAL SAFETY AND HEALTH STANDARDS SUBPART D, SUBPART TITLE WALKING-WORKING SURFACES STANDARD NUMBERS 1910.21 TITLE DEFINITIONS AND SECTIONS 1910.23 SECTIONS 1910.21(a)(4), 1910.23(e)(1), 1910.23(e)(6) and CAL/OSHA Title 8, SECTIONS 3636(a), 3209(a) AND 3209(b) INCLUDING THE NOTE. ALSO SEE CBC SECTIONS 1012.1 AND 1607.7. Lighting installation on Guardrails is approved per submittal STRUC-1-9.09 "Light Standard attached to Guardrail". Attachments used do not comply with Bechtel Lighting Submittal 000-ELJ-0000-00001 installations are disapproved. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st Priority	3/31/14 TV 5/3/14 RLS			PE
1AR12	1227	363371	1AR12 Area, Cable Tray Scope	INSTALL COVERS ON TWO MOST WEST VERTICAL CABLE TRAYS. Reference CEC Section 392.6.(C). - NOT ON BECHTEL SUPPLIED PUNCH LIST NO CHANGE	Disapproved	1st Priority	4/20/14 RLS 5/3/14 RLS			OPS
1AR13	1050	257839	1AR13 - ELEVATION 180'	REMOVE TEMPORARY POWER PANELS AND TRANSFORMER FROM ELEVATION 180'-0". - NOT DONE - NOT ON BECHTEL SUPPLIED PUNCH LIST NO CHANGE	Disapproved	2nd Priority	RLS 2/13/2014 4/20/14 RLS 5/3/14 RLS			ELECT
1AR13	1050	257846	1AR13 - ELEVATION 180'	PROVIDE "CONFINED SPACE" SIGNS ON THE MANWAY TO THE CLOSED COOLING WATER TANK ON ELEVATION 180'-0". TITLE 8, SUBCHAPTER 7, GROUP 16, ARTICLE 108. CONFINED SPACE §5157. PERMIT REQUIRED CONFINED SPACE (C) GENERAL REQUIREMENTS (2) - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/3/14 RLS			CIVIL
1AR13	1050	257847	1AR13 - ELEVATION 180'	PROVIDE "CONFINED SPACE" SIGNS ON THE MANWAY TO THE DA TANK ON ELEVATION 180'-0". TITLE 8, SUBCHAPTER 7, GROUP 16, ARTICLE 108. CONFINED SPACE §5157. PERMIT REQUIRED CONFINED SPACE (C) GENERAL REQUIREMENTS (2) - NOT DONE	Disapproved	2nd Priority	5/3/14 RLS			CIVIL
1AR13	1050	366643	1AR13 - ELEVATION 180'	Remove all temporary power cables - NOT ON BECHTEL SUPPLIED PUNCH LIST NO CHANGE	Disapproved	2nd Priority	4/20/14 RLS 5/3/14 RLS			
1AR13	1228	363195	1AR13 Area, Cable Tray Scope	MISSING CABLE TRAY COVERS AT 2 ADDED TRAYS - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION	Disapproved	1st Priority	4/20/14 RLS 5/3/14 RLS			OPS
1AR13	1228	363197	1AR13 Area, Cable Tray Scope	24 IN. VERTICAL TRAYS INSTALLED WITH 10 4C 2/O CABLES W/O CODE REQUIRED SEPERATION - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION - APPROVED PER BECHTEL ENGINEERING FOR OPEN CABLE TRAY WITHOUT DIVIDERS	Disapproved	1st Priority	4/20/14 RLS 5/3/14 RLS			OPS
1AR14	1229	363203	1AR14 Area, Cable Tray Scope	MISSING CABLE TRAY COVERS AT 2 ADDED TRAYS - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION	Disapproved	1st Priority	4/20/14 RLS			OPS
1AR14	1229	363205	1AR14 Area, Cable Tray Scope	24 IN. VERTICAL TRAYS INSTALLED WITH 10 4C 2/O CABLES W/O CODE REQUIRED SEPERATION - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION	Disapproved	1st Priority	4/20/14 RLS			OPS
1AR15	1052	366652	1AR15 - ELEVATION 259'	Ensure all landings, stairs, railings, steps, risers, and guardrails comply with CBC Chapter 10 LANDINGS SHALL HAVE A LENGTH MEASURED IN THE DIRECTION OF TRAVEL OF NOT LESS THAN 44 INCHES.	Disapproved	1st Priority	5/29/14 SH			
1AR15	1052		1AR15 - ELEVATION 259'	Install cable tray covers where required by CEC and Bechtel specifications - NOT DONE - NOT ON BECHTEL SUPPLIED PUNCH LIST NO CHANGE	Disapproved	2nd Priority	RLS 2/13/2014 4/20/14 RLS 5/3/14 RLS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 1/31/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.	
1AR15	1052	366657	1AR15 - ELEVATION 259'	Remove all temporary power cables - NOT ON BECHTEL SUPPLIED PUNCH LIST NO CHANGE	Disapproved	2nd Priority	4/20/14 RLS 5/3/14 RLS			
1AR15	1230	363237	1AR15 Area, Cable Tray Scope	MISSING CABLE TRAY COVERS AT 2 ADDED TRAYS - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION	Disapproved	1st Priority	4/20/14 RLS 5/3/14 RLS			OPS
1AR15	1230	363239	1AR15 Area, Cable Tray Scope	24 IN. VERTICAL TRAYS INSTALLED WITH 10 4C 2/O CABLES W/O CODE REQUIRED SEPERATION - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st Priority	5/3/14 RLS			OPS
1AR16	1053	366664	1AR16 - ELEVATION 298'	Ensure all landings, stairs, railings, steps, risers, and guardrails comply with CBC Chapter 10 - WIND GUST WAS AT 35MPH NO INSPECTION LANDINGS SHALL HAVE A LENGTH MEASURED IN THE DIRECTION OF TRAVEL OF NOT LESS THAN 44 INCHES.	Disapproved	1st Priority	5/3/14 RLS 5/29/14 SH			
1AR16	1053	366669	1AR16 - ELEVATION 298'	Remove all temporary power cables - NOT ON BECHTEL SUPPLIED PUNCH LIST NO CHANGE	Disapproved	2nd Priority	4/20/14 RLS 5/3/14 RLS			
1AR16	1231	363244	1AR16 Area, Cable Tray Scope	MISSING CABLE TRAY COVERS AT 2 ADDED TRAYS - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION - NO CHANGE	Disapproved	1st Priority	4/20/14 RLS 5/3/14 RLS			OPS

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1AR17	1054	90545	1AR17 - ELEVATION 337'	UPDATE ELECTRICAL DESIGN DRAWING TO SHOW THE DELETION OF ONE LIGHT FIXTURE ON ELEVATION 376'-0" THAT WAS MADE OBSOLETE BY DELETION OF THE ASSOCIATED PLATFORM. - NO INFORMATION SUPPLIED TO CBO FROM BECHTEL TO VERIFY CHANGE - NOT ON BECHTEL SUPPLIED PUNCH LIST - NO CHANGE	Disapproved	2nd Priority	4/20/14 RLS 4/30/14 CG 5/3/14 RLS			PE
1AR17	1054	366676	1AR17 - ELEVATION 337'	Ensure all landings, stairs, railings, steps, risers, and guardrails comply with CBC Chapter 10 - WIND GUST WAS AT 35 MPH NO INSPECTION LANDINGS SHALL HAVE A LENGTH MEASURED IN THE DIRECTION OF TRAVEL OF NOT LESS THAN 44 INCHES.	Disapproved	1st Priority	5/3/14 RLS 5/29/14 SH			
1AR17	1054	366681	1AR17 - ELEVATION 337'	Remove all temporary power cables - NOT ON BECHTEL SUPPLIED PUNCH LIST NO CHANGE - NO CHANGE	Disapproved	2nd Priority	4/20/14 RLS 5/3/14 RLS			
1AR17	1232	363610	1AR17 Area, Cable Tray Scope	TEMP. PANEL, TXFR GUTTER AND DISCONNECTS NOT SECURED TO STRUCTURE - NOT ON BECHTEL SUPPLIED PUNCH LIST NO CHANGE	Disapproved	1st Priority	5/3/14 RLS			OPS
1AR17	1232	363611	1AR17 Area, Cable Tray Scope	FEEDERS, LOADS BETWEEN SAME EQUIP. NOT SECURED TO STRUCTURE - NOT ON BECHTEL SUPPLIED PUNCH LIST NO CHANGE	Disapproved	1st Priority	5/3/14 RLS			OPS
1AR17	1232	363612	1AR17 Area, Cable Tray Scope	GROUNDING CONDUCTOR DAMAGED AT EQUIP. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st Priority	5/3/14 RLS			OPS
1AR17	1232	363613	1AR17 Area, Cable Tray Scope	MISSING LABELING AND POWER SOURCE NOT IDENTIFIED - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st Priority	5/3/14 RLS			OPS
1AR17	1232	363615	1AR17 Area, Cable Tray Scope	MISSING CABLE TRAY COVERS AND LABELING (ID'ED) AT 2 ADDED TRAYS - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION - NO CHANGE	Disapproved	1st Priority	4/20/14 RLS 5/3/14 RLS			OPS
1AR17	1232	363617	1AR17 Area, Cable Tray Scope	PULL ALL UNUSED CABLE OR SECURE AND TERMINATE PER CODE/SPECIFICATIONS - NOT ON BECHTEL SUPPLIED PUNCH LIST - TEMP PWR CABLES - NO CHANGE	Disapproved	1st Priority	4/30/14 CG 5/3/14 RLS			ELECT
1AR17	1232	363618	1AR17 Area, Cable Tray Scope	MISSING IN-USE RECEPTACLE COVER ON TEMP POWER - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st Priority	5/3/14 RLS			OPS
1AR18	1055		1AR18 - Structural Steel Tower 376' - 395'	Loose mounting foot under Pnl. 1-EL-EL 102	Disapproved	2nd priority	2/27/14 CG		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 1/31/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.	
1AR18	1055	90539	1AR18 - Structural Steel Tower 376' - 395'	BOTH CBO AND NRG BELIEVE THAT THE STEP DOWN FROM THE FLOOR OF THE E-HOUSE AT BOTH DOORS IS NOT CODE COMPLIANT BECAUSE IT IS ~12 INCHES. THEY ALSO BELIEVE THAT SINCE THE DOOR SWINGS OUT, A LANDING IS REQUIRED AS WELL. ELEVATION 395'-6". SEE SECTIONS 1008.1.4 - FLOOR ELEVATION AT DOORS, 1008.1.5 - LANDINGS AT DOORS, 1008.1.6 - THRESHOLDS. - NOT ON BECHTEL SUPPLIED PUNCH LIST NO CHANGE LANDINGS SHALL HAVE A LENGTH MEASURED IN THE DIRECTION OF TRAVEL OF NOT LESS THAN 44 INCHES.	Disapproved	1st Priority	5/3/14 RLS 5/29/14 SH			OPS
1AR18	1055	366693	1AR18 - Structural Steel Tower 376' - 395'	Ensure all landings, stairs, railings, steps, risers, and guardrails comply with CBC Chapter 10 - WIND GUST WAS AT 35 MPH NO INSPECTION LANDINGS SHALL HAVE A LENGTH MEASURED IN THE DIRECTION OF TRAVEL OF NOT LESS THAN 44 INCHES.	Disapproved	1st Priority	5/3/14 RLS 5/29/14 SH			
1AR18	1055	366698	1AR18 - Structural Steel Tower 376' - 395'	Remove all temporary power cables - NOT ON BECHTEL SUPPLIED PUNCH LIST NO CHANGE	Disapproved	2nd Priority	5/3/14 RLS			
1AR18	1055	366687	1AR18 - Structural Steel Tower 376' - 395'	Sharp edges at handrails to be eased out at terminations. Remove all temporary cables, clean area to be inspected. - NOT ON BECHTEL SUPPLIED PUNCH LIST NO CHANGE	Disapproved	1st Priority	4/24/14 SH 5/3/14 RLS			
1AR18	1233	366708	1AR18 Area, Cable Tray Scope	Vertical cable tray missing 6' protection barrier. - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION - NO CHANGE	Disapproved	2nd Priority	4/20/14 RLS 5/3/14 RLS			
1AR18	1233	366709	1AR18 Area, Cable Tray Scope	Temporary power cables are improperly supported. - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION - NO CHANGE	Disapproved	2nd Priority	4/20/14 RLS 5/3/14 RLS			
1AR18	1233	366710	1AR18 Area, Cable Tray Scope	KELLEMS GRIP support is improperly installed on conductors. - NOT DONE - NOT ON BECHTEL SUPPLIED PUNCH LIST NO CHANGE	Disapproved	1st Priority	4/20/14 RLS 5/3/14 RLS			
1AR18	1233	366712	1AR18 Area, Cable Tray Scope	Remove rope from cables. - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION - NO CHANGE	Disapproved	2nd Priority	4/20/14 RLS 5/3/14 RLS			
1AR18	1233	366715	1AR18 Area, Cable Tray Scope	6' min Cable tray covers required at vertical cable to protect wiring from damage. - NOT DONE - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION - NO CHANGE	Disapproved	2nd Priority	RLS 2/13/2014 4/20/14 RLS 5/3/14 RLS			
1AR19	1056	257344	1AR19 - ELEVATION 415' THROUGH 427'	NRG FEELS THAT THE GUARD RAIL GAP ON THE NORTH SIDE OF THE STAIR ON ELEVATION 415' LEADING DOWN TO ELEVATION 395'-6" IS NOT PER CODE. OPENINGS IN GUARDS ARE ALLOWED TO BE 21" MAXIMUM. REFERENCE CBC SECTION 1013.3 EXCEPTION 2.	Disapproved	2nd Priority				PE

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1AR19	1056	257345	1AR19 - ELEVATION 415' THROUGH 427'	NRG FEELS THAT THE HAND RAIL CONTINUITY ON THE NORTH SIDE OF THE STAIR ON ELEVATION 415' LEADING DOWN TO ELEVATION 395'-6" IS NOT PER CODE. SEE CBC SECTION 1012.4 – CONTINUITY	Disapproved	2nd Priority				PE
1AR19	1056	257350	1AR19 - ELEVATION 415' THROUGH 427'	PROVIDE ADEQUATE SUPPORT FOR COPPER TUBING LOCATED 7' EAST OF 16 LINE FROM K TO 12' NORTH OF K AT 4' AFF ON ELEVATION 415'-0".	Disapproved	1st Priority				INSTR
1AR19	1056	257351	1AR19 - ELEVATION 415' THROUGH 427'	THE LOWER SOUTHWEST FLANGE OF THE DOUBLE SPRING CAN SUPPORT BEAM NEAR 001-PH-AB-0017 HAS SIGNIFICANT DEFORMATION. REVIEW AND DETERMINE IF REPAIR IS NECESSARY.	Disapproved	2nd Priority				PIPING
1AR19	1056	257354	1AR19 - ELEVATION 415' THROUGH 427'	TIGHTEN THE NUTS ON THE U BOLT PIPE SUPPORT LOCATED 2' EAST OF 19 LINE ON P LINE AT 8' AFF ON ELEVATION 415'-0".	Disapproved	2nd Priority				PIPING
1AR19	1056	257357	1AR19 - ELEVATION 415' THROUGH 427'	REWORK NYLOCK NUTS ON THE PIPE SUPPORT LOCATED ON 19 LINE AND 3' SOUTH OF G LINE AT 9' AFF ON ELEVATION 415'-0".	Disapproved	2nd Priority				PIPING
1AR19	1056	257389	1AR19 - ELEVATION 415' THROUGH 427'	INSTALL REMOVABLE COVER OVER THE SPRING CAN TOP NUT LOCATED WEST OF 17 AND NORTH OF G ON ELEVATION 439'-0".	Disapproved	2nd Priority				CIVIL
1AR19	1056	257390	1AR19 - ELEVATION 415' THROUGH 427'	STITCH WELD ADJACENT GRATING PANELS TOGETHER LOCATED 3' WEST OF 20 LINE AND 2' SOUTH OF L.2 LINE ON ELEVATION 439'-0".	Disapproved	2nd Priority				CIVIL
1AR19	1056	257415	1AR19 - ELEVATION 415' THROUGH 427'	INSULATE 2" DIAMETER PIPE FOR PERSONNEL PROTECTION AT THE INTERMEDIATE STAIR LANDING 4' ABOVE ELEVATION 439'-0" LOCATED AT K-17.	Disapproved	2nd Priority				SUBCON
1AR19	1056	257433	1AR19 - ELEVATION 415' THROUGH 427'	PROVIDE ADDITIONAL SUPPORT FOR E/W HORIZONTAL PIPE RUN LOCATED 2' SOUTH OF P LINE AT 5' AFF ON ELEVATION 427'-0" NEAR AA-FIT-5162.	Disapproved	1st Priority				PIPING
1AR19	1056	366721	1AR19 - ELEVATION 415' THROUGH 427'	Complete installation of all toe/kick plates @ all grating penetrations	Disapproved	2nd Priority				
1AR19	1056	366722	1AR19 - ELEVATION 415' THROUGH 427'	Verify grating is adequately secured to structural steel	Disapproved	1st Priority				
1AR19	1056	366723	1AR19 - ELEVATION 415' THROUGH 427'	Ensure all landings, stairs, railings, steps, risers, and guardrails comply with CBC Chapter 10 LANDINGS SHALL HAVE A LENGTH MEASURED IN THE DIRECTION OF TRAVEL OF NOT LESS THAN 44 INCHES.	Disapproved	1st Priority	5/29/14 SH			
1AR19	1056	366728	1AR19 - ELEVATION 415' THROUGH 427'	Remove all temporary power cables	Disapproved	2nd Priority				
1AR20	1047	257912	Unit 1 General Power Block Area - 1AR20	REWORK THE LATCHES ON ALL OF THE FIRE HOSE CABINETS. LATCHES SHOULD STOP AT THE OPEN AND CLOSED POSITION RATHER THAN ROTATING FREELY. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			SUBCON
1AR20	1047	257914	Unit 1 General Power Block Area - 1AR20	PROVIDE BOLLARDS ON THE SOUTH SIDE OF THE PSB PARKING AREA TO PROTECT CONSTRUCTION POWER PANEL 1-EA-1X FROM DAMAGE. SEE CEC SECTION 110.27(B) - PREVENT PHYSICAL DAMAGE. - NOT DONE	Disapproved	2nd Priority	5/2/14 RLS			CIVIL
1AR20	1047	257917	Unit 1 General Power Block Area - 1AR20	COMPLETE THE INSTALLATION OF ALL REQUIRED FITTINGS ON THE PLANT AIR SYSTEM AT ALL PA CONVENIENCE STATIONS. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			SU-MECH
1AR20	1047	257919	Unit 1 General Power Block Area - 1AR20	REMOVE ALL CONSTRUCTION MATERIAL, START UP MATERIAL, TRASH AND DEBRIS FROM ALL AREAS OF THE POWER BLOCK. - TOTAL WESTERN & PETRO CHEM HAS CONSTRUCTION MATERIALS THRU OUT THE BASE OF TOWER AND ACC	Disapproved	2nd Priority	5/2/14 RLS			CIVIL
1AR20	1047	257925	Unit 1 General Power Block Area - 1AR20	INSTALL BOLLARDS AT CONSTRUCTION POWER PANEL 1-EA-2X ON THE SE CORNER OF THE ACC. SEE CEC SECTION 110.27(B) - PREVENT PHYSICAL DAMAGE. - NOT ON BECHTEL SUPPLIED PUNCH LIST - NOT DONE	Disapproved	2nd Priority	5/2/14 RLS			PE
1AR20	1047	257932	Unit 1 General Power Block Area - 1AR20	TIGHTEN DOWN THE BOLTS ON THE HATCH LEADING IN TO THE WR VALVE BOX ON TOP OF THE NORTH POWER BLOCK BERM. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			PIPING
1AR20	1047	257936	Unit 1 General Power Block Area - 1AR20	THERE IS A DRAIN LINE FROM THE AIR COMPRESSOR FOUNDATION THAT IS ROUTED DIRECTLY IN THE NORTH SWALE. NRG IS CONCERNED THAT THIS DRAIN WILL CONTAIN OILY WATER FROM THE COMPRESSORS AND CANNOT BE ROUTED DIRECTLY IN TO THE SWALE. WASTE WATER - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			PE
1AR20	1047	363376	Unit 1 General Power Block Area - 1AR20	PRIOR TO LAYING GRAVEL, GRADE WAS NOT RAISED TO PROPER ELEVATION FOR ADEQUATE DRAINAGE IN POWER BLOCK AND SURROUNDING AREAS. CURRENTLY, GRADE IS SLOPED INWARD TOWARD THE POWER BLOCK AND NEEDS TO BE SLOPED AWAY. - ITEM IS DISPUTED BY BECHTEL - NOT DONE	Disapproved	2nd priority	3/20/14 RLS 5/2/14 RLS			CIVIL
1AR20	1047	363377	Unit 1 General Power Block Area - 1AR20	AT THE NW CORNER OF STG AND LUBE OIL BUILDING IS A LOW SPOT THAT WILL RETAIN WATER. THERE NEEDS TO BE A SWALE RUNNING WEST ALONG SWITCHYARD TO ROAD. REFERENCE CBC SECTION 1803.3 SITE GRADING - ITEM IS DISPUTED BY BECHTEL - NOT DONE	Disapproved	2nd priority	3/20/14 RLS 5/2/14 RLS			CIVIL
1AR20	1047	363380	Unit 1 General Power Block Area - 1AR20	OPEN UP SEAL AT EMERGENCY GENERATOR SE CORNER TO CONNECT WITH STORM DRAIN. - ITEM IS DISPUTED BY BECHTEL - NOT DONE	Disapproved	2nd priority	3/20/14 RLS 5/2/14 RLS			CIVIL

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1AR20	1047	363771	Unit 1 General Power Block Area - 1AR20	DRAIN PIPE FROM PLANT AIR NEEDS TO BE REROUTED TO THE OILY WATER SEPARATOR. CURRENTLY IT DRAINS INTO THE RAIN WATER DITCH. - NOT ON BECHTEL SUPPLIED PUNCH LIST - NOT DONE	Disapproved	2nd Priority	5/2/14 RLS			PIPING
1AR20	1047	363773	Unit 1 General Power Block Area - 1AR20	SWALES NEED TO BE ADJUSTED AND INSTALLED PER THE APPROVED DRAWINGS. DRAWINGS INDICATE A 1:3 SLOPE. - IT DOES NOT APPEAR THAT THE GRADE IS 1 IN 3 AS PER APPROVED PLANS	Disapproved	2nd Priority	5/2/14 RLS			SUBCON
1AR20	1047	366736	Unit 1 Power Block Earthwork, Grading, Drainage & Roadway Lighting	Provide water tight connection on top of J-Box, ID and protect cables per code - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st Priority	5/2/14 RLS			
1AR20	1047	366738	Unit 1 Power Block Earthwork, Grading, Drainage & Roadway Lighting	Provide bollards at Fire Hydrants (vehicular damage) - NOT COMPLETED PER APPROVED PLANS DRAWING # 001-P1K-0000-00001	Disapproved	1st Priority	5/2/14 RLS			
1AR20	1047	366739	Unit 1 Power Block Earthwork, Grading, Drainage & Roadway Lighting	Provide bollards at MDB11 - UNABLE TO LOCATE	Disapproved	1st Priority	5/2/14 RLS			
1AR20	1047	366740	Unit 1 Power Block Earthwork, Grading, Drainage & Roadway Lighting	Protect all Fire Hydrants and electrical equipment from vehicular damage. - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st Priority	5/2/14 RLS			
1AR20	1047	366742	Unit 1 Power Block Earthwork, Grading, Drainage & Roadway Lighting	1st culvert not graded per design. - INLET IS STILL BLOCKED WITH SOIL	Disapproved	2nd Priority	5/2/14 RLS			
1AR20	1047	366746	Unit 1 Power Block Earthwork, Grading, Drainage & Roadway Lighting	Clean culverts. - 1ST CULVERT CROSSING INLET IS BLOCKED WITH SOIL AND CULVERT PIPES HAVE NOT BEEN CLEANED	Disapproved	2nd Priority	5/2/14 RLS			
1AR20	1047	366748	Unit 1 Power Block Earthwork, Grading, Drainage & Roadway Lighting	Confirm if lighting (wooden poles) in common areas are to remain or be removed (near 10'-wide). - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	5/2/14 RLS			
1AR20	1047	366749	From Guard Shack to Unit 1 AreaUnit 1 Power Block Earthwork, Grading, Drainage & Roadway Lighting	Provide bollards around Fire Hydrants in area. - NOT DONE PER APPROVED PLANS SEE ITEM # 366738	Disapproved	1st Priority	5/2/14 RLS			
1AR20	1047	366750	Unit 1 Power Block Earthwork, Grading, Drainage & Roadway Lighting	Provide bollards around e-panels. - NOT DONE	Disapproved	1st Priority	5/2/14 RLS			
1AR20	1047	366752	Unit 1 Power Block Earthwork, Grading, Drainage & Roadway Lighting	Drain pipe from plant air needs to run directly to oily water separator and not into rainwater ditch. - NOT ON BECHTEL SUPPLIED PUNCH LIST - STILL NOT DONE	Disapproved	2nd Priority	5/2/14 RLS			
1AR21	1057		1AR21-Structural Steel Tower 439' - 451'	Incomplete 3/4" conduit attached to cable tray 11130TMB15 - NOT ON BECHTEL SUPPLIED PUNCH LIST NO CHANGE	Disapproved	2nd priority	2/27/14 CG 4/20/14 RLS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 1/31/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.	
1AR21	1057	257395	1AR21-Structural Steel Tower 439' - 451'	INSTALL PERSONNEL PROTECTION INSULATION ON THE 2" VERTICAL PIPE LOCATED 3' SOUTH OF L2 LINE AND 1' WEST OF 20 LINE ON ELEVATION 451'-3"	Disapproved	2nd Priority				SUBCON
1AR21	1057	257396	1AR21-Structural Steel Tower 439' - 451'	NRG IS NOT SATISFIED WITH THE MANNER IN WHICH THE INSTRUMENTATION BOXES ARE BEING INSTALLED ON ELEVATION 451'-3". BOXES ARE INADEQUATELY SUPPORTED AND PUTTING STRESS ON INSTRUMENTS AND ATTACHMENTS.	Disapproved	2nd Priority				INSTR
1AR21	1057	257412	1AR21-Structural Steel Tower 439' - 451'	PROVIDE PROPER SUPPORT FOR WS AND PA HOOKUP STATIONS LOCATED ON K LINE AND 2' WEST OF 17 LINE ON ELEVATION 451'-3". INVESTIGATE WHY WS LINE IS CAPPED AT THIS LOCATION.	Disapproved	2nd Priority				PIPING
1AR21	1057	257444	1AR21-Structural Steel Tower 439' - 451'	NRG FEELS THAT NO COMMODITIES ARE ALLOWED TO BE ATTACHED TO THE TOP RAIL OF THE GUARD RAIL ON ELEVATION 451'-3", SPECIFICALLY LIGHTS. SEE OSHA REGULATIONS 29 CFR PART 1910 OCCUPATIONAL SAFETY AND HEALTH STANDARDS SUBPART D, SUBPART TITLE WALKING-WORKING SURFACES STANDARD NUMBERS 1910.21 TITLE DEFINITIONS AND SECTIONS 1910.23 SECTIONS 1910.21(a)(4), 1910.23(e)(1), 1910.23(e)(6) and CAL/OSHA Title 8, SECTIONS 3636(a), 3209(a) AND 3209(b) INCLUDING THE NOTE. ALSO SEE CBC SECTIONS 1012.1 AND 1607.7. LIGHTING INSTALLATION ON GUARDRAILS IS APPROVED PER SUBMITTAL STRUC-1-9.09 "LIGHT STANDARD ATTACHED TO GUARDRAIL". ATTACHMENTS USED DO NOT COMPLY WITH BECHTEL LIGHTING SUBMITTAL 000-EU-0000-00001 INSTALLATIONS ARE DISAPPROVED.	Disapproved	2nd Priority	3/31/14 TV			PE
1AR21	1057	257445	1AR21-Structural Steel Tower 439' - 451'	NRG FEELS THAT NO COMMODITIES ARE ALLOWED TO BE ATTACHED TO THE TOP RAIL OF THE GUARD RAIL ON ELEVATION 460'-7", SPECIFICALLY LIGHTS.	Disapproved	2nd Priority				PE
1AR21	1057	363757	1AR21-Structural Steel Tower 439' - 451'	EL 451'-3" FABRICATE AND INSTALL CHECKER PLATE COVER GAP IN DOUBLED PIPE TOE PLATE PENETRATION LOCATED 2' EAST OF 16 LINE AND 10' SOUTH OF L2 LINE. - NOT DONE	Disapproved	1st Priority	5/2/14 RLS			CIVIL
1AR21	1057	366763	1AR21-Structural Steel Tower 439' - 451'	Remove all temporary power cables - NOT ON BECHTEL SUPPLIED PUNCH LIST NO CHANGE	Disapproved	2nd Priority	4/20/14 RLS			

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1AR21	1236	363267	1AR21 Area, Cable Tray Scope	LEVEL 10, NO ISSUES EXCLUDING TEMP WIRING FLOATING IN SHAFT WAY - NOT ON BECHTEL SUPPLIED PUNCH LIST NO CHANGE	Disapproved	1st Priority	4/20/14 RLS			ELECT
1AR22	1058		1AR22 - Structural Steel Tower 460' - 472'	Incomplete 3/4" conduit attached to cable tray 11140TMA35 - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION	Disapproved	2nd priority	2/27/14 CG 4/20/14 RLS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 1/31/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.	
1AR22	1058	67606	1AR22	REMOVE ALL TEMP POWER CABLES - NOT ON BECHTEL SUPPLIED PUNCH LIST NO CHANGE	Disapproved	2nd Priority	4/20/14 RLS			ELECT
1AR22	1058	257452	1AR22	PROVIDE ADDITIONAL SUPPORT FOR PIPE LOCATED ON 17 LINE AND 7' NORTH OF D LINE AT 3' AFF ON ELEVATION 472'-3" WHERE PIPE IS EXPERIENCING EXCESSIVE MOVEMENT.	Disapproved	1st Priority				PIPING
1AR22	1058	366775	1AR22	Remove all temporary power cables - NOT ON BECHTEL SUPPLIED PUNCH LIST NO CHANGE	Disapproved	2nd Priority	4/20/14 RLS			
1AR22	1237	363276	1AR22 Area, Cable Tray Scope	TEMP CABLING NOT SECURED OR SECURED TO STAIR RAILS	Disapproved	2nd Priority				OPS
1AR23	1060	67607	1AR23 - ELEVATION 492' THROUGH 500'	REMOVE ALL TEMP POWER CABLES - NOT ON BECHTEL SUPPLIED PUNCH LIST NO CHANGE	Disapproved	2nd Priority	4/20/14 RLS			ELECT
1AR23	1060	257465	1AR23 - ELEVATION 492' THROUGH 500'	PROVIDE ADDITIONAL SUPPORT FOR PIPE LOCATED 2' WEST OF COLUMN P-20 ON ELEVATION 491'-6" THAT IS EXPERIENCING EXCESSIVE MOVEMENT. - NOT ON BECHTEL SUPPLIED PUNCH LIST NO CHANGE	Disapproved	1st Priority	4/20/14 RLS			PE
1AR23	1060	257474	1AR23 - ELEVATION 492' THROUGH 500'	PROVIDE ADDITIONAL SUPPORT FOR VERTICAL PIPE SUPPORTING PRESSURE GAGE LOCATED 5' SOUTH OF G.2 LINE AND 3' EAST OF 19 LINE 8' AFF ON ELEVATION 491'-6". - NOT ON BECHTEL SUPPLIED PUNCH LIST NO CHANGE	Disapproved	1st Priority	4/20/14 RLS			PE
1AR23	1060	257483	1AR23 - ELEVATION 492' THROUGH 500'	PROVIDE ADDITIONAL SUPPORT FOR VERTICAL PIPES AT (8) LOCATIONS ON ELEVATION 500'-10". PIPES CAN BE EASILY MOVED BY HAND AND DO NOT HAVE ADEQUATE LATERAL SUPPORT. - NOT ON BECHTEL SUPPLIED PUNCH LIST NO CHANGE	Disapproved	1st Priority	4/20/14 RLS			PE
1AR23	1060	366787	1AR23 - ELEVATION 492' THROUGH 500'	Remove all temporary power cables - NOT ON BECHTEL SUPPLIED PUNCH LIST NO CHANGE	Disapproved	2nd Priority	4/20/14 RLS			
1AR23	1238	363289	1AR23 Area, Cable Tray Scope	VERTICAL TRAY 11140TSR40 - SECURE ALL CABLES IN TRAY, IMPROPER CLEARANCES AT POWER CABLES, TEMP CABLES IMPROPERLY SECURED OR NOT SECURED AT ALL CREATING A HAZARD. TIED OFF ON STAIR RAILS, HANGING FREELY IN STAIR SHAFT, ETC. - NOT ON BECHTEL SUPPLIED PUNCH LIST NO CHANGE	Disapproved	1st Priority	4/20/14 RLS 4/30/14 CG			OPS
1AR24	999		1AR24- Structural Steel Tower 510' - 524'	Multiple seal tite conduits damaged on top of steam lines west of 17 line @ 3598'-7" elevation adjacent to 1-AA-TE-3519	Disapproved	1st priority	2/27/14 CG		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 1/31/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.	
1AR24	999	366792	1AR24 - ELEVATION 510' THROUGH 524'	Complete installation of all toe/kick plates @ all grating penetrations - UNABLE TO GET TO THE NORTH SIDE OF THE BOILER	Disapproved	1st Priority	5/2/14 RLS			
1AR24	999	366793	1AR24 - ELEVATION 510' THROUGH 524'	Verify grating is adequately secured to structural steel - UNABLE TO GET TO THE NORTH SIDE OF THE BOILER	Disapproved	2nd Priority	5/2/14 RLS			
1AR24	999	366799	1AR24 - ELEVATION 510' THROUGH 524'	Remove all temporary power cables	Disapproved	2nd Priority				
1AR24	1239	363298	1AR24 Area, Cable Tray Scope	11160THR60 7'6" BETWEEN SUPPORTS-ENGINEERING APPROVED FOR 5' PG. 52 - UNABLE TO LOCATE BECHTEL ENGINEERING TO SUPPORT AS IS CONDITION, DUPLICATE OF 363300 - NO CHANGE	Disapproved	1st Priority	4/20/14 RLS 4/30/14 CG			PE
1AR24	1239	363302	1AR24 Area, Cable Tray Scope	11160TMB01 VERTICAL TRAY, PROTECT CABLES AT FLOOR GRATING, MISSING BOND TO CABLE TRAY BELOW. MANY DOUBLE PICTURE FRAMED CANTILEVERS 18" TO 22" INSTALLED W/O SUPPORTING ENGINEERING. - WILL BE APPROVED WHEN ENGINEERING DOCUMENT 25542-000-ERV-0000-00012 IS INCLUDED IN APPROVED PLAN - NO CHANGE	Disapproved	1st Priority	4/20/14 RLS 4/30/14 CG			PE
1AR25	998		1AR25- Structural Steel Tower 524' - 551'	1-AA-TE-4651A has broken seal tite	Disapproved	1st priority	2/27/14 CG		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 1/31/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.	

SYSTEM	INSPECTION REPORT #	ITEM #	E_ID / AREA TO BE INSPECTED	PUNCH LIST DATE June 5, 2014 DESCRIPTION / COMMENTS	STATUS	PRIORITY	CBO DATE & INITIAL	CBO/INSPECTOR SIGNATURE	NOTES	BECHTEL'S DISCIPLINE
1AR25	998	366806	1AR25	Ensure all landings, stairs, railings, steps, risers, and guardrails comply with CBC Chapter 10 - LAST STEP TO LEVEL IS OFF BY 5/8" TO MEET CBC AND CALOSHA REQUIREMENTS	Disapproved	1st Priority	5/2/14 RLS			
1AR25	998	366811	1AR25	Remove all temporary power cables	Disapproved	2nd Priority				
1AR25	1240	363310	1AR25 Area, Cable Tray Scope	CABLES NOT SECURLY FASTENED TO TRAY, REMOVE TEMP WIRING INSTALLATION IS CREATING A HAZARD (MAJOR STRESS NON TOE PLATE, SECURED TO STAIR RAILING). KILNS GRIP HANGING OFF STAIR RAILS. - NOT PART OF BECHTEL SUPPLIED PUNCH LIST NO CHANGE	Disapproved	1st Priority	4/20/14 RLS			OPS
1AR25	1240	363311	1AR25 Area, Cable Tray Scope	11170TMA07 NO SUPPORTING ENGINEERING FOR FRAMED CANTILEVERED CONFIGURATIONS. HORIZONTAL TEE TRAY SUPPORT IS NOT PER PG. 22 DETAIL ON BOTTOM. - WILL BE APPROVED WHEN ENGINEERING DOCUMENT 25542-000-ERV-0000-00012 IS INCLUDED IN APPROVED PLANS - NO CHANGE	Disapproved	1st Priority	3/31/14 TV 4/20/14 RLS 4/30/14 CG			PE
1AR35	1064	363766	Unit 1 Access Rd 1AR35	CLEAN OUT ALL CULVERTS. - CULVERT # 1 AS YOU ENTER THE SITE; THE INLET SIDE IS NOT OPEN/UNCOVERED THE CULVERT PIPES THEMSELVES ARE NOT CLEAN AND THERE IS NO POSITIVE DRAIN ON THE OUTLET SIDE OF THE CULVERT - NOT DONE	Disapproved	2nd Priority	3/20/14 RLS 5/2/14 RLS			CIVIL
1AR35	1064	363778	Unit 1 Access Rd 1AR35	PROVIDE BOLLARDS AROUND FIRE HYDRANTS IN AREAS NEAR NRG OFFICES - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st Priority	5/2/14 RLS			OPS
1AR35	1064	363779	Unit 1 Access Rd 1AR35	PROVIDE BOLLARDS AROUND E-PANELS IN AREAS NEAR NRG OFFICES- NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st Priority	5/2/14 RLS			OPS
1AR35	1064	366821	Unit 1 Access Rd 1AR35	Expose west side of culvert (1st concrete location) grade is at top of concrete. NOT DONE - DUPLICATE OF # 363761	Disapproved	2nd Priority	3/20/14 RLS 5/2/14 RLS			
1AR35	1064	366823	Unit 1 Access Rd 1AR35	Provide erosion control for concrete culverts - all locations. NOT DONE - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	2nd Priority	3/20/14 RLS 5/2/14 RLS			
1BM1	1070	82550	System 1BM1, Blow down system	THE RISER COMING OUT OF THE GROUND WHERE THERE IS A FLANGED CONNECTION DOWN STREAM OF THE HEATER BAY NEEDS TO BE INSULATED WITH ONE OF THE TIED/VELCRO INSULATED WRAPS	Disapproved	2nd Priority				SUBCON
1BM1	1070	82558	System 1BM1, Blow down system	THERE ARE LOOSE ELECTRICAL FITTING ON TW 0032 ON THE SRSG BLOW DOWN TANK	Disapproved	2nd Priority				INSTR
1EL1	1124		1-EC-EC-2111A-03FA-R_UNIT 1 STG MCC 1: BCP EEM LIGHTING XFMR DISCONNECT	Not walked/inspected.	Disapproved	1st Priority	4/16/14 TV/SH			
1EL1	1124		1-EC-EC-2111B-06FK-R_UNIT 1 STG MCC 2: SRSG LIGHTING TRANSFORMER 101	Not walked/inspected.	Disapproved	1st Priority	4/16/14 TV/SH			
1EL2	1123	366846	1-EL-CPL-401_UNIT 1 FAA MASTER CONTROL PANEL	Provide bonding at cable trays to panels permanent panel identification and provide proper working clearance at TXFR 102 7/22/13 MS	Disapproved	1st Priority				
1FL2		90714		NEED FULL THREAD ENGAGEMENT ON ALL LUBE OIL SKID ANCHOR BOLT NUTS	Disapproved	2nd Priority				MECH
1FL2		90719		INSTALL MISSING PIPE JOINT SAFETY SHIELDS ON THE 1" LINE OFF THE GEAR REDUCTION	Disapproved	2nd Priority				PIPING
1JA1	1208	89194	System 1JA1 Steam Sample System	INSTALL SIDE PANEL ON SWAS CHILLER	Disapproved	2nd Priority				SU-MECH
1JA1	1208	89218	System 1JA1 Steam Sample System	TIGHTEN ALL HARDWARE ON RED HANDWHEELS (GATE VALVES ON COOLERS)	Disapproved	2nd Priority				INSTR
1JD6	933	84108	1JD6, Central control room solar fied SFC control	NO REDLINE DRAWINGS PROVIDED	Disapproved	2nd Priority				SU-DCS
1PA2		85522		TORQUE ANCHOR (LOOSE NUT) ON PIPE SUPPORT 001-PH-PA-0900	Disapproved	2nd Priority				PIPING
1PF1	1244	359340	Unit 1 1PF1 UPS System	PRESSURE TEST WORK PACKAGE #001-P31-PF-0002 SHOWS PRESSURE DROP OF 238PSI. PLEASE PROVIDE ACCEPTANCE CRITERIA MECHANICAL ISSUE MOVED TO CBO REQUEST # 1244	Disapproved	2nd Priority	3/25/14 MS			
1PF1	1244	359341	Unit 1 1PF1 UPS System	PRESSURE TEST WORK PACKAGE, #001-P31-PF-00003 AND 001-P31-PF-00005, HAS NO ENTRY FOR PRESSURE DROP DURING TEST MECHANICAL ISSUE MOVED TO CBO REQUEST # 1244	Disapproved	2nd Priority	3/25/14 MS			
1PF1	1244	359348	Unit 1 1PF1 UPS System	PROVIDE RECORDS FOR THE FLOW TESTS PERFORMED THROUGH THE HYDRANTS MECHANICAL ISSUE MOVED TO CBO REQUEST # 1244	Disapproved	2nd Priority	3/25/14 MS			
1PF1	1244	359355	Unit 1 1PF1 UPS System	ON EACH DIESEL FIRE PUMP, THE PCV (POSITIVE CRANKCASE VENT) VALVE VENT HOSE COMING OFF OF THE ENGINE IS ROUTED DIRECTLY BENEATH THE USER INTERFACE. THE FUMES EXHAUSTED FROM THE HOSE PRESENT A POTENTIAL ISSUE WHEN THE TECHNICIANS ARE RUNNING THE DIES MECHANICAL ISSUE MOVED TO CBO REQUEST # 1244	Disapproved	1st Priority	3/25/14 MS 5/20/14 TV			
1PF2	1202		Unit 1 Fire Extinguishers	ACC E-HOUSE MOUNTING HEIGHT EXCEEDS 5' CFC 906.9	Disapproved	1st Priority	6/4/14 MS			
1PF7	800	254623	1PF7, Foam deluge sprinkler system	INSTALL PERMANENT EQUIPMENT SIGN ON VALVE HOUSE	Disapproved	1st Priority	5/20/14 TV			MECH
1PG1	1117	84080	1PG1 System, Service Gas System & Nitrogen Bottles	PIPE SHOE NOT INSTALLED CORRECTLY ON SUPPORT DOWNSTREAM OF PSV-0903	Disapproved	2nd Priority				
1PW1	802	61635	1PW1, Potable Water System	TEST TEMP AND PRESSURE VALVE ON HOT WATER HEATER IN PSB ONCE POTABLE WATER IS AVAILABLE	Disapproved	2nd Priority				SU-MECH

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1PW1	802	61636	1PW1, Potable Water System	TIGHTEN SEISMIC STRAPS ON HOT WATER HEATER ONCE POTABLE WATER IS AVAILABLE AND TANK IS FULL OF WATER	Disapproved	2nd Priority				SU-PIPING
1PW1	802	237283	1PW1, Potable Water System	RELIEF VALVE OFF DISCHARGE OF 1-PW-MP-002A IS SET AT 65 PSI ACCORDING TO VALVE INSELF IN FIELD. P&ID STATES RELIEF VALVE SHOULD BE SET AT 45 PSI. MODIFY VALVE IN FIELD OR CHANGE P&ID.	Disapproved	2nd Priority				SU-MECH
1PW1	802	237284	1PW1, Potable Water System	RELIEF VALVE OFF DISCHARGE OF 1-PW-MP-002B IS SET AT 65 PSI ACCORDING TO VALVE INSELF IN FIELD. P&ID STATES RELIEF VALVE SHOULD BE SET AT 45 PSI. MODIFY VALVE IN FIELD OR CHANGE P&ID.	Disapproved	2nd Priority				SU-MECH
1PW1	802	237285	1PW1, Potable Water System	INSTALL 1-PW-PI-0609	Disapproved	2nd Priority				MECH
1PW1	802	237302	1PW1, Potable Water System	DEMINEALIZED WATER ANALYSER SHELTER SELF EYE WASH STATION NEEDS POTABLE WATER	Disapproved	1st Priority	5/20/14 TV			SU-MECH
1PW1	802	237303	1PW1, Potable Water System	SAMPLING SYSTEM SELF EYE WASH STATION NEEDS POTABLE WATER	Disapproved	1st Priority	5/20/14 TV			SU-MECH
1PW1	802	237304	1PW1, Potable Water System	BOILER CIRCULATION PUMP UPS BATTERY ROOM SELF EYE WASH STATION NEEDS POTABLE WATER	Disapproved	2nd Priority				SU-MECH
1PW1	802	237305	1PW1, Potable Water System	BATTERY ROOM SELF CONTAINED EYE WASH STATION NEEDS POTABLE WATER	Disapproved	1st Priority	5/20/14 TV			SU-MECH
1PW1	802	237328	1PW1, Potable Water System	COMMISSION POTABLE WATER SYSTEM	Disapproved	1st Priority	5/20/14 TV			PIPING
1PW1		366877	1-PW-PY-002_UNIT 1 ESEW WSAC CHEMICAL TRTMENT AREA (HT)	Provide equipment ID's and complete heat trace 06/13/2013 MS HEAT TRACE COMPLETE, INCORRECT DEVICE LABELLED AS PERMANENT	Disapproved	2nd Priority	4/30/14 CG			
1PW1		366878	1-PW-PY-004_UNIT 1 ESEW BOILER CHEM. SKID AREA (HT)	Provide equipment ID's and complete heat trace 06/13/2013 MS HEAT TRACE COMPLETE, INCORRECT DEVICE LABELLED AS PERMANENT	Disapproved	2nd Priority	4/30/14 CG			
1SA1	799	90787	1SA1, Night Preservation Boiler System	1-SA-PI-0706 IS BROKEN	Disapproved	2nd Priority				SU-INSTR
1SA1	799	90795	1SA1, Night Preservation Boiler System	TIGHTEN HANGER ROD OFF PSV-901 VENT LINE	Disapproved	2nd Priority				PIPING
1SA2	925		1-SA-HV-0534_UNIT 1 AUX BLR STM TO HRH ISO VL	Not walked/inspected.	Disapproved	1st Priority	3/3/14 CG 3/26/14 TV		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 1/31/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO 3/26/14 Bechtel has not notified the CBO that the work is complete and ready for inspection, nor has provided support to complete the inspection.	
1SA2	1075	254291	System 1SA2 Auxilliary Steam System	COVER 1-SB-LE-0013	Disapproved	2nd Priority				INSTR
1SA2	1075	254303	System 1SA2 Auxilliary Steam System	REPAIR LEAK THAT APPEARS TO BE ON 1-SB-FE-0048 ON 12" SH OUTLET. THIS IS CURRENTLY UNDER INSULATION BLANKET.	Disapproved	2nd Priority				SU-MECH
1SC1		363571		FINALIZE WET SPRINKLER SYSTEM IN CONTROL, BATTERY, AND ELECTRICAL ROOMS (REMOVAL OR MODIFICATION).	Disapproved	1st Priority				CONSTR
1SC1		363596		MODIFY STG FIRE PROTECTION TO ALLOW SYSTEM TO REMAIN IN SERVICE WITHOUT EXCITER CONCERNS.	Disapproved	1st Priority				PE
1SC1		363600		RESOLVE CBO DISPUTED ITEMS.	Disapproved	1st Priority				CONSTR
1SC1		363602		PROVIDE FINAL CERTIFICATION OF POTABLE WATER SYSTEM.	Disapproved	1st Priority				SU-MECH
1SL1	1088	254151	System 1SL1 Seal Steam System	RE-TERM 1-SL-TE-LBA50CT005. BAD FITTING, WIRES ARE PULLED OUT.	Disapproved	1st Priority				SU-INSTR
1TL1	795	89106	1TL1, WSAC Chemical Injection System	PROVIDE REDLINED PANEL SCHEDULE IN 1-EC-EC-7111A-05FA. BREAKER 4 NEEDS TO CHANGE 'DISPERSANT' TO 'SODIUM ASH'.	Disapproved	1st Priority				PE
1VB2	773	89273	1VB2, EEM - HVAC System	DRAINS OFF 1-VB-MA-001A & 1-VB-MA-001B NEED TO BE ROUTED TO APPROVED LOCATION	Disapproved	2nd Priority				SU-MECH
1VB3	1042	89295	1VB3 System, Unit 1 HVAC at BCP UPS Ehouse	TIGHTEN DUCT SUPPORT HARDWARE IN WEST SIDE OF BPS EEM	Disapproved	2nd Priority				SU-MECH
1WB1	717	254316	1WB1 SYSTEM, CLOSED COOLING WATER SYSTEM	ALL CARBON TO STAINLESS STEEL TRANSITIONS FROM CLOSED COOLING WATER TO AUX BOILER NEED INSULATING FLANGES	Disapproved	2nd Priority				PE
1WD1	522	84146	Unit 1 1WD1 System Demin Water System	FLANGE COVERS ON DEMIN TRAILER SUB UPS	Disapproved	2nd Priority				SUBCON
1WR1	404	87474	Unit 1 1WR1 Raw Water System	STRAINER BLOW DOWN CAN IT BE BLOWN TO GROUND. SEE CMC SECTIONS 1007.0 AND 1018.0 FOR DISCHARGE OF STEAM/WATER SECTIONS 1007.0 AND 1018.0.	Disapproved	2nd Priority				PE
1WR1	404	87486	Unit 1 1WR1 Raw Water System	CONDENSATE POLISHER SLUICE TO TANK HANGER NEEDS THREAD ENGAGEMENT	Disapproved	2nd Priority				PIPING
1WR1	404	87494	Unit 1 1WR1 Raw Water System	INSTALL PERMANENT GATE	Disapproved	2nd Priority				MECH
1WR1	404	237095	Unit 1 1WR1 Raw Water System	NO HOLE IN HINGE FOR HINGE PIN ON VAULT DOOR FOR 9-WR-V-735	Disapproved	1st Priority	5/20/14 TV			CIVIL
1WR1	404	237099	Unit 1 1WR1 Raw Water System	9-WR-V-737 IN VIOLATION OF P&ID NOTE 9. (NOT BELOW FROST LINE)	Disapproved	2nd Priority				CIVIL
1WR1	404	254987	Unit 1 1WR1 Raw Water System	REMOVE ALL TEMPORARY PIPING AND RESTORE PERMANENT PIPING ON RAW WATER TANK 001-WR-MT-001	Disapproved	2nd Priority				SU-MECH
1WR1	404	254996	Unit 1 1WR1 Raw Water System	MISSING LOCK AND FLAT WASHERS ON 1-WR-MP-001A&B PUMP MOTOR FEET	Disapproved	2nd Priority				MECH
1WR1	404	254999	Unit 1 1WR1 Raw Water System	COMMISSION EYE ALERT SYSTEM ON PUMP 001-WR-MP-001A	Disapproved	2nd Priority				SU-MECH

[illegible]

IVANPAH PROJECT PUNCH LISTS - UNIT 2

Disapproved	482	221	1st Priority
Approved	4,249	150	2nd Priority
Closed	1,747	1,710	CBO App. NR
		4,310	Closed

	367767	MAXIMUM PUNCH LIST ITEM NUMBER
6,497	4,098	TOTAL PUNCH LIST ITEMS

Total	6,478	6,391

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2AA1	754	362095	2AA1 System Steam, Circulation, Superheater Reheat	CONSTRUCTION FLOOR 9 - ELEV. 439': INSTALL ENCLOSURE ON 2-AA-PDIT-2580	Disapproved	1st Priority				INSTR
2AA1	754	362096	2AA1 System Steam, Circulation, Superheater Reheat	CONSTRUCTION FLOOR 9 - ELEV. 439': INSTALL ENCLOSURE ON 2-AA-PDIT-2570	Disapproved	1st Priority				INSTR
2AA1	754	362097	2AA1 System Steam, Circulation, Superheater Reheat	CONSTRUCTION FLOOR 9 - ELEV. 439': INSTALL ENCLOSURE ON 2-AA-PDIT-2080	Disapproved	1st Priority				INSTR
2AA1	754	362098	2AA1 System Steam, Circulation, Superheater Reheat	CONSTRUCTION FLOOR 9 - ELEV. 439': INSTALL ENCLOSURE ON 2-AA-PDIT-2070	Disapproved	1st Priority				INSTR
2AA1	754	362124	2AA1 System Steam, Circulation, Superheater Reheat	CONSTRUCTION FLOOR 10 - ELEV. 451.25': LIMIT SWITCH CONDUIT/FLEX GOES INTO INSULATION OF PIPING NEXT TO 2-AA-V-2032A	Disapproved	2nd Priority				INSUL
2AA1	754	362127	2AA1 System Steam, Circulation, Superheater Reheat	CONSTRUCTION FLOOR 11 - ELEV. 460.58': INSTALL ENCLOSURE FOR 2-AA-DPI-4045	Disapproved	1st Priority				INSTR
2AA1	754	362128	2AA1 System Steam, Circulation, Superheater Reheat	CONSTRUCTION FLOOR 11 - ELEV. 460.58': INSTALL ENCLOSURE ON 2-AA-FIT-5302	Disapproved	1st Priority				INSTR
2AA1	754	362129	2AA1 System Steam, Circulation, Superheater Reheat	CONSTRUCTION FLOOR 11 - ELEV. 460.58': INSTALL ENCLOSURE ON 2-AA-FIT-5802	Disapproved	1st Priority				INSTR
2AA1	754	362132	2AA1 System Steam, Circulation, Superheater Reheat	CONSTRUCTION FLOOR 12 - ELEV. 472.25': PIPE LINE CONTAINING 2-AA-V-5304A&B IS NOT ADAQUATELY SUPPORTED	Disapproved	2nd Priority				PIPING
2AA1	754	362133	2AA1 System Steam, Circulation, Superheater Reheat	CONSTRUCTION FLOOR 12 - ELEV. 472.25': PIPE LINE CONTAINING 2-AA-V-5303A&B IS NOT ADAQUATELY SUPPORTED	Disapproved	2nd Priority				PIPING
2AA1	754	362134	2AA1 System Steam, Circulation, Superheater Reheat	CONSTRUCTION FLOOR 12 - ELEV. 472.25': PIPE LINE CONTAINING 2-AA-V-5804A&B IS NOT ADAQUATELY SUPPORTED	Disapproved	2nd Priority				PIPING
2AA1	754	362135	2AA1 System Steam, Circulation, Superheater Reheat	CONSTRUCTION FLOOR 12 - ELEV. 472.25': PIPE LINE CONTAINING 2-AA-V-5803A&B IS NOT ADAQUATELY SUPPORTED	Disapproved	2nd Priority				PIPING
2AA1	754	362140	2AA1 System Steam, Circulation, Superheater Reheat	CONSTRUCTION FLOOR 12 - ELEV. 472.25': 2-AA-TE-3001 IS BROKEN. REPLACE TE.	Disapproved	2nd Priority				SU-INSTR
2AA1	754	362141	2AA1 System Steam, Circulation, Superheater Reheat	CONSTRUCTION FLOOR 12 - ELEV. 472.25': 2-AA-TE-3004 IS BROKEN. REPLACE TE.	Disapproved	2nd Priority				SU-INSTR
2AA1	754	362148	2AA1 System Steam, Circulation, Superheater Reheat	CONSTRUCTION FLOOR 13 - ELEV. 491.5': INSTALL ENCLOSURE ON 2-AA-PDIT-1076	Disapproved	1st Priority				INSTR
2AA1	754	362153	2AA1 System Steam, Circulation, Superheater Reheat	CONSTRUCTION FLOOR 13 - ELEV. 491.5': INSTALL ENCLOSURE ON 2-AA-PDIT-1074	Disapproved	1st Priority				INSTR
2AA1	754	362154	2AA1 System Steam, Circulation, Superheater Reheat	CONSTRUCTION FLOOR 13 - ELEV. 491.5': INSTALL ENCLOSURE ON 2-AA-FIT-1053	Disapproved	1st Priority				INSTR
2AA1	754	362157	2AA1 System Steam, Circulation, Superheater Reheat	CONSTRUCTION FLOOR 13 - ELEV. 491.5': 2-AA-TE-4393 IS BROKEN	Disapproved	2nd Priority				SU-INSTR
2AA1	754	362159	2AA1 System Steam, Circulation, Superheater Reheat	CONSTRUCTION FLOOR 14 - ELEV. 500.83': INSTALL ENCLOSURE ON 2-AA-FIT-7002	Disapproved	1st Priority				INSTR
2AA1	754	362170	2AA1 System Steam, Circulation, Superheater Reheat	CONSTRUCTION FLOOR 15 - ELEV. 524.35' (DRUM LEVEL): INSTALL ENCLOSURE ON 2-AA-FIT-4658) FIT IS NOT TAGGED, EAST SIDE OF FLOOR SOUTH OF DRUM. MAY NOT BE FIT-4658)	Disapproved	1st Priority				INSTR
2AA1	754	362172	2AA1 System Steam, Circulation, Superheater Reheat	CONSTRUCTION FLOOR 15 - ELEV. 524.35' (DRUM LEVEL): INSTALL 2-AA-PIT-1105B ENCLOSURE	Disapproved	1st Priority				INSTR
2AA1	754	362176	2AA1 System Steam, Circulation, Superheater Reheat	CONSTRUCTION FLOOR 15 - ELEV. 524.35' (DRUM LEVEL): FIX ALL BROKEN TE'S ON NORTH SIDE OF STEAM DRUM	Disapproved	2nd Priority				SU-INSTR
2AA1	754	362182	2AA1 System Steam, Circulation, Superheater Reheat	CONSTRUCTION FLOOR 15 - ELEV. 524.35' (DRUM LEVEL): INSTALL ENCLOSURE ON 2-AA-FIT-4251	Disapproved	1st Priority				INSTR
2AA1	754	362192	2AA1 System Steam, Circulation, Superheater Reheat	CONSTRUCTION FLOOR 16 - ELEV. 536': MOUNT 2-AA-TE-4562 TO EMT CONDUIT	Disapproved	2nd Priority				INSTR
2AA1	754	362195	2AA1 System Steam, Circulation, Superheater Reheat	CONSTRUCTION FLOOR 17 (TOP): 2-AA-TE-4865D IS BROKEN	Disapproved	2nd Priority				SU-INSTR
2AB1	1109	361180	System 2AB1 Main Steam, HP, HRH, CRH, LP System	PIPE HANGER MISSING BOLTS BETWEEN 2-AB-V-048 AND 2-AB-HV-0514	Disapproved	1st Priority				PIPING
2AC1	764	361771	2AC1 Generator, Turbine, and directly attached pip	SEAL 2-AF-PIT-1008 ENCLOSURE - NOT DONE	Disapproved	1st Priority	4/3/14 RLS			INSTR
2AD1	765	83520	2AD1 ACC Fans	INSTALL BFPD DUCT EXPANSION JOINT	Disapproved	1st Priority				MECH
2AD1	765	88661	2AD1 ACC Fans	FOR PENDING SMALL PIPE AND CONTROL VALVE INTERFERENCE, RELOCATE 002-PIT-0050A, B AND C ENCLOSURE AND RETUBE.	Disapproved	1st Priority				INSTR
2AD1	765	258257	2AD1 ACC Fans	WEST BRAKE ON STREET 1 EXTERIOR WASH WATER LADDER DOES NOT TOUCH WHEEL	Disapproved	2nd Priority				MECH

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2AD1	765	258270	2AD1 ACC Fans	REMOVE ALL TEMPORARY HOSE AND CONNECTIONS TO WASH WATER SKID	Disapproved	2nd Priority				SU-MECH
2AD1	765	258271	2AD1 ACC Fans	INSTALL PERMANENT PLUG DOWNSTREAM OF 2-WS-V-309	Disapproved	2nd Priority				SU-MECH
2AD1	765	258272	2AD1 ACC Fans	COMPLETE ALL PERMANENT PIPING CONNECTIONS OFF WASH WATER SKID	Disapproved	2nd Priority				SU-MECH
2AD2	766	360516	2AD2 ACC Vacuum Pump Systems	REPAIR DAMAGED ROOF PANEL ON 2-AR-MS-101	Disapproved	1st Priority				SU-MECH
2AD2	766	360517	2AD2 ACC Vacuum Pump Systems	INSTALL FLANGE AND PIPE SECTION OFF 2-AR-MT-0102	Disapproved	1st Priority				SU-MECH
2AD2	766	360518	2AD2 ACC Vacuum Pump Systems	INSTALL FLANGE AND PIPE SECTION OFF 2-AR-MT-0202	Disapproved	1st Priority				SU-MECH
2AD2	766	360519	2AD2 ACC Vacuum Pump Systems	INSTALL FLANGE AND PIPE SECTION OFF 2-AR-MT-0302	Disapproved	1st Priority				SU-MECH
2AD3	1110	77337	System 2AD3 Condensate System	MOUNT CONDENSER DUCT XMTR& COMPLETE TUBING AT 002-AB-PIT-0215.	Disapproved	1st Priority				INSTR
2AD3	1110	79158	System 2AD3 Condensate System	INSTALL HANGER 2-PH-AB-0043 (002-P30-AB-00041)	Disapproved	1st Priority				PIPING
2AD3	1110	360530	System 2AD3 Condensate System	REMOVE TEMPORARY INSTALLATION OF 2-AD-LIT-0110B. COMPLETE INSTALLATION AND TERMINATION OF PERMANENT 2-AD-LIT-0110B.	Disapproved	1st Priority				SU-INSTR
2AD3	1110	360531	System 2AD3 Condensate System	INSTALL 2-AD-V-343 (OFF 2-AD-LG-0108)	Disapproved	1st Priority				SU-INSTR
2AD5	769	359980	2AD5 Internal Drain Tank and Internal Drain Pumps	EXPANSION JOINT 2-AD-PY-018 IS OUT OF TOLERANCE	Disapproved	1st Priority				PIPING
2AD5	769	359981	2AD5 Internal Drain Tank and Internal Drain Pumps	EXPANSION JOINT 2-AD-PY-019 IS OUT OF TOLERANCE	Disapproved	1st Priority				PIPING
2AD5	769	359982	2AD5 Internal Drain Tank and Internal Drain Pumps	INSTALL 2-AD-FO-0232	Disapproved	1st Priority				SU-MECH
2AD6	771	88900	2AD6 External Drain Tank and External Drain pumps	PIPE SUPPORT MISSING SHOE AND HAS LOOSE U-BOLT NEXT TO VALVE 002-AA-HV-5393	Disapproved	2nd Priority				PIPING
2AD6	771	88901	2AD6 External Drain Tank and External Drain pumps	PIPE SUPPORT MISSING SHOE AND HAS LOOSE U-BOLT NEXT TO VALVE 002-AA-HV-5493	Disapproved	2nd Priority				PIPING
2AD6	771	88902	2AD6 External Drain Tank and External Drain pumps	PIPE SUPPORT MISSING SHOE AND HAS LOOSE U-BOLT NEXT TO VALVE 002-AA-HV-5993	Disapproved	2nd Priority				PIPING
2AD6	771	88907	2AD6 External Drain Tank and External Drain pumps	PIPE SUPPORT MISSING SHOE AND HAS LOOSE U-BOLT NEXT TO VALVE 002-AA-HV-5893	Disapproved	2nd Priority				PIPING
2AD6	771	88908	2AD6 External Drain Tank and External Drain pumps	PIPE SUPPORT MISSING SHOE AND HAS LOOSE U-BOLT NEXT TO VALVE 002-AA-HV-5793	Disapproved	2nd Priority				PIPING
2AD6	771	88909	2AD6 External Drain Tank and External Drain pumps	PIPE SUPPORT MISSING SHOE AND HAS LOOSE U-BOLT NEXT TO VALVE 002-AA-HV-5693	Disapproved	2nd Priority				PIPING
2AD6	771	88984	2AD6 External Drain Tank and External Drain pumps	VERIFY THERE IS NO SEAL LEAK ON 2-AA-HV-7057	Disapproved	2nd Priority				SU-MECH
2AD6	771	89004	2AD6 External Drain Tank and External Drain pumps	P&ID ERROR: FLAG ON 002-M6-SL-0001 TO 002-M6-AD-00004 IS NUMBERED 3408 ON THE SL P&ID AND 2408 ON THE AD P&ID. REFERENCE LINE 002-SL-L061-460-1".	Disapproved	2nd Priority				PE
2AE2	759	361474	2AE2 Strainers,SBFP and Heaters	INSTALL ENCLOSURE ON 2-AA-FIT-4651	Disapproved	1st Priority				INSTR
2AE2	759	361533	2AE2 Strainers,SBFP and Heaters	INSTALL ENCLOSURE ON 2-AA-PIT-7001	Disapproved	1st Priority				INSTR
2AE2	759	366894	2-AA-TV-4051_UNIT 2 S/H NE PASS 1 SPRY WATER VLV EL 551'	Not installed 3/25/13 CG	Disapproved	1st Priority				
2AF1	1116	366898	System 2AF1 Extraction Steam System	No Pressure Test Data available for this system. Required pressure testing reports and final inspection and QA/QC review of piping system required for approval.	Disapproved	1st Priority				
2AF1	785	359953	2AF1 Extraction Steam Piping System	VALVES 2-AF-V-696 AND 2-AF-V-697 TAGS ARE SWITCHED	Disapproved	2nd Priority				PIPING
2AJ2	794	89312	2AJ2 Amine System	INSTALL A GFCI RECEPTACLE IN CABINET 2-AJ-EP-002. SEE CEC SECTION 210.8(b) – GROUND-FAULT CIRCUIT-INTERRUPTER PROTECTIN FOR PERSONNEL – OTHER THAN DWELLING UNITS UNABLE TO VERIFY-FLUXXING/ENERGIZED	Disapproved	2nd Priority	4/29/14 CG			PE
2AK1	776	88165	2AK1 Condensate Polishers (excluding bypass)	VERIFY CONDENSATE POLISHER SWING GATE ON MV-001B CAN BE CLOSED	Disapproved	2nd Priority				SU-MECH
2AR01	1006		Unit 2 WT Area - 2AR01	DRAIN VALVE FOR OIL RETENSION AREA FOR TRANSFORMERS 2-WD-ET-001A & 001B HAS NO LOCK OUT INSTALLED ON VALVE	Disapproved	1st priority	2/28/14 RLS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.	
2AR01	1006		Unit 2 WT Area - 2AR01	WT EEM ANCHORAGE MISSING LOCK WASHERS PER 000-DB-7110-00003 DETAIL 1 - NOT DONE, ALSO REQUIRE SPECIAL INSPECTOR REPORT FOR WELDED TABS AND EXPOXIED ANCHORS	Disapproved	2nd priority	3/11/2014 MS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.	
2AR01	1006	360012	Unit 2 WT Area - 2AR01	NEED WORKING PLATFORM NEAR STAIRS. - NOT DONE	Disapproved	2nd Priority	3/30/14 RLS 4/2/14 RLS			MECH
2AR01	1006	360014	Unit 2 WT Area - 2AR01	CONNECT PIPE TO PIPE HANGER 002-PH-PA-0874. (EAST SIDE)	Disapproved	2nd Priority	4/2/14 RLS			MECH
2AR01	1006	360025	Unit 2 WT Area - 2AR01	ON RAW WATER TANK, SEAL CONDUITS, LABEL ALL PANELS, CLEAN RUST 22' UP THE TANK, AND PAINT TANK.	Disapproved	2nd Priority	4/2/14 RLS			MECH
2AR01	1006	360027	Unit 2 WT Area - 2AR01	INSIDE FIRE PUMP HOUSE, POSSIBLE LEAKING BATTERIES INSIDE BATTERY BOX.	Disapproved	1st Priority	4/2/14 RLS			PIPING

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2AR01	1006	360031	Unit 2 WT Area - 2AR01	ON OUTSIDE OF FWPH,(NORTH SIDE), AT DRIVEWAY, SMALL DRAIN PIPE NEEDS TO BE ROUTED TO AN OILY WATER CONTAINMENT.	Disapproved	2nd Priority	4/2/14 RLS			PIPING
2AR01	1006	360033	Unit 2 WT Area - 2AR01	NEED WATER CONTAINMENT IN CSA AREA. REFERENCE THE CALIFORNIA ENERGY COMMISSION FINAL DECISION SECTION V. E.	Disapproved	1st Priority	4/2/14 RLS			PE
2AR01	1006	360034	Unit 2 WT Area - 2AR01	RELIEF VALVE CANNOT DISCHARGE TO GROUND. (CSA AREA)	Disapproved	2nd Priority	4/2/14 RLS			MECH
2AR01	1006	360035	Unit 2 WT Area - 2AR01	DEMIN PUMP AREA NEEDS ENVIRONMENTAL CONTAINMENT AREA. REFERENCE THE CALIFORNIA ENERGY COMMISSION FINAL DECISION SECTION V. E. ALSO REFER TO CBC SECTION 414.6 OUTDOOR STORAGE, DISPENSING AND USE, CFC SECTION 2704.2.2.4 OUTDOOR DESIGN, SECTION 2705.3 OUTDOOR DISPENSING AND USE., AND SECTION 2705.3.4 SPILL CONTROL FOR HAZARDOUS MATERIAL LIQUIDS IN OPEN SYSTEMS.	Disapproved	1st Priority	4/2/14 RLS			PE
2AR01	1006	360036	Unit 2 WT Area - 2AR01	ALL PUMP DRAINS NEED TO GO TO A DRAIN HUB. HIGH VOLTAGE AREA, SEE 2 XW-EP-001.	Disapproved	2nd Priority	4/2/14 RLS			MECH
2AR01	1006	360038	Unit 2 WT Area - 2AR01	DRAIN PIPES NEED DRAIN HUBS. (SII AREA)	Disapproved	2nd Priority	4/2/14 RLS			PIPING
2AR01	1006	360039	Unit 2 WT Area - 2AR01	OUTSPOUT MISSING ON EYE WASH, FILL AND CLEAN AROUND AREA. (DEMIN WATER SWAS BLDG)	Disapproved	1st Priority	4/2/14 RLS			PIPING
2AR01	1006	360040	Unit 2 WT Area - 2AR01	NEED HOODS ON TOP OF LOUVERS OF SWAS BLDG.	Disapproved	2nd Priority	4/2/14 RLS			PIPING
2AR01	1006	360041	Unit 2 WT Area - 2AR01	INSTALL CATCH PUMP AND RUN INTO DRAIN, FINISH ASPHALT IN AREA. (DEMIN PURTIC HOOK UP STATION)	Disapproved	2nd Priority	4/2/14 RLS			MECH
2AR01	1006	360043	Unit 2 WT Area - 2AR01	EXPOSED DRAIN NEEDS TO BE COVERED. (OUTSIDE OF EEM)	Disapproved	2nd Priority	4/2/14 RLS			MECH
2AR01	1006	360044	Unit 2 WT Area - 2AR01	SAFETY SHOWER NOT IN SERVICE, NO WATER OR POWER. (SHADE AREA) - NOT DONE	Disapproved	1st Priority	3/30/14 RLS 4/2/14 RLS			SU-MECH
2AR01	1006	360117	Unit 2 WT Area - 2AR01	VERIFY IF CONTAINMENT AREA CHEMICAL SKID IS ADEQUATE TO CONTAIN HAZARDOUS MATERIALS. CFC Section 2704.2.2.4 - Additional information was not supplied.	Disapproved	1st Priority	4/2/14 RLS 4/24/14 MS			CIVIL
2AR01	1006	360118	Unit 2 WT Area - 2AR01	VERIFY FOUNDATION BOLTING TORQUE, SPECS AND WHO VERIFIED IT FOR COMPLIANCE WITH PLANS AND LORS. REFERENCE THE FINAL COMMISSION DECISION GEN 8, CBC CHASPTER 17, Section 1704.1.2 AND THE CBO SPECIAL INSPECTION PROGRAM.	Disapproved	1st Priority	4/2/14 RLS			CIVIL
2AR01	1006	360120	Unit 2 WT Area - 2AR01	ON SLAB OF PUMPS A & B, NEED CONTAINMENT PAD. - Containment pits drain to below grade? Clarification needed.	Disapproved	2nd Priority	4/2/14 RLS 4/24/14 MS			CIVIL
2AR01	1006	360121	Unit 2 WT Area - 2AR01	ACCESS LADDER TO TOP OF RAW WATER TANK TERMINATES AT HATCH. NEED 60" GUARDRAIL.	Disapproved	1st Priority	4/2/14 RLS			CIVIL
2AR01	1006	360122	Unit 2 WT Area - 2AR01	NEED LEGAL STEPS AND 38" HANDRAILS EAST/WEST SIDE OF THE PLATFORM OF RAW WATER TANK. Missing kick plate at top riser, 1/28/14 ms - NOT DONE	Disapproved	1st Priority	3/30/14 RLS 4/2/14 RLS			CIVIL
2AR01	1006	360123	Unit 2 WT Area - 2AR01	ADJUST TOE PLATES TO ENSURE 1" GAP. (FIRE PUMP HOUSE)	Disapproved	2nd Priority	4/2/14 RLS			CIVIL
2AR01	1006	360125	Unit 2 WT Area - 2AR01	ADJUST STEPS TO HEIGHT. (OUTSIDE FIRE PUMP HOUSE)	Disapproved	2nd Priority	4/2/14 RLS			CIVIL
2AR01	1006	360130	Unit 2 WT Area - 2AR01	INSTALL TANK SIGNAGE AT WATER TREATMENT AREA.	Disapproved	2nd Priority	4/2/14 RLS			CIVIL
2AR01	1006	360133	Unit 2 WT Area - 2AR01	NEED "CONFINE SPACE" SIGN ON HATCH OF TANK SER# 10-06-36F, SOUTH SIDE OF DEMIN TANK.	Disapproved	1st Priority	4/2/14 RLS			CIVIL
2AR01	1006	360134	Unit 2 WT Area - 2AR01	LEVEL LANDING OUTSIDE DOOR 36" LANDING WITHIN 1" OF DOOR THRESH HOLD ON SOUTH SIDE OF SWAS BLDG. - NOT DONE - NO CHANGE. LANDINGS SHALL HAVE A LENGTH MEASURED IN THE DIRECTION OF TRAVEL OF NOT LESS THAN 44 INCHES. LANDINGS, STAIRS, RAILINGS, STEPS, RISERS, GUARDRAILS SHALL COMPLY WITH CBC CHAPTER 10 AND CALOSHA THE MOST RESTRICTIVE SHALL APPLY IN ALL AREAS AND INSTALLATIONS IN UNIT 2 POWER BLOCK.	Disapproved	1st Priority	3/30/14 RLS 4/2/14 RLS 4/24/14 MS 5/29/14 SH			CIVIL
2AR01	1006	360135	Unit 2 WT Area - 2AR01	NORTH SIDE NEED 42" LANDING TO 1" OF DOOR THRESH HOLD OF SWAS BLDG. - NOT DONE - NO CHANGE	Disapproved	1st Priority	3/30/14 RLS 4/2/14 RLS 4/24/14 MS			CIVIL
2AR01	1006	360196	Unit 2 WT Area - 2AR01	LABEL TRANSFORMER, BOND WIRE ON CONDUITS EAST SIDE OF RAW WATER TANK, PANEL 2-LP-3A. SEE CEC ARTICLE 250. - NOT DONE FOR TEMPORARY POWER TRANSFORMER	Disapproved	1st Priority	3/4/2014 RLS 4/2/14 RLS			ELECT
2AR01	1006	360197	Unit 2 WT Area - 2AR01	FINISH CATHODIC GROUND SYSTEM IN AREA. (CATHODIC SYSTEM AREA) - NEED APPROVED PLANS & SYSTEM NAMES TO FIND CORRECTIONS TO COMPLETE THE INSPECTION	Disapproved	1st Priority	3/11/2014 MS 4/2/14 RLS			ELECT
2AR01	1252		2AR01 System, Cable tray scope	Bond conduit 2711CMO23 to cable tray, Bond wire installed does not meet code requirements of # 6 for 1 1/2" or smaller conduits.	Disapproved	1st priority	2/20/14 RLS		Bechtel - 3/19/14: <i>As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.</i>	

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2AR02	1253	367621	2AR02 System, Cable Tray Inspection	DOUBLE UNISTRUT BOX FRAME SUPPORT FOR 3 TIERS OF CABLE TRAYS 37210THS01/TH01 (THE 3RD LEVEL HAS NO SETROUTE #'S PER DETAIL 8.1 PAGE 16 OF BECHTEL ENGINEERING TO CLEARLY ID LOCATION), THIS ASSEMBLY HAS NO BECHTEL ENGINEERING AND OR NEMA VE-2-2000 STANDARDS FOR AS IS CONDITION - WILL BE APPROVED AS IS WHEN NEW SUBMITTALS BY BECHTEL ARE APPROVED & BECOME PART OF THE APPROVED PLANS	Disapproved	1st priority	2/28/14 RLS 4/3/14 RLS		Bechtel - 3/19/14: To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 2 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
2AR02	1253	367628	2AR02 System, Cable Tray Inspection	CABLE TRAY SUPPORT SYSTEM INSTALLED AT THE WESTSIDE OF EEM HOUSE FOR CABLE TRAYS 27210THM01, 27210THL01 & 27210TMD01 HAS NO SUPPORTING BECHTEL ENGINEERING FOR AS IS CONDITION, PROVIDE ENGINEERING FOR AS IS CONDITION - NOT DONE - NO CHANGE	Disapproved	1st priority	2/28/14 RLS 4/3/14 RLS 4/29/14 CG		Bechtel - 3/19/14: To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 2 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
2AR02	1253		2AR02 System, Cable Tray Inspection	SEAL CONDUIT AT ALL CABLE TRAYS - ABOVE EL-EP-721 NEEDS SEAL - NOT DONE	Disapproved	1st priority	3/11/2014 MS 4/3/14 RLS		Bechtel - 3/19/14: <i>As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.</i>	
2AR02	1253	366902	2AR02 System, Cable Tray Inspection	CABLE TRAY #27210THT05 ANDA #27210THT07 SUPPORT EXCEEDS 2 FT. FROM ENDS PER APPROVED DETAILS - WILL BE APPROVED AS IS WHEN NEW SUBMITTALS BY BECHTEL ARE APPROVED & BECOME PART OF THE APPROVED PLANS	Disapproved	1st priority	4/3/14 RLS			
2AR02	1253	366903	2AR02 System, Cable Tray Inspection	CABLE TRAY AT CHANGE OF ELEVATION EXCEEDS 4 FT. AND IS MISSING THE 2 MINIMUM SUPPORTS - WILL BE APPROVED AS IS WHEN NEW SUBMITTALS BY BECHTEL ARE APPROVED & BECOME PART OF THE APPROVED PLANS	Disapproved	1st priority	4/3/14 RLS			
2AR02	1253	366905	2AR02 System, Cable Tray Inspection	HANGER MISSING SUSUPPORTING ENGINEERING FOR 30 IN. TRAYS AT 27210THS03, 27210THT03, 27210THS01, 27210THT01, 27210THD01, 27210THR01, 27210THP01 AND 27210THE01 - WILL BE APPROVED AS IS WHEN NEW SUBMITTALS BY BECHTEL ARE APPROVED & BECOME PART OF THE APPROVED PLANS	Disapproved	1st priority	4/3/14 RLS			
2AR02	1253	366906	2AR02 System, Cable Tray Inspection	3-SIDED FRAMED ATTACHED TO COLUMN MISSING DOCUMENTED ENGINEERING SUPPORTING THE SPANS AT THE SAME AREA - WILL BE APPROVED AS IS WHEN NEW SUBMITTALS BY BECHTEL ARE APPROVED & BECOME PART OF THE APPROVED PLANS	Disapproved	1st priority	4/3/14 RLS			
2AR02	1007		Unit 2 ACC Area - 2AR02 and 2AR03	MOUNTING HEIGHT FOR FIRE EXTINGUISHERS TO BE 5 FT ABOVE FFL MAX. AT ACC EEM	Disapproved	1st priority	3/18/14 TV		Bechtel - 3/19/14: <i>As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.</i> CBO - 3/19/14: NOT NEW THIS HAS BEEN AN ONGOING ISSUE THAT FINALLY GOT RESOLVED, FIRE EXTINGUISHERS WERE PUT IN AS REQUIRED BUT NOT SET WITHIN REQUIRED MOUNTING HEIGHTS.	
2AR02	1007	79262	Unit 2 ACC Area - 2AR02 and 2AR03	FINISH GRADE AT ALL LANDINGS, STEPS, PADS	Disapproved	1st Priority				CIVIL
2AR02	1007	79265	Unit 2 ACC Area - 2AR02 and 2AR03	VERIFY COMPLETION OF GROUND GRID - REQUIRES REVIEW - NEED SYSTEM CORRECTION LIST TO COMPLETE THE INSPECTION - DUPLICATE OF 79355	Disapproved	1st Priority	3/4/2014 RLS			ELECT
2AR02	1007	79267	Unit 2 ACC Area - 2AR02 and 2AR03	PROTECT TEMP PANEL AT SE CRNR ACC. SEE CEC SECTION 300.4 PROTECTION FROM DAMAGE.	Disapproved	2nd Priority				CIVIL
2AR02	1007	79343	Unit 2 ACC Area - 2AR02 and 2AR03	INVESTIGATE REQUIREMENT FOR CLOSED RISERS ON ACC TOP DECK STAIR FLIGHTS (2 EA) - NO CHANGE - SEE 2007 CBC 1009.3.3 Excpt.1	Disapproved	2nd Priority	4/24/14 CG			CIVIL
2AR02	1007	79356	Unit 2 ACC Area - 2AR02 and 2AR03	PROTECT TEMP POWER PANEL AT SE CORNER OF ACC - NOT DONE	Disapproved	1st Priority	3/4/2014 RLS			ELECT
2AR02	1007	361811	Unit 2 ACC Area - 2AR02 and 2AR03	NEED CLARIFICATION AND VERIFICATION OF BOLT TORQUING FOR FOUNDATION ANCHORS. (ACC AREA)	Disapproved	2nd Priority				MECH
2AR02	1007	361822	Unit 2 ACC Area - 2AR02 and 2AR03	DETERMINE IF GRAVEL GRAIN IS COMPLETE, IF SO, THE "CLEAN-OUT" PIPE NEEDS TO BE FLUSHED WITH GRADE. (ACC AREA) - ??? Clarification needed - 2 drains are in question at the WT Area (2AR01).	Disapproved	2nd Priority	4/24/14 MS			CIVIL
2AR02	1007	361826	Unit 2 ACC Area - 2AR02 and 2AR03	THE NORTH AND SOUTH STRAINER TANK DRAIN MUST BE CENTERED OVER THE DRAINS. (ACC AREA) - NOT DONE	Disapproved	2nd Priority	3/4/2014 RLS			ELECT
2AR02	1007	361841	Unit 2 ACC Area - 2AR02 and 2AR03	OUTSIDE OF VACUUM PUMP SKID DOOR, NEED MAINTENANCE PLATFORM 30" MINIMUM WITH STAIRS OR STEPS. - NO CHANGE - SOUTH SIDE OF SKID INACCESSIBLE FROM PRESENT GRADE	Disapproved	1st Priority	4/24/14 CG			CIVIL

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2AR02	1007	361843	Unit 2 ACC Area - 2AR02 and 2AR03	EAST SIDE OF VACUUM PUMP SKID AREA, PIPES AND CONDUITS NEED BOLLARDS.	Disapproved	1st Priority				CIVIL
2AR02	1007	361858	Unit 2 ACC Area - 2AR02 and 2AR03	IMPROPER DRAIN ON THE NORTH SIDE OF PUMPS 002-AK-V-0715-3A & 002-AK-V-0715-3B IS.	Disapproved	2nd Priority				PE
2AR02	1007	361873	Unit 2 ACC Area - 2AR02 and 2AR03	NEED PROPER EGRESS IN THE RECYCLE WATER PUMP SKID AREA.	Disapproved	1st Priority				CIVIL
2AR02	1007	361879	Unit 2 ACC Area - 2AR02 and 2AR03	PREFILTER DRAIN NEED TO BE HARD PIPED TO FLOOR DRAIN. (CONDENSATE TANK POLISHER AREA)	Disapproved	2nd Priority				PE
2AR02	1007	361889	Unit 2 ACC Area - 2AR02 and 2AR03	ON VALVE 1104247A SUPPORT INCORRECTLY FRAMED. (WATER SKID AREA)	Disapproved	1st Priority				PIPING
2AR02	1007	254434	Unit 2 ACC Area - 2AR02 and 2AR03	REMOVE CONSTRUCTION POWER TRANSFORMER AND PANEL ON EAST SIDE OF ACC	Disapproved	2nd priority				OPS
2AR03	1254	359887	2AR03 System Cable Tray scope	WATER PIPE NEEDS TO BE SEPARATED FROM SHEET METAL BECAUSE OF DIS-SIMILAR METALS BETWEEN PIPE AND SHEETING.	Disapproved	1st Priority				PIPING
2AR03	1254	359888	2AR03 System Cable Tray scope	ADJUST BRAKE ON WEST SIDE OF WASH SYSTEM.	Disapproved	2nd Priority				MECH
2AR03	1254	359904	2AR03 System Cable Tray scope	STAINLESS WATER PIPES RUSTING THROUGHOUT, TAGGED RED.	Disapproved	1st Priority				PIPING
2AR04	1008	361271	Unit 2 Aux Boiler Area - 2AR04	CLEAN DEBRIS IN AREA AND BRING GRADE WITHIN 4"-7" UP TO CONCRETE SKIDS. (AUX BOILER AREA) - NOT DONE - NO CHANGE, MISSING ROCK BETWEEN NPB AND AUX BOILER FEED PUMPS	Disapproved	1st Priority	4/3/14 RLS 4/24/14 MS			CIVIL
2AR04	1008	361274	Unit 2 Aux Boiler Area - 2AR04	AFFIX A PERMANENT SIGN ON THE NORTH SIDE OF THE AUX BOILER STACK. (AUX BOILER AREA)	Disapproved	1st Priority				PIPING
2AR04	1008	361276	Unit 2 Aux Boiler Area - 2AR04	NEED TO CLAMP PIPING UNDER AUX BOILER AREA, EAST SIDE. NOT DONE	Disapproved	1st Priority	4/3/14 RLS			PIPING
2AR04	1008	361311	Unit 2 Aux Boiler Area - 2AR04	COVER THE OPEN DRAIN LOCATED NORTH OF THE NIGHT PRESERVATION BOILER AREA - NOT DONE	Disapproved	2nd Priority	4/3/14 RLS			PE
2AR04	1008	361313	Unit 2 Aux Boiler Area - 2AR04	AT AC UNIT, REPLACE FEMALE PLASTIC PVC PIPE. (NIGHT PRESERVATION BOILER AREA) - NOT DONE	Disapproved	2nd Priority	4/3/14 RLS			PIPING
2AR04	1008	361333	Unit 2 Aux Boiler Area - 2AR04	BACKFILL NEEDS TO BE RAISED TO PROVIDE ACCESS TO THE PLATFORMS OF NO GREATER THAN 7" STEP UP. - NO CHANGE	Disapproved	1st Priority	4/24/14 MS			SUBCON
2AR06	1010		Unit 2 PSB Area - 2AR06	BATTERY BACK UP INDICATORS ARE NOT ILLUMINATED 3 LOCATIONS EQUIPMENT ROOM - NO APPROVED PLANS TO VERIFY WHICH LIGHTS REQUIRE BATTERY BACKUPS & NO SYSTEM PUNCHLIST TO VERIFY CORRECTIONS ALREADY POSTED	Disapproved	1st priority	3/18/14 TV		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO - 3/19/14: NOT NEW. BECHTEL SCHEDULED AN INSPECTION FOR FINAL APPROVAL OF THE PSB A YEAR AGO PRIOR TO WORK BEING COMPLETED. THE CBO HAS NOT BEEN NOTIFIED THAT THE BUILDING IS READY FOR FINAL INSPECTION. THIS ITEM IS AN ITEM THAT IS INSPECTED AT FINAL AND IS NOTED PRIOR TO BECHTEL NOTIFYING THE CBO THAT THE BUILDING IS READY FOR A FINAL INSPECTION.	
2AR06	1010		Unit 2 PSB Area - 2AR06	COMPLETE AREA 2EL1 LIGHTING INSPECTION REQUEST # 1126 - NO SYSTEM PUNCHLIST SUPPLIED FOR INSPECTION	Disapproved	1st priority	3/18/14 TV		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO - 3/19/14: NOT NEW THIS IS AN ONGOING INSPECTION.	
2AR06	1010	60409	Unit 2 PSB Area - 2AR06	PROVIDE POTABLE WATER TO PLANT SERVICES BUILDING	Disapproved	1st Priority				SU-PIPING
2AR06	1010	88478	Unit 2 PSB Area - 2AR06	ADJUST GASKET MATERIAL ON THE EAST SIDE OF THE ROOF OF THE BUILDING	Disapproved	2nd Priority				CIVIL
2AR06	1010	360302	Unit 2 PSB Area - 2AR06	REMOVE TEMPORARY POWER BOXES PANELS 2-LP-4A. - NOT DONE	Disapproved	2nd Priority	3/4/2014 RLS			ELECT
2AR06	1010	360303	Unit 2 PSB Area - 2AR06	REPAIR CONDENSATE DRAIN AT WEST SIDE OF PSB TO AHU.	Disapproved	2nd Priority				PIPING
2AR06	1010	360307	Unit 2 PSB Area - 2AR06	SHORTEN CONDENSATE DRAIN. (PSB)	Disapproved	2nd Priority				PIPING
2AR06	1010	360308	Unit 2 PSB Area - 2AR06	MISSING SIDING SCREW BOTTOM LEVEL OF PSB.	Disapproved	2nd Priority				PIPING
2AR06	1010	360314	Unit 2 PSB Area - 2AR06	LANDING ON NORTH SIDE MUST BE WITHIN 1" OF THRESHOLD. - PSB NORTH LANDING HAS NO ISSUES (APPROVED)- EDG ENCLOSURE HAS ISSUES NORTH & SOUTH ENTRANCES. SOUTH ENTRANCES ARE IN 2AR06, NORTH ENTRANCE 2AR07	Disapproved	1st Priority	4/24/14 CG			CIVIL
2AR06	1010	360316	Unit 2 PSB Area - 2AR06	3 HOLES NEED TO BE COVERED AT SE CORNER OF EGB. - CLARIFICATION NEEDED, EDG??	Disapproved	2nd Priority	4/24/14 MS			CIVIL

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2AR06	1010	360319	Unit 2 PSB Area - 2AR06	NEED BOLLARDS NEAR CONDUIT. PSB AREA. SEE CEC SECTION 300.4 PROTECTION FROM DAMAGE	Disapproved	1st Priority				ELECT
2AR06	1010	360320	Unit 2 PSB Area - 2AR06	NEED (2) PROTECTION COVERS OVER SUPPRESSION SYSTEM ABORT BUTTON. EAST AND WEST OF PSB.	Disapproved	1st Priority				SUBCON
2AR06	1010	360329	Unit 2 PSB Area - 2AR06	NEED PROTECTIVE COVER ON FIRE SUPPRESSOR BUTTON. (INSIDE BATTERY ROOM)	Disapproved	2nd Priority				PIPING
2AR06	1010	360333	Unit 2 PSB Area - 2AR06	VERIFY FIRE ASSEMBLY AND INSPECTIONS APPROVING (INSIDE BATTERY ROOM)	Disapproved	1st Priority				SUBCON
2AR06	1010		Unit 2 PSB Area - 2AR06	BAD BATTERY BACK UPS ON LIGHTING IN ELECTRICAL ROOM (@) - NO APPROVED PLANS TO VERIFY WHICH LIGHTS REQUIRE BATTERY BACKUPS & NO SYSTEM PUNCHLIST TO VERIFY CORRECTIONS ALREADY POSTED	Disapproved	1st priority	3/18/14 TV		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO- 3/19/14: NOT NEW. BECHTEL SCHEDULED AN INSPECTION FOR FINAL APPROVAL OF THE PSB A YEAR AGO PRIOR TO WORK BEING COMPLETED. THE CBO HAS NOT BEEN NOTIFIED THAT THE BUILDING IS READY FOR FINAL INSPECTION. THIS ITEM IS AN ITEM THAT IS INSPECTED AT FINAL AND IS NOTED PRIOR TO BECHTEL NOTIFYING THE CBO THAT THE BUILDING IS READY FOR A FINAL INSPECTION.	
2AR06	1010		Unit 2 PSB Area - 2AR06	BAD EMERGENCY BACK UP ON LIGHT IN BREAKROOM - DUPLICATE - NO APPROVED PLANS TO VERIFY WHICH LIGHTS REQUIRE BATTERY BACKUPS & NO SYSTEM PUNCHLIST TO VERIFY CORRECTIONS ALREADY POSTED	Disapproved	1st Priority	3/18/14 TV		CBO- 3/19/14: NOT NEW. BECHTEL SCHEDULED AN INSPECTION FOR FINAL APPROVAL OF THE PSB A YEAR AGO PRIOR TO WORK BEING COMPLETED. THE CBO HAS NOT BEEN NOTIFIED THAT THE BUILDING IS READY FOR FINAL INSPECTION. THIS ITEM IS AN ITEM THAT IS INSPECTED AT FINAL AND IS NOTED PRIOR TO BECHTEL NOTIFYING THE CBO THAT THE BUILDING IS READY FOR A FINAL INSPECTION.	
2AR07	1011	361928	Unit 2 Switchyard Area 2AR07	NEED LOCK-OUT FOR VALVE AT PRESSURE SWITCH, ON NE SIDE. (AUX TRANSFORMER AREA) - NOT DONE	Disapproved	1st Priority	3/28/14 RLS			SU-OPS
2AR07	1011	361932	Unit 2 Switchyard Area 2AR07	NEED 36" LEVEL LANDING WITH PROPER EGRESS. (FIRE WATER PUMP HOUSE SST). SEE CBC SECTION 1008.1.4 – FLOOR ELEVATION AT DOORS, SECTION 1008.1.5 – LANDINGS AT DOORS AND SECTION 1009.5.1 STAIRWAY WALKING SURFACE. - NOT DONE LANDINGS SHALL HAVE A LENGTH MEASURED IN THE DIRECTION OF TRAVEL OF NOT LESS THAN 44 INCHES	Disapproved	1st Priority	3/28/14 RLS 5/29/14 SH			CIVIL
2AR07	1011	361935	Unit 2 Switchyard Area 2AR07	ON SOUTH SIDE OF FIRE WATER PUMP HOUSE SST, NEED PIPE TO GO AT 90 DEGREES.	Disapproved	2nd Priority				PIPING
2AR07	1011	361952	Unit 2 Switchyard Area 2AR07	NEED LOCKOUT TAG ON VALVE PRESSURE SWITCH, EAST SIDE OF GSU TRANSFORMER AREA.	Disapproved	1st Priority				SU-OPS
2AR07	1011		Unit 2 Switchyard Area 2AR07	PROVIDE APPROVED GROUND CONNECTIONS AT SWITCHYARD FENCE ON REMOVABLE PANELS. - NOT DONE	Disapproved	1st priority	3/28/14 RLS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO- 3/19/14: THIS ISSUE WAS IDENTIFIED PRIOR TO FINAL RENDITION OF THIS PUNCH LIST ON INSPECTON REQUEST #1011-2.	
2AR08	1012	361913	Unit 2 EDT/IDT Area 2AR08	NEED A CONTAINMENT CONTAINER IN CHEMICAL INJECTION SKID AREA. Hazardous Materials Containment – REFERENCE THE CALIFORNIA ENERGY COMMISSION FINAL DECISION SECTION V. E. ALSO REFER TO CBC SECTION 414.6 OUTDOOR STORAGE, DISPENSING AND USE, CFC SECTION 2704.2.2.4 OUTDOOR DESIGN, SECTION 2705.3 OUTDOOR DISPENSING AND USE., AND SECTION 2705.3.4 SPILL CONTROL FOR HAZARDOUS MATERIAL LIQUIDS IN OPEN SYSTEMS.	Disapproved	1st Priority				SUBCON

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2AR08	1012	361915	Unit 2 EDT/IDT Area 2AR08	FIRE HOUSE, NEED A 36" LEVEL LANDING OUTSIDE DOOR. (BOILER FEED PUMP CHEMICAL FIRE PROTECTION). SEE CBC SECTION 1008.1.4 – FLOOR ELEVATION AT DOORS AND SECTION 1008.1.5 – LANDINGS AT DOORS. - NOT DONE LANDINGS SHALL HAVE A LENGTH MEASURED IN THE DIRECTION OF TRAVEL OF NOT LESS THAN 44 INCHES	Disapproved	1st Priority	3/28/14 RLS 4/3/14 RLS 5/29/14 SH			CIVIL
2AR08	1012	363647	Unit 2 EDT/IDT Area 2AR08	AT THE CHEMICAL DOSING SKID, STEP-UP GRATING NEEDS TO BE WITHIN 7". LOCATION: CHEMICAL DOSING SKID. NOT DONE	Disapproved	1st Priority	4/3/14 RLS			
2AR08	1012	363648	Unit 2 EDT/IDT Area 2AR08	SEISMIC STRAPPING REQUIRED ON CHEMICAL TANKS. LOCATION: CHEMICAL DOSING SKID. NOT DONE	Disapproved	2nd Priority	3/28/14 RLS 4/3/14 RLS			
2AR08	1012	363649	Unit 2 EDT/IDT Area 2AR08	ENGINEERING ANALYSIS ON STAND CONNECTION IS BEING QUESTIONED BY CBO. LOCATION: CHEMICAL DOSING SKID. - NOT DONE	Disapproved	2nd Priority	3/28/14 RLS 4/3/14 RLS			
2AR08	1012	364170	Unit 2 EDT/IDT Area 2AR08	PROVIDE LEVEL LANDING AT DISCONNECT 002-PW-ME-015 - NOT DONE	Disapproved	1st Priority	3/28/14 RLS 4/3/14 RLS			PE
2AR08	1012		Unit 2 EDT/IDT Area 2AR08	SUMP PUMP IN PIT HAS NO APPROVED DRAIN OUTLET - NOT DONE	Disapproved	2nd Priority	3/28/14 RLS 4/3/14 RLS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO- 3/19/14: NOT NEW THIS ISSUE WAS IDENTIFIED AS PART OF THE CABLE TRAY INSPECTION.	
2AR09	1013	359041	Unit 2 STG Area 2AR09	REPLACE FIRE DAMAGED STG PANELS ON THE EAST WALL OF THE STG ENCLOSURE.	Disapproved	2nd Priority				CIVIL
2AR09	1013	359044	Unit 2 STG Area 2AR09	TRIM OUT THE NORTH END OF THE STG ENCLOSURE AROUND THE STEAM DUCT. - Provide detail, gasket lap/butt joints, exposed rock wool on interior?	Disapproved	2nd Priority	4/24/14 MS			CIVIL
2AR09	1013	362454	Unit 2 STG Area 2AR09	DOOR JAMS NOT ANCHORED TO FLOOR. (OUTSIDE STG BLDG). INDUSTRY STANDARD AND MANUFACTURER'S INSTALLATION INSTRUCTIONS.	Disapproved	2nd Priority				CIVIL
2AR09	1013	362461	Unit 2 STG Area 2AR09	STAIRS LOCATED CENTER AND WEST SIDE OF BLDG, HAS VARIOUS SIZES THAT EXCEEDS CODE ALLOWANCES. (INSIDE STG BLDG) - NO CHANGE - ELEVATION CHANGE @ LAST TREAD EXCEEDS ALLOWABLE 3/8TH IN. VARIANCE	Disapproved	1st Priority	4/24/14 CG			CIVIL
2AR09	1013	362510	Unit 2 STG Area 2AR09	PROVIDE SIGNAGE FOR FDC LOCATED SW CORNER OF STG BLDG. (OUTSIDE OF STG BLDG.) SEE CFC SECTION 912.2.1. SINCE THE FDC IS NOT FULLY VISIBLE FROM THE ACCESS ROAD THE FIRE CODE OFFICIAL (FIRE MARSHAL) REQUIRES THE FDC TO BE RELOCATED OR SIGNS BE PLACED IN ORDER FOR EMERGENCY RESPONDERS TO READILY IDENTIFY THE LOCATION OF THE FDC. PAVEMENT MARKING STRIPING NO PARKING FIRE DEPARTMENT ONLY AT FDC.	Disapproved	1st Priority	5/29/14 SH			CIVIL
2AR09	1013	362511	Unit 2 STG Area 2AR09	LANDING NEEDS TO BE LEVELED AT ALL DOORS OF THE STG BLDG. (OUTSIDE OF STG BLDG.). SEE CBC SECTION 1009.4 – STAIRWAY LANDINGS AND SECTION 1009.5.1 STAIRWAY WALKING SURFACE. - NO CHANGE LANDINGS SHALL HAVE A LENGTH MEASURED IN THE DIRECTION OF TRAVEL OF NOT LESS THAN 44 INCHES. LANDINGS, STAIRS, RAILINGS, STEPS, RISERS, GUARDRAILS SHALL COMPLY WITH CBC CHAPTER 10 AND CALOSHA THE MOST RESTRICTIVE SHALL APPLY IN ALL AREAS AND INSTALLATIONS IN UNIT 2 POWER BLOCK.	Disapproved	1st Priority	4/24/14 CG 5/29/14 SH			CIVIL
2AR09	1013	362513	Unit 2 STG Area 2AR09	BLDG ANCHOR DOOR JAMS TO CONCRETE. (OUTSIDE LUBE OIL ENCLOSURE BLDG). SEE CEC SECTION 300.50€ - DOOR JAMBS ATTACHED TO INTERIOR STEEL FRAMEWORK. PROVIDE DETAIL FOR APPROVAL	Disapproved	2nd Priority	4/24/14 CG			CIVIL
2AR11	1260		2AR11 System, Cable Tray Scope - ELEVATION 139' TO 120'	KELLEMS GRIP HAS BEEN REMOVED FROM SUPPORTING MULTI CONDUCTORS @ 21020THS25 - NOT READY	Disapproved	1st priority	3/18/14 TV		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO- 3/19/14: NOT NEW PART OF CABLE TRAY INSPECTION.	
2AR11	1260		2AR11 System, Cable Tray Scope - ELEVATION 139' TO 120'	CONDUCTORS AND CABLES NOT SECURED IN CABLE TRAYS #4 & #5 PER CODE - NOT READY	Disapproved	1st priority	3/11/2014 MS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.	

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2AR11	1260		2AR11 System, Cable Tray Scope - ELEVATION 139' TO 120'	CABLE TRAY #5 HAS CONDUCTORS STACKED ON TOP OF EACH OTHER NOT PROVIDING PROPER ATTACHMENT TO CABLE TRAY - NOT READY	Disapproved	1st priority	3/11/2014 MS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.	
2AR11	1260		2AR11 System, Cable Tray Scope - ELEVATION 139' TO 120'	VERTICAL CABLE TRAY (FROM EAST TO WEST) TRAY #4 & #5 DOES NOT HAVE CABLE PROTECTION FROM 6' ABOVE FLOOR ELEVATION - NOT READY	Disapproved	1st priority	3/11/2014 MS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.	
2AR11	1260		2AR11 System, Cable Tray Scope - ELEVATION 139' TO 120'	VERTICAL CABLE TRAY 21020TMA05 & (FROM EAST TO WEST) TRAY #4 & #5 DOES NOT HAVE CABLE PROTECTION FROM 6' ABOVE FLOOR ELEVATION - NOT READY	Disapproved	1st priority	3/11/2014 MS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.	
2AR11	1097	363656	2AR11 - ELEVATION 120'-0" to 140'-0"	TOE PLATE NEEDS TO BE REPAIRED AND INSTALLED. LOCATION: BOILER FEED PUMP AREA.	Disapproved	2nd Priority				
2AR11	1097	363660	2AR11 - ELEVATION 120'-0" to 140'-0"	CONDENSATE DRAIN NEEDS TO BE EXTENDED INTO THE MAIN DRAIN. LOCATION: BOILER FEED PUMP AREA.	Disapproved	2nd Priority				
2AR11	1097	363666	2AR11 - ELEVATION 120'-0" to 140'-0"	LANDING REQUIRED FOR SWAS BUILDING ON DOORS OPENING OUTWARD. LOCATION: SWAS BUILDING. ELEVATION 100' - NO CHANGE	Disapproved	1st Priority	4/24/14 CG			
2AR11	1097	363668	2AR11 - ELEVATION 120'-0" to 140'-0"	PLATFORM HAS GAUGES THAT ARE SUPPORTED OFF THE GRATING, NEEDS TO BE PROPERLY SUPPORTED. LOCATED JUST EAST OF COLUMN J-13. LOCATION: MAIN TOWER SHAFT. ELEVATION 100'	Disapproved	1st Priority				
2AR11	1097		2AR11 - ELEVATION 120'-0" to 140'-0"	PROVIDE A LEVEL LANDING AT DOOR TO THE SWAS BUILDING. - NOT DONE	Disapproved	1st Priority	3/18/14 TV		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO- 3/19/14: NOT NEW THE REQUIREMENT FOR A LANDING WAS REQUIRED IN BECHTEL ITEM #363666	
2AR12	1261		2AR12 System, Cable Tray Scope - ELEVATION 179' TO 140'	CONDUCTOR COMING OUT OF 21040TMR40 RUNS TO THE EAST BEHIND PANEL 2-EC-EA-110 IS NOT SECURED OR PROPERLY TERMINATED PER CODE - NOT DONE	Disapproved	1st priority	2/20/14 RLS 4/3/14 RLS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related	
2AR12	1261		2AR12 System, Cable Tray Scope - ELEVATION 179' TO 140'	KELLEMS GRIP HAS BEEN REMOVED FROM SUPPORTING MULTI CONDUCTORS @ 21040THS40 NOT DONE	Disapproved	1st priority	2/20/14 RLS 4/3/14 RLS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related	
2AR12	1261		2AR12 System, Cable Tray Scope - ELEVATION 179' TO 140'	TEMPORARY POWER CABLES/CONDUCTORS ARE SECURED TO STRUCTURE BY ROPE INSTALL PER CODE OR REMOVE - NOT DONE	Disapproved	1st priority	3/18/14 TV 4/3/14 RLS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO- 3/19/14: NOT NEW DENOTED AS PART OF CABLE TRAY INSPECTION.	
2AR12	1261	367659	2AR12 System, Cable Tray Scope - ELEVATION 179' TO 140'	UNISTRUT BOX FRAME HAS NO SUPPORTING BECHTEL ENGINEERING OR NEMA VE-2-2000 STANDARDS TO SUPPORT AS IS CONDITION FOR CABLE TRAY 21030TMA09 - NOT DONE	Disapproved	1st priority	2/20/14 RLS 4/3/14 RLS		Bechtel - 3/19/14: To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 2 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	

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2AR12	1261	367662	2AR12 System, Cable Tray Scope - ELEVATION 179' TO 140'	CABLE TRAY 21030TMA33 HAS NO CORNER SUPPORT PER BECHTEL ENGINEERING AND NEMA VE-2-2000 STANDARDS, PROVIDE ENGINEERING FOR AS IS CONDITION - WILL BE APPROVED AS IS WHEN NEW SUBMITTALS BY BECHTEL ARE APPROVED & BECOME PART OF THE APPROVED PLANS	Disapproved	1st priority	3/28/14 RLS 4/3/14 RLS		Bechtel - 3/19/14: To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 2 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
2AR12	1261	367664	2AR12 System, Cable Tray Scope - ELEVATION 179' TO 140'	CABLE TRAY TO THE WEST OF 21030TMA57 HAS NO SUPPORT - WILL BE APPROVED AS IS WHEN NEW SUBMITTALS BY BECHTEL ARE APPROVED & BECOME PART OF THE APPROVED PLANS	Disapproved	1st priority	3/28/14 RLS 4/3/14 RLS		Bechtel - 3/19/14: To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 2 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
2AR12	1098	363625	2AR12 - ELEVATION 140'	PIPE NEEDS SUPPORT, LOCATED EAST OF 16 AND NORTH OF J. - NOT DONE	Disapproved	2nd Priority	3/5/2014 RLS			
2AR13	1262		2AR13 System Cable tray scope - ELEVATION 219' TO 180'	VERTICAL CABLE TRAY (FROM EAST TO WEST) TRAY #4 & #5 DOES NOT HAVE CABLE PROTECTION FROM 6' ABOVE FLOOR ELEVATION - NOT DONE	Disapproved	1st priority	2/20/14 RLS 4/3/14 CG		Bechtel - 3/19/14: <i>As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related</i>	
2AR13	1262		2AR13 System Cable tray scope - ELEVATION 219' TO 180'	CABLE TRAY # 5 (LOOKING FROM EAST TO WEST) IS NOT PROPERLY ATTACHED TO STRUCTURE - NOT DONE	Disapproved	1st priority	2/20/14 RLS 4/3/14 CG		Bechtel - 3/19/14: <i>As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related</i>	
2AR13	1262		2AR13 System Cable tray scope - ELEVATION 219' TO 180'	ROPE IS INSIDE CABLE TRAY SUPPORTING CONDUCTORS REMOVE AND USE CODE COMPLIANT METHOD OF ATTACHING CONDUCTORS - NOT DONE	Disapproved	1st priority	3/18/14 TV 4/3/14 RLS		Bechtel - 3/19/14: <i>As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.</i> CBO- 3/19/14: NOT NEW DENOTED AS PART OF CABLE TRAY INSPECTION.	
2AR13	1262	367666	2AR13 System Cable tray scope - ELEVATION 219' TO 180'	CONDUCTORS IN VERTICAL CABLE TRAYS (ALL 5) ARE NOT ATTACHED PER CODE REQUIREMENTS THEY MOVE IN THE WIND AND SLAP AGAINST CABLE TRAY SECURE PER CODE REQUIREMENTS FOR 21070THS,THR AND TMR - NOT DONE - WIND ISSUE	Disapproved	1st priority	2/20/14 RLS 4/3/14 CG 4/29/14 CG		Bechtel - 3/19/14: To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 2 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
2AR13	1071	359602	2AR13 - ELEVATION 180'	THERE ARE LIGHTS MOUNTED TO THE GUARD RAIL AT THE INTERMEDIATE STAIR LANDINGS AND ON THE PLATFORM ELEVATION. IN THE OPINION OF NRG, THIS IS NOT CODE COMPLIANT. SEE OSHA REGULATIONS 29 CFR PART 1910 OCCUPATIONAL SAFETY AND HEALTH STANDARDS SUBPART D, SUBPART TITLE WALKING-WORKING SURFACES, STANDARD NUMBER 1910.21, SECTIONS 1910.23, 1910.21(a)(4), 1910.23(e)(1), 1910.23(e)(6) AND CAL/OSHA Title 8, SECTIONS 3209(a), 3209(b) INCLUDING THE NOTE AND 3636(a). ALSO SEE CBC SECTIONS 1012.1 AND 1607.7. Lighting installation on Guardrails is approved per submittal STRUC-1-9.09 "Light Standard attached to Guardrail". Attachments used do not comply with Bechtel Lighting Submittal 000-ELJ-0000-00001 installations are disapproved.	Disapproved	1st Priority				ELECT
2AR13	1071	359603	2AR13 - ELEVATION 180'	THERE ARE LIGHTS MOUNTED TO THE GUARD RAIL ON THE TOP OF THE DA TANK. IN THE OPINION OF NRG, THIS IS NOT CODE COMPLIANT. SEE OSHA REGULATIONS 29 CFR PART 1910 OCCUPATIONAL SAFETY AND HEALTH STANDARDS SUBPART D, SUBPART TITLE WALKING-WORKING SURFACES, STANDARD NUMBER 1910.21, SECTIONS 1910.23, 1910.21(a)(4), 1910.23(e)(1), 1910.23(e)(6) AND CAL/OSHA Title 8, SECTIONS 3209(a), 3209(b) INCLUDING THE NOTE AND 3636(a). ALSO SEE CBC SECTIONS 1012.1 AND 1607.7. Lighting installation on Guardrails is approved per submittal STRUC-1-9.09 "Light Standard attached to Guardrail". Attachments used do not comply with Bechtel Lighting Submittal 000-ELJ-0000-00001 installations are disapproved.	Disapproved	1st Priority				ELECT

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2AR13	1071	359606	2AR13 - ELEVATION 180'	THE VERTICAL CABLE TRAY ON THE SOUTH SIDE OF THE STAIRS NEEDS TO BE SECURED PROPERLY TO THE STRUCTURE. THE TRAY FURTHEST TO THE WEST AT ELEVATION 210'-0" IS LOOSE. - NOT DONE - TEMP POWER	Disapproved	1st Priority	3/28/14 RLS 4/3/14 RLS 4/29/14 CG			ELECT
2AR14	1072	359597	2AR14 Structural Steel - ELEVATION 220'	THERE ARE LIGHTS MOUNTED TO THE GUARD RAIL AT THE INTERMEDIATE STAIR LANDINGS AND ON THE PLATFORM ELEVATION. IN THE OPINION OF NRG, THIS IS NOT CODE COMPLIANT. SEE OSHA REGULATIONS 29 CFR PART 1910 OCCUPATIONAL SAFETY AND HEALTH STANDARDS SUBPART D, SUBPART TITLE WALKING-WORKING SURFACES, STANDARD NUMBER 1910.21, SECTIONS 1910.23, 1910.21(a)(4), 1910.23(e)(1), 1910.23(e)(6) AND CAL/OSHA Title 8, SECTIONS 3209(a), 3209(b) INCLUDING THE NOTE AND 3636(a). ALSO SEE CBC SECTIONS 1012.1 AND 1607.7. Lighting installation on Guardrails is approved per submittal STRUC-1-9.09 "Light Standard attached to Guardrail". Attachments used do not comply with Bechtel Lighting Submittal 000-ELJ-0000-00001 installations are disapproved. NOT DONE	Disapproved	1st Priority	4/3/14 RLS			ELECT
2AR14	1275		2AR14 System Cable tray scope - ELEVATION 258' TO 220'	KELLEMS GRIPS ARE NO INSTALLED ON VERTICAL CONDUCTORS IN CABLE TRAY 21060THS60 - NOT DONE	Disapproved	1st priority	2/20/14 RLS 4/3/14 CG		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related	
2AR14	1275		2AR14 System Cable tray scope - ELEVATION 258' TO 220'	VERTICAL CABLE TRAY (FROM EAST TO WEST) TRAY #4 & #5 DOES NOT HAVE CABLE PROTECTION FROM 6' ABOVE FLOOR ELEVATION - NOT DONE	Disapproved	1st priority	2/20/14 RLS 4/3/14 CG		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related	
2AR14	1275		2AR14 System Cable tray scope - ELEVATION 258' TO 220'	CONDUCTORS IN VERTICAL CABLE TRAY # 4 ARE NOT SECURED TO THE CABLE TRAY PER CODE - NOT DONE	Disapproved	1st priority	2/20/14 RLS 4/3/14 CG		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related	
2AR14	1275		2AR14 System Cable tray scope - ELEVATION 258' TO 220'	NO SETROUTE INSTALLED ON VERTICAL CABLE TRAY # 4 & # 5 - NOT DONE - WIND ISSUE	Disapproved	1st priority	2/20/14 RLS 4/3/14 CG 4/29/14 CG		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related	
2AR14	1275		2AR14 System Cable tray scope - ELEVATION 258' TO 220'	CABLE TRAY # 5 (LOOKING FROM EAST TO WEST) IS NOT PROPERLY ATTACHED TO STRUCTURE - NOT DONE	Disapproved	1st priority	2/20/14 RLS 4/3/14 CG		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related	
2AR14		367669	2AR14 System Cable tray scope - ELEVATION 258' TO 220'	CONDUCTORS IN VERTICAL CABLE TRAYS ARE NOT ATTACHED PER CODE REQUIREMENTS THEY MOVE IN THE WIND AND SLAP AGAINST CABLE TRAY SECURE PER CODE REQUIREMENTS FOR 21070THS,THR AND TMR - NOT DONE	Disapproved	1st priority	2/20/14 RLS 4/3/14 CG		Bechtel - 3/19/14: To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 2 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
2AR14	1072	359601	2AR14 System Cable tray scope - ELEVATION 258' TO 220'	THE VERTICAL CABLE TRAY ON THE SOUTH SIDE OF THE STAIRS NEEDS TO BE SECURED PROPERLY TO THE STRUCTURE. THE TRAY FARTESTH TO THE WEST AT ELEVATION 249'-3" IS LOOSE. - NOT DONE - TEMP PWR CABLES	Disapproved	1st Priority	4/3/14 RLS 4/29/14 CG			ELECT
2AR15	1276		2AR15 System Cable tray scope - ELEVATION 297' TO 259'	CABLE TRAYS (LOOKING EAST TO WEST) #4 AND # 5 HAS NO ROUTE SET #5 - NOT DONE	Disapproved	1st priority	2/20/14 RLS 4/3/14 CG		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related	

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2AR15	1276	367671	2AR15 System Cable tray scope - ELEVATION 297' TO 259'	CONDUCTORS IN VERTICAL CABLE TRAY ARE NOT ATTACHED PER CODE REQUIREMENTS THEY MOVE IN THE WIND AND SLAP AGAINST CABLE TRAY SECURE PER CODE REQUIREMENTS FOR 21070THS,THR AND TMR - NOT DONE - NO CHANGE - WIND ISSUE	Disapproved	1st priority	2/20/14 RLS 4/3/14 CG 4/29/14 CG		Bechtel - 3/19/14: To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 2 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
2AR15	1276		2AR15 System Cable tray scope - ELEVATION 297' TO 259'	VERTICAL CABLE TRAY (FROM EAST TO WEST) TRAY #4 & #5 DOES NOT HAVE CABLE PROTECTION FROM 6' ABOVE FLOOR - NOT DONE	Disapproved	1st priority	2/20/14 RLS 4/3/14 CG		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related	
2AR16	1277		2AR16 System Cable tray scope - ELEVATION 335' TO 298'	VERTICAL CABLE TRAY (FROM EAST TO WEST) TRAY #4 HAS NO SETROUTE #'S AND DOES NOT HAVE CABLE PROTECTION FROM 6' ABOVE FLOOR ELEVATION	Disapproved	1st priority	2/20/14 RLS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related	
2AR16	1277	367672	2AR16 System Cable tray scope - ELEVATION 335' TO 298'	CONDUCTORS IN VERTICAL CABLE TRAY ARE NOT ATTACHED PER CODE REQUIREMENTS THEY MOVE IN THE WIND AND SLAP AGAINST CABLE TRAY SECURE PER CODE REQUIREMENTS FOR 21070THS,THR AND TMR @ ELEVATIONS 337 THRU 298 - NO CHANGE - WIND ISSUE	Disapproved	1st priority	2/20/14 RLS 4/29/14 CG		Bechtel - 3/19/14: To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 2 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
2AR16	1277		2AR16 System Cable tray scope - ELEVATION 335' TO 298'	TEMPORARY POWER CABLES @ POWER DISTRUBUTION BLOCK ARE NOT PROPERLY TERMINATED PER CODE	Disapproved	1st priority	3/18/14 TV		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO- 3/19/14: NOT NEW THIS WAS DENOTED AS PART OF THE CABLE TRAY INSPECTION.	
2AR17	1278		2AR17 System Cable tray scope - ELEVATION 375' TO 337'	VERTICAL CABLE TRAY (FROM EAST TO WEST) TRAY #4 HAS NO SETROUTE #'S AND DOES NOT HAVE CABLE PROTECTION FROM 6' ABOVE FLOOR ELEVATION	Disapproved	1st priority	2/20/14 RLS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related	
2AR17	1278		2AR17 System Cable tray scope - ELEVATION 375' TO 337'	TEMPORARY POWER CABLES ARE NOT SUPPORTED PER CODE	Disapproved	1st priority	3/18/14 TV		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO- 3/19/14: NOT NEW THIS WAS DENOTED AS PART OF THE CABLE TRAY INSPECTION.	
2AR17	1278	359589	2AR17 System Cable tray scope - ELEVATION 375' TO 337'	NUMEROUS CABLES IN VERTICAL CABLE TRAY, SOUTH OF G/L G NEAR 18 AT ELEVATION 366', NEED TO BE PROPERLY SUPPORTED - NO CHANGE - WIND ISSUE	Disapproved	1st Priority	4/29/14 CG			ELECT
2AR17	1096	359589	2AR17 - ELEVATION 375' TO 337'	NUMEROUS CABLES IN VERTICAL CABLE TRAY, SOUTH OF G/L G NEAR 18 AT ELEVATION 366', NEED TO BE PROPERLY SUPPORTED	Disapproved	1st Priority				ELECT
2AR17	1096	362759	2AR17 - ELEVATION 375' TO 337'	GAP IN HANDRAIL ABOVE DA OF THE PLATFORM. ELEVATION 180.	Disapproved	1st Priority				PIPING
2AR17	1096	362760	2AR17 - ELEVATION 375' TO 337'	GAP BETWEEN LADDER AND PLATFORM RAILING ABOVE DA. EAST OF THE PLATFORM. ELEVATION 180.	Disapproved	1st Priority				PIPING
2AR17	1096	362763	2AR17 - ELEVATION 375' TO 337'	INSTALL CONFINED SPACE SIGN AT THE DA MANHOLE. SOUTH OF THE PLATFORM. ELEVATION 180.	Disapproved	1st Priority				PIPING
2AR18	1279	367680	2AR18 System cable tray scope - ELEVATION 414' TO 376'	THERE IS AN APPARENT LOAD ISSUE FOR STRUCTURAL STEEL @ 21080THS80 THE STEEL IS ROLLING TOWARDS VERTICAL CABLE TRAY THE ENGINEER OF RECORD MUST ADDRESS THIS STRUCTURAL ISSUE	Disapproved	1st priority	2/20/14 RLS		Bechtel - 3/19/14: To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 2 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	

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2AR18	1279		2AR18 System cable tray scope - ELEVATION 414' TO 376'	TEMPORARY POWER CABLES ARE NOT SUPPORTED PER CODE, REMOVE CABLES OR SECURE PER CODE REQUIREMENTS -	Disapproved	1st priority	3/18/14 TV		Bechtel - 3/19/14: <i>As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.</i> CBO- 3/19/14: NOT NEW THIS WAS DENOTED AS PART OF THE CABLE TRAY INSPECTION.	
2AR18	1279	367684	2AR18 System cable tray scope - ELEVATION 414' TO 376'	DOUBLE UNISTRUT SUPPORT @ 21080THA, TMA & TSA 21 HAS NO BECHTEL ENGINEERING OR NEMA VE-2-2000 STANDARDS TO SUPPORT AS IS CONDITION - VERIFICATION OF ENGINEERING PENDING	Disapproved	1st priority	2/20/14 RLS 4/29/14 CG		Bechtel - 3/19/14: To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 2 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
2AR18	1279	367686	2AR18 System cable tray scope - ELEVATION 414' TO 376'	TRAPEZE SUPPORT INSTALLED TO SUPPORT CABLE TRAY CORNER IS NOT INSTALLED PER BECHTEL ENGINEERING AND OR NEMA VE-2-2000 STANDARDS - NO CHANGE	Disapproved	1st priority	2/20/14 RLS 4/29/14 CG		Bechtel - 3/19/14: To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 2 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
2AR18	1295	91145	2AR18 Tier 8 - ELEVATION 376' TO 395'	INSTALL A SELF CLOSING DOOR (SWING GATE) ON PLATFORM FOR 2-VB-MA-001A. GATE DOESN'T SWING OR LATCH.	Disapproved	2nd Priority				CIVIL
2AR18	1295	91153	2AR18 Tier 8 - ELEVATION 376' TO 395'	INSPECT GAP BETWEEN 2-VB-MA-001A AND PLATFORM/GRATING/HANDRAILS. APPEARS LARGER THAN OSHA ALLOWED.	Disapproved	2nd Priority				CIVIL
2AR18	1295	362753	2AR18 Tier 8 - ELEVATION 376' TO 395'	THE E-HOUSE BLDG (UNIT SRSG MCC 2-EC-EC-1050 A&B) NEED STAIRS TO BOTH OF THE BUILDINGS ENTRANCES. LOCATED NORTH OF THE PLATFORM. ELEVATION 395. - NO CHANGE	Disapproved	1st Priority	4/24/14 CG			CIVIL
2AR18	1295	362757	2AR18 Tier 8 - ELEVATION 376' TO 395'	REMOVE THE SCAFFOLDING LOCATED NW OF THE PLATFORM. ELEVATION 376.	Disapproved	2nd Priority				CIVIL
2AR18	1295		2AR18 Tier 8 - ELEVATION 376' TO 395'	PROVIDE LEVEL LANDINGS AT DOORS TO E-HOUSE LANDINGS SHALL HAVE A LENGTH MEASURED IN THE DIRECTION OF TRAVEL OF NOT LESS THAN 44 INCHES. LANDINGS, STAIRS, RAILINGS, STEPS, RISERS, GUARDRAILS SHALL COMPLY WITH CBC CHAPTER 10 AND CALOSHA THE MOST RESTRICTIVE SHALL APPLY IN ALL AREAS AND INSTALLATIONS IN UNIT 2 POWER BLOCK.	Disapproved	1st Priority	3/18/14 TV 5/29/14 SH		Bechtel - 3/19/14: <i>As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.</i> CBO- 3/19/14: THIS ISSUE WAS IDENTIFIED IN BECHTEL ITEM #363666 PRIOR TO PUBLICATION OF THE FINAL UNIT 2 PUNCH LIST.	
2AR18	1295		2AR18 Tier 8 - ELEVATION 376' TO 395'	CONDENSATE DRAINS TO DRAIN TO A APPROVED LOCATION AT 2-VB-MA-001A&B	Disapproved	1st Priority	3/18/14 TV		Bechtel - 3/19/14: <i>As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.</i> CBO- 3/19/14: THIS ISSUE WAS IDENTIFIED IN BECHTEL ITEM #363660 PRIOR TO PUBLICATION OF THE FINAL UNIT 2 PUNCH LIST.	
2AR19	1280		2AR19 System cable tray scope - ELEVATION 427' TO 415'	TEMPORARY POWER CABLES ARE SUPPORTED BY ROPE OFF GAURDRAIL INSTALL PER CODE OR REMOVE - NOT DONE	Disapproved	1st priority	2/20/14 RLS 4/10/14 RLS		Bechtel - 3/19/14: <i>This item is a NRG PL item for temporary power. It is the responsibility of NRG to close out with CBO and will not be added to the Bechtel PL data base.</i>	
2AR19	1280	367710	2AR19 System cable tray scope - ELEVATION 427' TO 415'	THE DOUBLE CANTILEAVERED UNISTRUT CABLE TRAY SUPPORT INSTALLED FOR 21090TMA43 THRU 21090TMA87 HAS NO SUPPORTING ENGINEERING FOR AS IS CONDITION, PROVIDE ENGINEERING OR FIX PER BECHTEL ENGINEERING AND OR NEMA VE-2-2000 STANDARDS - NOT DONE, RE-ENGINEERING PENDING	Disapproved	1st priority	3/28/14 RLS 4/3/14 RLS 4/10/14 RLS		Bechtel - 3/19/14: To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 2 cable tray walks prior to submitting fil CBO punchlist on 3/4/14.	
2AR19	1029	362728	2AR19 - ELEVATION 427' TO 415'	PUNCTURE ON INSULATION LOCATED ON COLUMN 17, LOCATED BEHIND AND APPROX 3' ABOVE A YELLOW TOE PLATE. ELEVATION 439 - NOT DONE	Disapproved	2nd Priority	4/10/14 RLS			SUBCON
2AR19	1029	362729	2AR19 - ELEVATION 427' TO 415'	PIPE NEEDS SUPPORT. LOCATED COLUMN 16 SOUTH OF L.2. ELEVATION 439 - NOT DONE	Disapproved	2nd Priority	4/10/14 RLS			PIPING

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2AR19	1029	362732	2AR19 - ELEVATION 427' TO 415'	PROVIDE ADEQUATE SUPPORT FOR HEAT TRACE CABLE, ALONG COLUMN LINE 16 BETWEEN G12 AND L2 WEST OF THE PLATFORM. ELEVATION 439 - NOT DONE	Disapproved	2nd Priority	4/10/14 RLS			ELECT
2AR20	1048	77073	Unit 2 General Power Block Area 2AR20	FINISH GRADE POWER BLOCK	Disapproved	1st Priority				CIVIL
2AR22	1027	366923	2AR22 - ELEVATION 460' TO 472'	REMOVE ALL TEMPORARY POWER CABLES - NOT DONE	Disapproved	2nd priority	3/21/14 RLS 4/10/14 RLS			
2AR23	1026	362347	2AR23 - ELEVATION 492' TO 500'	REMOVE TEMPORARY POWER IN THE AREA. NOT DONE - DUPLICATE OF 362359	Disapproved	1st Priority	3/28/14 RLS 4/3/14 RLS 4/10/14 RLS			ELECT
2AR25	1284		2AR25 System, Cable Tray Scope - ELEVATION 536'	CONDUITS 21171CS005 AND 21171CS006 ENDS DO NOT HAVE DOWN TURN OR SEALED TO PREVENT WATER FROM ENTERING CONDUIT	Disapproved	1st priority	2/20/14 RLS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.	
2AR25	1284		2AR25 System, Cable Tray Scope - ELEVATION 536'	TEMPERARY POWER CABLES ARE SUPPORTED OFF GAURDRAIL INSTALL PER CODE OR REMOVE - NOT DONE	Disapproved	1st priority	2/20/14 RLS 4/10/14 RLS		Bechtel - 3/19/14: This item is a NRG PL item for temporary power. It is the responsibility of NRG to close out with CBO and will not be added to the Bechtel PL data base.	
2AR25	1024	362327	2AR25 System, elevation 528'-7 1/2" to 555'-9"	REMOVE TOP LIGHTING FIXTURES FROM TOP TAIL. (ELEVATION 536.5) Lighting installation on Guardrails is approved per submittal STRUC-1-9.09 "Light Standard attached to Guardrail". Attachments used do not comply with Bechtel Lighting Submittal 000-ELJ-0000-00001 installations are disapproved.	Disapproved	2nd Priority	4/3/14 CG 4/10/14 RLS			ELECT
2AR25	1024	362337	2AR25 System, elevation 528'-7 1/2" to 555'-9"	NEED PROPER SUPPORT FOR PIPE AT VALVE 002-AA-V-1109B, ADJACENT TO L-2. (ELEVATION 536.5) - NOT DONE NO LATERAL SUPPORT	Disapproved	2nd Priority	4/10/14 RLS			PIPING
2AR30	1170	366925	2AR30 - Solar Field Sector B	Disapproved - 2AR30 - Solar Field Sector B No inspection performed in this Sector	Disapproved	1st Priority				
2AR31	1171	366926	2AR31 - Solar Field Sector C	Disapproved - 2AR31 - solar field sector C No inspection performed in this Sector	Disapproved	1st Priority				
2AR32	1172	366927	2AR32 - Solar Field Sector D	Disapproved - 2AR32 - Solar Field Sector D No inspection performed in this Sector	Disapproved	1st Priority				
2AR33	1173	362384	2AR33 - Solar Field Sector A	REPLACE 2 ELECTRICAL CONDUITS DAMAGED BY VEHICLES - NN ROAD BETWEEN AR32 AND AR33	Disapproved	1st Priority	3/11/2014 CG			ELECT
2AR34	1174	366928	2AR34 - Solar Field Sectors E & F	Disapproved - 2AR34 - Solar Field Sectors E & F No inspection performed in this Sector	Disapproved	1st Priority				
2AR35	1065	364111	Unit 2 Access Rd 2AR35	PROVIDE EROSION CONTROL FOR THE INLET AND OUTLET OF THE CONCRETE CULVERT ROAD CROSSINGS.	Disapproved	2nd Priority				PE
2BM1	797	88555	2BM1 Blow Down System	PIPE SUPPORT BM0524 NEEDS SHIM AND SHOE IS NOT INSTALLED ON SUPPORT	Disapproved	2nd Priority				PIPING
2BM1	797	88556	2BM1 Blow Down System	PIPE SUPPORT WEST OF SRSG BLOWDOWN TANK NEAR PIPE SUPPORT BM0524 NEEDS SHIM AND SHOE IS NOT INSTALLED ON SUPPORT	Disapproved	2nd Priority				PIPING
2DNN05A		255011		ROAD CROSSING CONDUIT IS DAMAGED	Disapproved	2nd Priority				HELIO
2EA1	720	65065	2EA1, 2EA2, 2EA3, 2EA5, 2EA6, 2EA7 PDU'S	TERMINATE AND TORQUE CABLING IN FIELD DISTRIBUTION PANEL	Disapproved	1st Priority				ELECT
2EA1	720	86965	2EA1, 2EA2, 2EA3, 2EA5, 2EA6, 2EA7 PDU'S	GROUND WIRES LOOSE TO 2-EA-EA-009 CABINET	Disapproved	1st Priority				HELIO
2EA1	720	359616	2EA1, 2EA2, 2EA3, 2EA5, 2EA6, 2EA7 PDU'S	PROVIDE THE 'RED LINED' PANEL SCHEDULE FOR 2-EA-EA-004	Disapproved	1st Priority				SU-ELECT
2EA1	720	359617	2EA1, 2EA2, 2EA3, 2EA5, 2EA6, 2EA7 PDU'S	PROVIDE THE 'RED LINED' PANEL SCHEDULE FOR 2-EA-EA-005	Disapproved	1st Priority				SU-ELECT
2EA1	720	359618	2EA1, 2EA2, 2EA3, 2EA5, 2EA6, 2EA7 PDU'S	PROVIDE THE 'RED LINED' PANEL SCHEDULE FOR 2-EA-EA-008	Disapproved	1st Priority				SU-ELECT
2EA2	720	65066	2EA1, 2EA2, 2EA3, 2EA5, 2EA6, 2EA7 PDU'S	TERMINATE AND TORQUE CABLING IN FIELD DISTRIBUTION PANEL	Disapproved	1st Priority				ELECT
2EC4	724	366936	2EC4 SYSTEM, PSB MCC AND STG MCC #2 AND XFMR	This is an inspection of the system designated as 2EC4. See attachment for item inspected and for the remaining item which require inspection for final approval	Disapproved	1st Priority				
2EG1	934		2EG1, Grounding Unit 2	BOND BOTH ENDS OF METTALIC RACEWAYS ENCLOSING GROUNDING ELECTRODE CONDUCTORS AT THREE THE CORNERS OF THE GCB PLAN # 002-EG-3701-00001 - NOT DONE	Disapproved	1st priority	3/18/14 TV		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO - 3/19/14: UNIT 2 GROUNDING INSPECTION IS ONGOING	

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2EG1	934		2EG1, Grounding Unit 2	PROVIDE APPROVED GROUND CONNECTIONS AT SINGLE PANEL FENCING AT NORTH EAST FENCING OF THE SWITCHYARD	Disapproved	1st priority	3/18/14 TV		Bechtel -3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO - 3/19/14: UNIT 2 GROUNDING INSPECTION IS ONGOING	
2EG1	934		2EG1, Grounding Unit 2	EXPOSE GROUND CONNECTION TO GROUNDING CONDUCTOR AT NE CORNER FOR INSPECTION	Disapproved	1st Priority	3/18/14 TV		Bechtel -3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO - 3/19/14: UNIT 2 GROUNDING INSPECTION IS ONGOING	
2EG1	934		2EG1, Grounding Unit 2	PROVIDE GROUNDING ON THE NORTHEAST CORNER COLUMN AT THE NPB - NOT DONE	Disapproved	1st Priority	3/18/14 TV		Bechtel -3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO - 3/19/14: UNIT 2 GROUNDING INSPECTION IS ONGOING	
2EG1	934		2EG1, Grounding Unit 2	PROVIDE 30 IN OF COVER AT GROUND CONDUCTER AT STAIRS SOUTH OF NITROGEN BOTTLE RACKS - NOT DONE	Disapproved	1st Priority	3/18/14 TV		Bechtel -3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO - 3/19/14: UNIT 2 GROUNDING INSPECTION IS ONGOING	
2EG1	934		2EG1, Grounding Unit 2	GROUND CONNECTION AT 2-EH-ET-711 BOLT AND WASHER USED TO SECURE GROUND LUG IS THE WRONG SIZE - NOT DONE/NO CHANGE	Disapproved	1st priority	3/18/14 TV		Bechtel -3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related. CBO - 3/19/14: UNIT 2 GROUNDING INSPECTION IS ONGOING	
2EG2	935	360663	2EG2, Grounding Grid Solar Field	LOOSE GROUND BOLT INTERNALLY ON LEFT SIDE OF CABINET ON P-S-SW-08-B	Disapproved	1st Priority				ELECT
2EH1	959	362716	2EH1, Electrical Trace Heating Unit 2	2-EH-ET-711- REWORK HIGH SIDE TERM LUGS TO BE FRONTSIDE TO HAVE MORE CONTACT ON COPPER. - SHUT DOWN REQUIRED - NOT DONE	Disapproved	1st Priority	3/21/14 RLS			
2EH2	1030	360907	2EH2 System, Unit 2 SRSG Heat Trace	WALKDOWN 2-AA-FIT-5162-HE, UNIT-2 INSTRUMENT HEATED ENCLOSURE HEAT TRACE WITH CBO	Disapproved	1st Priority				ELECT
2EH2	1030	361034	2EH2 System, Unit 2 SRSG Heat Trace	WALKDOWN UNIT-2 HEAT TRACE HOT/COLD JB WITH CBO	Disapproved	1st Priority				ELECT
2EH4	1032	367053	2-EH-EJP-295-02, UNIT-2 HEAT TRACED HOT/COLD JB	Loose liquid tight coupling and missing support from rigid conduit termination (over 3 ft)	Disapproved	1st Priority	5/29/14 MS			
2EH4	1032	367054	2-EH-EJP-295-03, UNIT-2 HEAT TRACED HOT/COLD JB	Access not provided	Disapproved	1st Priority	5/29/14 MS			
2EH4	1032	367055	2-EH-EJP-295-04, UNIT-2 HEAT TRACED HOT/COLD JB	Access not provided	Disapproved	1st Priority	5/29/14 MS			
2EH4	1032	367056	2-EH-EJP-295-05, UNIT-2 HEAT TRACED HOT/COLD JB	Access not provided	Disapproved	1st Priority	5/29/14 MS			
2ES1	643	87799	Unit 2 System 2ES1, 4.16kV Switchgear	AIR FILTER FOR CONSERVATORY TANK SHOWING TOO LOW LEVEL FOR TRANSFORMER 2-ES-ETP-001 - Still low 3/31/2014 MS	Disapproved	2nd Priority	3/31/14 MS			SU-ELECT
2ES1	643	87800	Unit 2 System 2ES1, 4.16kV Switchgear	(6) BUS BOLTS ARE TOO SHORT IN TRANSITION SECTIONS ON 2-ES-ES-3111A/B - Approval letter is forthcoming from Bechtel per NRG. 3.31.14 MS	Disapproved	1st Priority	3/31/14 MS			SU-ELECT
2EW2	940	363138	2EW2, Welding Receptacles	THE CONDUIT TO 2-EW-WR-002 IS ATTACHED TO THE RAIL OF THE HANDRAIL. NO CHANGE	Disapproved	1st Priority	4/29/14 CG			PE
2EW2	940	363140	2EW2, Welding Receptacles	THE CONDUIT TO 2-EW-WR-003 IS ATTACHED TO THE RAIL OF THE HANDRAIL. NO CHANGE	Disapproved	1st Priority	4/29/14 CG			PE

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2EY2	958	361670	2EY2, Generator/excitation/neutral grd equip	2-EZ-ANT-002: VERIFY 2-EZ-ANT-002 IS INSTALLED PER DESIGN. CURRENTLY NOT INSTALLED PER DRAWING - DRAWING NOT PROVIDED - NO CHANGE	Disapproved	1st Priority	3/4/2014 MS 4/29/14 CG			ELECT
2EY3	731	88509	2EY3 SYSTEM, UNIT 2 115KV SWITCHYARD	VERIFY 115 KV A-PHASE BUSHING LEAK HAS BEEN RESOLVED. VERIFY WITH DOCUMENTATION FROM START-UP OR FACTORY APPROVED REPRESENTATIVE MAKING REPAIRS	Disapproved	2nd Priority	3/11/2014 CG 3/31/14 MS			SU-ELECT
2FG1	946	361351	2FG1, Fuel Gas System	INSTALL DOOR/GATE ON FUEL GAS SKID PLATFORM	Disapproved	2nd Priority				CIVIL
2FL1	947	361397	2FL1, Main Turbine Lube Oil System	MULTIPLE LOOSE ANCHOR BOLTS ON LUBE OIL ENCLOSURE COLUMNS. TIGHTEN/TORQUE ALL - ANCHORS TIGHTENED, NO TORQUE SHEETS PROVIDED	Disapproved	1st Priority	4/24/14 CG			CIVIL
2FL2	948	361361	2FL2, BF Pump/Turbine Lube Oil System	INSTALL PERMANENT TAG ON 2-SD-EC-001. TAG NEEDS TO STATE 'MBFP' NOT 'SUBFP'. - NOT READY 3/4/2014	Disapproved	2nd Priority	3/4/2014 MS			ELECT
2FL2	948	361363	2FL2, BF Pump/Turbine Lube Oil System	EXTEND VENTS ON MIST ELIMINATOR BLOWER 2-SD-MA-001A TO SAFE LOCATION (SAME AS U1)	Disapproved	1st Priority				PIPING
2FL2	948	361364	2FL2, BF Pump/Turbine Lube Oil System	EXTEND VENTS ON MIST ELIMINATOR BLOWER 2-SD-MA-001B TO SAFE LOCATION (SAME AS U1)	Disapproved	1st Priority				PIPING
2JA1	951	360763	2JA1, Steam/Water Analysis System	INCREASE MAIN SWAS BUILDING DOOR LANDING PAD - NO CHANGE	Disapproved	1st Priority	4/24/14 MS			CIVIL
2JA1	951	360769	2JA1, Steam/Water Analysis System	INSTALL SIDE PANEL ON CHILLER 2-JA-ME-001	Disapproved	2nd Priority				SU-MECH
2JA1	951	360772	2JA1, Steam/Water Analysis System	MISSING COVER ON DEVICE ABOVE MAIN SWAS BUILDING DOOR	Disapproved	2nd Priority				SU-MECH
2JA1	951	360777	2JA1, Steam/Water Analysis System	INSTALL DOOR HINGE ON DEMIN SWAS BUILDING DOOR	Disapproved	2nd Priority				??
2JA1	951	360778	2JA1, Steam/Water Analysis System	INSTALL TEMPORARY EYE WASH STATION INSIDE DEMIN SWAS BUILDING SINCE PERMANENT EYE WASH HAS NOT BEEN COMMISSIONED	Disapproved	1st Priority				SU-MECH
2JA1	951	360780	2JA1, Steam/Water Analysis System	LOOSE INSULATION PIECE INSIDE HVAC VENT INSIDE DEMIN SWAS BUILDING	Disapproved	2nd Priority				MECH
2JD1	956	28861	2JD1, PSB DCS Cabinets & work stations	PULL AND TERMINATE CABLE 2EF01AXB TO: 9-JD-EJJ-812, TO: 9-EF-TEL-002	Disapproved	2nd Priority				SUBCON
2JD1	956	28888	2JD1, PSB DCS Cabinets & work stations	PULL AND TERMINATE CABLE 2EF01AZB TO: 9-JD-EJJ-812, TO: 9-EF-TEL-002	Disapproved	2nd Priority				SUBCON
2JD4	905	76030	System 2JD4 ,PSB SFINCS , Unit2, Admin Bldg.	PLAN SHEET 009-EC-EL-00002 HAS NOT BEEN SUBMITTED AND IS REVERENCED IN THE INSPECTION REQUEST AS ONE OF THE PLAN SHEETS FOR THIS SYSTEM. - ?????	Disapproved	2nd Priority	RLS 02-12-2014			ELECT
2JD4	905	77288	System 2JD4 ,PSB SFINCS , Unit2, Admin Bldg.	ADD LOCK WASHER TO ALL BASE PLATE. VERIFY XFMR ON 2-JS-CAF-3010, 2-JS-CAF-3030, 2-JS-CAF-3040 IF IT IS NEMA3 VERTICAL OR HORIZONTAL	Disapproved	2nd Priority				ELECT
2JD4	905	77289	System 2JD4 ,PSB SFINCS , Unit2, Admin Bldg.	VERIFY GROUND INSIDE XFMR AT 2JS-CAF-3030	Disapproved	2nd Priority				ELECT
2PF4	824	87777	2PF4 Wet Pipe Sprinkler System for PSB	REMOVE SWITCH ON HARD WIRED CONNECTION FROM AIR COMPRESSOR - NO CHANGE	Disapproved	2nd Priority	3/11/2014 CG			ELECT
2PF7	909	363346	System 2PF7,Foam deluge Boiler , Unit 2.	INSTALL PLACARD IDENTIFYING BFP DELUGE BUILDING. SEE CFC SECTION 505.1 PREMISIS IDENTIFICATION.	Disapproved	2nd Priority				SU-MECH
2PF7	909	363347	System 2PF7,Foam deluge Boiler , Unit 2.	PLACE PLUGS ON ALL BFP DELUGE VENTS AND DRAINS INSIDE DELUGE VALVE HOUSE.	Disapproved	2nd Priority				SU-MECH
2PW1	910	360725	System 2PW1 ,Potable Water , Unit 2.	PROVIDE LEVEL WORKING SPACE IN FRONT OF 2-PW-ME-015	Disapproved	1st Priority				CIVIL
2PW1	910	360727	System 2PW1 ,Potable Water , Unit 2.	COMPLETE INSULATION INSTALLATION ON PIPING BELOW 2-PW-ME-015-ENN	Disapproved	2nd Priority				INSUL
2PW1	910	360735	System 2PW1 ,Potable Water , Unit 2.	COMPLETE INSULATION INSTALLATION ON PIPING BELOW 2-PW-ME-018-ENN	Disapproved	2nd Priority				INSUL
2PW1	910	360740	System 2PW1 ,Potable Water , Unit 2.	COMMISSION POTABLE WATER SYSTEM - 6/2/14 TV CHANGED STATUS. POTABLE WATER REQUIRED FOR EMERGENCY EYEWASH AND SHOWER FACILITIES. TV	Disapproved	1st Priority	6/2/14 TV			SU-MECH
2PW1	910	360741	System 2PW1 ,Potable Water , Unit 2.	BATTERY ROOM SELF CONTAINED EYE EASH STATION NEEDS TO BE COMMISSIONED AND CONTAIN POTABLE WATER (PY-018)	Disapproved	1st Priority				SU-MECH
2PW1	910	360742	System 2PW1 ,Potable Water , Unit 2.	BOILER CIRCULATION PUMP UPS BATTERY ROOM SELF CONTAINED EYE EASH STATION NEEDS TO BE COMMISSIONED AND CONTAIN POTABLE WATER (PY-009)	Disapproved	1st Priority				SU-MECH
2PW1	910	360743	System 2PW1 ,Potable Water , Unit 2.	SAMPLING SYSTEM SELF CONTAINED EYE EASH STATION NEEDS TO BE COMMISSIONED AND CONTAIN POTABLE WATER (PY-016)	Disapproved	1st Priority				SU-MECH
2PW1	910	360744	System 2PW1 ,Potable Water , Unit 2.	DEMINERALIZED WATER ANALYZER SHELTER SELF CONTAINED EYE EASH STATION NEEDS TO BE COMMISSIONED AND CONTAIN POTABLE WATER (PY-006)	Disapproved	1st Priority				SU-MECH
2PW1	910		2-PW-ME-018-ENN_UNIT 2 WSAC CHEM. TREAT. ELEC. WTR HTR DISC SW	ENERGIZED AT THE TIME OF WALK-THROUGH; PREVIOUSLY BUGGED	Disapproved	1st Priority	3/11/2014 CG		Bechtel -3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 2/12/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.	
2SA1	808	361110	2SA1 Night Preservation Boiler System	2-FG-EP-006: MISSING RELAY	Disapproved	2nd Priority				SU-ELECT

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2SA2	811	361974	2SA2 Auxilliary Boiler System	INSTALL ENCLOSURE ON 2-AA-FIT-7062	Disapproved	1st Priority				INSTR
2SA2	811	361982	2SA2 Auxilliary Boiler System	REPLACE BROKEN ENCLOSURE FOR 2-AA-PIT-0024.	Disapproved	1st Priority				INSTR
2SA2	811	361996	2SA2 Auxilliary Boiler System	PIPING/TUBING IS NOT COMPLETED FOR 2-SB-FIT-0052A/B/C	Disapproved	2nd Priority				INSTR
2SA2	811	362037	2SA2 Auxilliary Boiler System	INSTALL CAP ON 2-SB-V-090	Disapproved	2nd Priority				SU-MECH
2SC1		363538		FINALIZE WET SPRINKLER SYSTEM IN CONTROL, BATTERY, AND ELECTRICAL ROOMS (REMOVAL OR MODIFICATION).	Disapproved	1st Priority				CONSTR
2SC1		363558		MODIFY STG FIRE PROTECTION TO ALLOW SYSTEM TO REMAIN IN SERVICE WITHOUT EXCITER CONCERNS.	Disapproved	1st Priority				PE
2SC1		363562		PROVIDE FINAL CERTIFICATION OF POTABLE WATER SYSTEM.	Disapproved	1st Priority				SU-MECH
2SL1	1114	361621	System 2SL1 Seal Steam System	REPLACE SOLENOID AND ATTACHED FLEX ON 2-SL-02LCE10AA050	Disapproved	2nd Priority				SU-INSTR
2SL1	1114	361643	System 2SL1 Seal Steam System	2-SL-TE-LBA50CT005 IS LOOSE	Disapproved	1st Priority				SU-INSTR
2SL1	1114	361646	System 2SL1 Seal Steam System	SWITCH 2-SL-02MAM10AA010 AND 2-SL-02MAM10AA030 TAGS	Disapproved	2nd Priority	2/13/2014 TV			PIPING
2SL1	1114	361649	System 2SL1 Seal Steam System	2-SL-02-MAM10AZ020 HAS INCORRECT TAG. INSTALL CORRECT TAG.	Disapproved	2nd Priority				PIPING
2TL1	913	89335	System 2TL1 , WSAC Chemical Injection , Unit 2.	INSTALL TOTE STAND FOR 2-TL-MS-001 (SODIUM HYPOCHLORITE) CHEMICAL TOTE	Disapproved	2nd Priority				CIVIL
2TL1	913	89336	System 2TL1 , WSAC Chemical Injection , Unit 2.	INSTALL TOTE STAND FOR 2-TL-MS-002 (CORROSION INHIBITOR) CHEMICAL TOTE	Disapproved	2nd Priority				CIVIL
2TL1	913	89337	System 2TL1 , WSAC Chemical Injection , Unit 2.	INSTALL TOTE STAND FOR 2-TL-MS-003 (SODA ASH) CHEMICAL TOTE	Disapproved	2nd Priority				CIVIL
2VB1	955	91102	2VB1, PSB - HVAC System	INSPECT HUMIDIFIERS (2-VB-HUM-001 & 2-VB-HUM-002) AFTER POTABLE WATER SYSTEM IS COMMISSIONED	Disapproved	1st Priority				SU-MECH
2VB1	955	91115	2VB1, PSB - HVAC System	THREADED FEMALE BUSHING TO MALE COPPER FITTING ON CONDENSATE LINE OF HVAC UNIT HP-1. INCORRECT FEMALE PVC TO COPPER CONNECTION PER CODE. REFERENCE CMC SECTION 310.5 AND CPC SECTION 606.2.2. - NOT DONE	Disapproved	1st Priority	3/28/14 RLS			MECH
2VB1	955	91116	2VB1, PSB - HVAC System	THREADED FEMALE BUSHING TO MALE COPPER FITTING ON CONDENSATE LINE OF HVAC UNIT HP-2. INCORRECT FEMALE PVC TO COPPER CONNECTION PER CODE. REFERENCE CMC SECTION 310.5 AND CPC SECTION 606.2.2. - NOT DONE	Disapproved	1st Priority	3/28/14 RLS			MECH
2VB1	955	91117	2VB1, PSB - HVAC System	FILTER FRAME IS BROKEN FOR HVAC UNIT HP-2	Disapproved	2nd Priority				SU-MECH
2VB1	955	91118	2VB1, PSB - HVAC System	INSTALL PERMANENT TAG ON HVAC UNIT HP-6	Disapproved	1st Priority				MECH
2VB1	955	91121	2VB1, PSB - HVAC System	THREADED FEMALE BUSHING TO MALE COPPER FITTING ON CONDENSATE LINE OF HVAC UNIT HP-5. INCORRECT FEMALE PVC TO COPPER CONNECTION PER CODE. REFERENCE CMC SECTION 310.5 AND CPC SECTION 606.2.2. - NOT DONE	Disapproved	1st Priority	3/28/14 RLS			MECH
2VB1	955	91122	2VB1, PSB - HVAC System	THREADED FEMALE BUSHING TO MALE COPPER FITTING ON CONDENSATE LINE OF HVAC UNIT HP-6. INCORRECT FEMALE PVC TO COPPER CONNECTION PER CODE. REFERENCE CMC SECTION 310.5 AND CPC SECTION 606.2.2. - NOT DONE	Disapproved	1st Priority	3/28/14 RLS			MECH
2VB1	955	91123	2VB1, PSB - HVAC System	COMPLETE CONDENSATE DRAIN SUPPORTS FOR HVAC UNIT HP-1	Disapproved	2nd Priority				PIPING
2VB1	955	91124	2VB1, PSB - HVAC System	COMPLETE CONDENSATE DRAIN SUPPORTS FOR HVAC UNIT HP-2	Disapproved	2nd Priority				PIPING
2VB1	955	91125	2VB1, PSB - HVAC System	COMPLETE CONDENSATE DRAIN SUPPORTS FOR HVAC UNIT HP-3	Disapproved	2nd Priority				PIPING
2VB1	955	91126	2VB1, PSB - HVAC System	COMPLETE CONDENSATE DRAIN SUPPORTS FOR HVAC UNIT HP-4	Disapproved	2nd Priority				PIPING
2VB1	955	91127	2VB1, PSB - HVAC System	COMPLETE CONDENSATE DRAIN SUPPORTS FOR HVAC UNIT HP-5	Disapproved	2nd Priority				PIPING
2VB1	955	91128	2VB1, PSB - HVAC System	COMPLETE CONDENSATE DRAIN SUPPORTS FOR HVAC UNIT HP-6	Disapproved	2nd Priority				PIPING
2VB1	955	91131	2VB1, PSB - HVAC System	INSPECT BASIN LEAKING AROUND HVAC UNIT HP-4. FIX POSSIBLE LEAKS.	Disapproved	2nd Priority				SU-MECH
2VB2	914	91146	System 2VB2 ,EEM - HVAC System , Unit 2.	NOT ENOUGH CLEARANCE BETWEEN PLATFORM FOR 2-VB-MA-001A LADDER AND CONDUIT. CURRENT DISTANCE IS 23 INCHES. CAL OSHA 3277 SUBCHAPTER 7 GROUP 1 ARTICLE 4 (6) & (7) MINIMUM PERPENDICULAR DISTANCE TO BE 30 INCH CLEARANCE MAY BE REDUCED TO 24 INCHES. IF DEFLECTION DEVICE IS INSTALLED & SIGNAGE @ EYE LEVEL INFORMING WORKERS OF REDUCED CLEARANCE ABOVE.	Disapproved	2nd Priority	3/21/14 RLS		CBO 3/25/14: THIS HAS BEEN ON THE PUNCH LIST SINCE 12/06/2012 FROM A 2VB2 SYSTEM WALK BY CBO MIKE SNYDER, NRG & BECHTEL ENGINEER	ELECT
2VB2	914	91154	System 2VB2 ,EEM - HVAC System , Unit 2.	ROUTE CONDENSATE DRAINS FOR 2-VB-MA-001A AND 2-VB-MA-001B TO A SAFE LOCATION. SEE CMC SECTIONS 1007.0 AND 1018.0 FOR DISCHARGE OF STEAM/WATER SECTIONS 1007.0 AND 1018.0.	Disapproved	2nd Priority				PIPING
2VB2	914	91155	System 2VB2 ,EEM - HVAC System , Unit 2.	LOUVER ON WEST SIDE OF 2-VB-MA-001B IS PROTRUDING FROM THE UNIT	Disapproved	2nd Priority				SU-MECH
2VB2	914	91156	System 2VB2 ,EEM - HVAC System , Unit 2.	RETURN AIR DUCT INSULATION THROUGH LOUVER FOR 2-VB-MA-711A INSIDE WT EEM NEEDS TO BE ADJUSTED FLAT	Disapproved	2nd Priority				SU-MECH
2VB2	914	91157	System 2VB2 ,EEM - HVAC System , Unit 2.	LOOSE PANEL ON 2-VB-MA-711A	Disapproved	2nd Priority				MECH
2VB2	914	91165	System 2VB2 ,EEM - HVAC System , Unit 2.	BALANCE HVAC DAMPERS AND SET POSITION ON ACC EEM HVAC UNIT #1 & #2	Disapproved	2nd Priority				SU-MECH
2VB2	914	91166	System 2VB2 ,EEM - HVAC System , Unit 2.	INSTALL PERMANENT TAG ON ACC EEM HVAC UNIT #1	Disapproved	1st Priority				MECH
2VB2	914	91167	System 2VB2 ,EEM - HVAC System , Unit 2.	INSTALL PERMANENT TAG ON ACC EEM HVAC UNIT #2	Disapproved	1st Priority				MECH
2VB2	914	237475	System 2VB2 ,EEM - HVAC System , Unit 2.	PROVIDE SCOPE DRAWINGS	Disapproved	2nd Priority				SU-MECH
2VB3	1043	91176	2VB3 System, Unit 2 HVAC at BCP UPS Ehouse	INSTALL PERMANENT TAG ON 2-VB-MA-190A	Disapproved	1st Priority				MECH

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2VB3	1043	91177	2VB3 System, Unit 2 HVAC at BCP UPS Ehouse	INSTALL PERMANENT TAG ON 2-VB-MA-190B	Disapproved	1st Priority				MECH
2VB3	1043	91178	2VB3 System, Unit 2 HVAC at BCP UPS Ehouse	INSTALL PERMANENT TAG ON 2-VB-MA-191A	Disapproved	1st Priority				MECH
2VB3	1043	91179	2VB3 System, Unit 2 HVAC at BCP UPS Ehouse	INSTALL PERMANENT TAG ON 2-VB-MA-191B	Disapproved	1st Priority				MECH
2VB3	1043	91189	2VB3 System, Unit 2 HVAC at BCP UPS Ehouse	THREADED FEMALE BUSHING TO MALE COPPER FITTING ON CONDENSATE LINE OF HVAC UNIT 2-VB-MA-190A. INCORRECT FEMALE PVC TO COPPER CONNECTION PER CODE. REFERENCE CMC SECTION 310.5 AND CPC SECTION 606.2.2. - NOT DONE	Disapproved	1st Priority	3/21/14 RLS			MECH
2VB3	1043	91190	2VB3 System, Unit 2 HVAC at BCP UPS Ehouse	THREADED FEMALE BUSHING TO MALE COPPER FITTING ON CONDENSATE LINE OF HVAC UNIT 2-VB-MA-190B. INCORRECT FEMALE PVC TO COPPER CONNECTION PER CODE. REFERENCE CMC SECTION 310.5 AND CPC SECTION 606.2.2. - NOT DONE	Disapproved	1st Priority	3/21/14 RLS			MECH
2VB3	1043	237476	2VB3 System, Unit 2 HVAC at BCP UPS Ehouse	PROVIDE SCOPE DRAWINGS	Disapproved	2nd Priority				SU-MECH
2WB1	816	360818	2WB1 Closed Cooling Water System	LOOSE U-BOLT BETWEEN 2-AA-PI-2047 AND 2-AA-TE-2046	Disapproved	1st Priority				PIPING
2WB1	816	360827	2WB1 Closed Cooling Water System	LEAK ON RETURN LINE FLANGE (T4) ON BFP TURBINE LUBE OIL COOLER	Disapproved	1st Priority				SU-MECH
2WB1	816	360828	2WB1 Closed Cooling Water System	INSTALL ENCLOSURE ON 2-WB-PDIS-1152	Disapproved	2nd Priority				INSTR
2WB1	816	360832	2WB1 Closed Cooling Water System	EXPANSION JOINT 2-WB-PY-006 IS OUT OF TOLERANCE	Disapproved	2nd Priority				SU-MECH
2WB1	816	360833	2WB1 Closed Cooling Water System	EXPANSION JOINT 2-WB-PY-007 IS OUT OF TOLERANCE	Disapproved	2nd Priority				SU-MECH
2WB1	816	360838	2WB1 Closed Cooling Water System	LOOSE U-BOLT UPSTREAM OF 2-WB-V-HWBUT16	Disapproved	1st Priority				PIPING
2WB1	816	360839	2WB1 Closed Cooling Water System	TIGHTEN U-BOLT ON PIPE SUPPORT DOWNSTREAM OF 2-WB-V-COBUT14	Disapproved	1st Priority				PIPING
2WB1	816	360845	2WB1 Closed Cooling Water System	INSTALL ENCLOSURE ON 2-WB-PIT-0070	Disapproved	2nd Priority				INSTR
2WB1	816	360852	2WB1 Closed Cooling Water System	LOOSE U-BOLT BETWEEN 2-WB-V-012 AND 2-WB-V-609	Disapproved	1st Priority				PIPING
2WB1	816	360855	2WB1 Closed Cooling Water System	INSTALL ENCLOSURE ON 2-WB-PDIS-1010	Disapproved	2nd Priority				INSTR
2WB1	816	360856	2WB1 Closed Cooling Water System	INSTALL ENCLOSURE ON 2-WB-PDIS-2010	Disapproved	2nd Priority				INSTR
2WB1	816	360864	2WB1 Closed Cooling Water System	MISSING NUT ON ONE CONTROL ROD ON 2-WB-PY-004	Disapproved	1st Priority				SU-MECH
2WB1	816	360875	2WB1 Closed Cooling Water System	TWO (2) LOOSE U-BOLTS ON 2-PH-WB-120	Disapproved	2nd Priority				PIPING
2WB1	816	360882	2WB1 Closed Cooling Water System	MISSING U-BOLT ON PIPE SUPPORT 2-PH-WB-0184	Disapproved	1st Priority				PIPING
2WD1	817	87657	2WD1 Raw Water System	ADDRESS OIL LEAK ON PUMP 002-WD-MP-001A	Disapproved	2nd Priority				SU-MECH
2WD1	817	87658	2WD1 Raw Water System	ADDRESS OIL LEAK ON PUMP 002-WD-MP-001B	Disapproved	2nd Priority				SU-MECH
2WD1	817	87659	2WD1 Raw Water System	VALVE 002-WD-V-013 IS LEAKING	Disapproved	2nd Priority				SU-PIPING
2WD1	817	87673	2WD1 Raw Water System	LOOSE BOLTS ON PIPE SUPPORT 002-PH-WD-0021 CLAMP	Disapproved	2nd Priority				PIPING
2WD1	817	87674	2WD1 Raw Water System	NOT ENOUGH THREAD ENGAGEMENT ON BOLTS FOR VALVE 002-WD-V-028	Disapproved	2nd Priority				PIPING
2WD1	817	87676	2WD1 Raw Water System	TUBE STEEL PIPE SUPPORT NEEDS TO BE ANCHORED TO CONCRETE ON 3/4" LINE UPSTREAM OF 002-WD-V-038	Disapproved	2nd Priority				PIPING
2WD1	817	87753	2WD1 Raw Water System	OPEN WT MCC TRF #2 TO VERIFY CABLE FOR 2-WD-ET-001B	Disapproved	2nd Priority				SU-ELECT
2WR1	732	87702	2WR1 SYSTEM, RAW WATER SYSTEM	BOLTS FOR LADDER CLIPS ON THE FIRE/RAW WATER STORAGE TANK 002-WR-MT-001 DO NOT HAVE ACCEPTABLE THREAD ENGAGEMENT. (MAY NEED TO BE CHANGED OUT FROM INSIDE THE TANK)	Disapproved	2nd Priority				SUBCON
2WR1	732	87717	2WR1 SYSTEM, RAW WATER SYSTEM	LOOSE FLEX HOSE CONNECTION ON 90010CS032 TO 009-WR-HV-2526	Disapproved	2nd Priority				SU-ELECT
2WR1	732	87718	2WR1 SYSTEM, RAW WATER SYSTEM	LOOSE FLEX HOSE CONNECTION TO 009-WR-PIT-0030	Disapproved	2nd Priority				SU-ELECT
2WR1	732	87720	2WR1 SYSTEM, RAW WATER SYSTEM	LOOSE FLEX HOSE CONNECTIONS TO 009-WR-PDIT-1020	Disapproved	2nd Priority				SU-ELECT
2WR1	732	87721	2WR1 SYSTEM, RAW WATER SYSTEM	LOOSE FLEX HOSE CONNECTIONS TO 009-WR-PDIT-2020	Disapproved	2nd Priority				SU-ELECT
2WR1	732	87722	2WR1 SYSTEM, RAW WATER SYSTEM	MISSING CONDUIT COVER ON 90010CX030	Disapproved	2nd Priority				ELECT
2WR1	732	87724	2WR1 SYSTEM, RAW WATER SYSTEM	INSTALL TANK LADDER SWING GATE	Disapproved	2nd Priority				SUBCON
2WR1	732	88129	2WR1 SYSTEM, RAW WATER SYSTEM	VERIFY TOP OF DISCHARGE FROM PRESSURE AIR RELIEF VALVE (009-WR-V-739) IS BELOW FROST LINE	Disapproved	2nd Priority				PE
2WS1	943	254570	2WS1 System, Service Water	MISSING LOCK WASHERS ON 2-WS-MP-001 MOTOR FEET. INDUSTRY STANDARD.	Disapproved	2nd Priority				MECH
2WY1	952	254558	2WY1, Mirror Wash System	MISSING LOCK WASHERS ON 2-WY-MP-001B MOTOR FEET. INDUSTRY STANDARD	Disapproved	2nd Priority				MECH
	1203	367200	Unit 2 Fire Extinguishers	Inspection is for unit 2 Fire Extinguishers. Disapproved. Extinguishers have been inspected for location and type. See attachment for further clarification. In addition, due to an extreme life safety-safety hazard of the fire extinguishers becoming dislodged from the present attachment method of hanging them on a hook, the Fire Marshal is requiring that the fire extinguishers on the tower be remounted and secured either by placing them in a cabinet or by use of brackets. See item #1 in the attached Fire Marshal Inspection Report.	Disapproved	1st Priority	6/4/14 MS			
	1203		Unit 2 Fire Extinguishers	ACC E-HOUSE MOUNTING HEIGHT EXCEEDS 5' CFC 906.9	Disapproved	1st Priority	6/4/14 MS			
	1203		Unit 2 Fire Extinguishers	UPS E-HOUSE MOUNTING HEIGHT EXCEEDS 5' CFC 906.9	Disapproved	1st Priority	6/4/14 MS			
	1203		Unit 2 Fire Extinguishers	BOTTOM OF ELEVATOR MOUNTING HEIGHT EXCEEDS 5' CFC 906.9	Disapproved	1st Priority	6/4/14 MS			
	1211	367201	Unit 2 Fire Water Pump House	Unit 2 Fire Water Pump House Disapproved CBO has not received documentation for aboveground piping tests or run/performance tests on electric or diesel pumps any flow tests or piping pressure tests	Disapproved	1st Priority				
	122	367203	Unit 2 Main Ground Grid	Inspected area grounding for backfill as highlighted on attached drawing and approved for backfill.	Disapproved	1st Priority				

[illegible]

IVANPAH PROJECT PUNCH LISTS - UNIT 3

Disapproved	845	358	1st Priority
Approved	3,702	335	2nd Priority
Closed	1,940	1,904	CBO App. NR
		3,754	Closed

6,361		367864 MAXIMUM PUNCH LIST ITEM NUMBER		4,121 TOTAL PUNCH LIST ITEMS		Approved		6,487		3,754 Closed	
SYSTEM	INSPECTIO N REPORT #	ITEM #	E_ID / AREA TO BE INSPECTED	PUNCH LIST DATE June 5, 2014 DESCRIPTION / COMMENTS	STATUS	PRIORITY	CBO DATE & INITIAL	CBO/INSPECTOR SIGNATURE	NOTES	BECHTEL'S DISCIPLIN E	
3AA1	830	358456	3AA1 System Boiler Unit 3	CONSTRUCTION FLOOR 9 - ELEV. 439': INSTALL COVER ON 3-AA-PIT-7066	Disapproved	1st Priority				INSTR	
3AA1	830	358476	3AA1 System Boiler Unit 3	CONSTRUCTION FLOOR 10 - ELEV. 451.25': TIGHTEN PIPE SUPPORT RHN021 ABOVE 3-AA-PIT4061	Disapproved	2nd Priority				PIPING	
3AA1	830	358484	3AA1 System Boiler Unit 3	CONSTRUCTION FLOOR 11 - ELEV. 460.58': INSTALL COVER ON 3-AA-PDIT-5302	Disapproved	1st Priority				INSTR	
3AA1	830	358490	3AA1 System Boiler Unit 3	CONSTRUCTION FLOOR 11 - ELEV. 460.58': TIGHTEN PIPE SUPPORT NUTS ON SPRING CAN OFF RH025 (SW CORNER BY STAIRS)	Disapproved	2nd Priority				PIPING	
3AA1	830	358497	3AA1 System Boiler Unit 3	CONSTRUCTION FLOOR 13 - ELEV. 491.5': LOOSE U-BOLT ON SHL-024 (DOWNSTREAM OF 3-AA-HV-4693)	Disapproved	2nd Priority				PIPING	
3AA1	830	358528	3AA1 System Boiler Unit 3	CONSTRUCTION FLOOR 13 - ELEV. 491.5': MISSING NUT ON HANGER DOWNSTREAM ON 3-AA-HV-4593	Disapproved	2nd Priority				PIPING	
3AA1	830	358537	3AA1 System Boiler Unit 3	CONSTRUCTION FLOOR 14 - ELEV. 500.83': ADJUST/FIX TUBE TRAY OFF 3-AA-FIT-7002 AND CLAMP DOWN	Disapproved	2nd Priority				SU-INSTR	
3AA1	830	358538	3AA1 System Boiler Unit 3	CONSTRUCTION FLOOR 14 - ELEV. 500.83': ADD PIPE SUPPORT ON 1" LINE WITH 3-AA-HV-5312	Disapproved	2nd Priority				PIPING	
3AA1	830	358554	3AA1 System Boiler Unit 3	CONSTRUCTION FLOOR 14 - ELEV. 500.83': ADD SUPPORT ON 1" LINE WITH 3-AA-HV-5712 AND 3-AA-HV-5812	Disapproved	2nd Priority				PIPING	
3AA1	830	358558	3AA1 System Boiler Unit 3	CONSTRUCTION FLOOR 15 - ELEV. 524.35' (DRUM LEVEL): INSTALL COVER ON 3-AA-FIT-4251	Disapproved	1st Priority				INSTR	
3AA1	830	358559	3AA1 System Boiler Unit 3	CONSTRUCTION FLOOR 15 - ELEV. 524.35' (DRUM LEVEL): INSTALL GROUND ON 3-EC-EC-107 - NOT LOCATED - 3-EC-EA-107 MISSING FULL BOLT CONNECTION AND LOCK WASHERS BOTH SIDES	Disapproved	1st Priority	4/15/14 MS			ELECT	
3AA1	830	358563	3AA1 System Boiler Unit 3	CONSTRUCTION FLOOR 15 - ELEV. 524.35' (DRUM LEVEL): INSTALL COVER ON 3-AA-FIT-4662	Disapproved	1st Priority				INSTR	
3AA1	830	358567	3AA1 System Boiler Unit 3	CONSTRUCTION FLOOR 15 - ELEV. 524.35' (DRUM LEVEL): INSTALL COVER ON 3-AA-PIT-1105A	Disapproved	1st Priority				INSTR	
3AA1	830	358572	3AA1 System Boiler Unit 3	CONSTRUCTION FLOOR 15 - ELEV. 524.35' (DRUM LEVEL): INSTALL COVER ON 3-AA-FIT-4262	Disapproved	1st Priority				INSTR	
3AB1	831	358392	3AB1 Main Stm Piping Unit 3	BOTH (2) 4" INSPECTION PORTS ARE NOT INSTALLED UPSTREAM OF 3-AB-PV-0212	Disapproved	2nd Priority				PIPING	
3AB1	831	358398	3AB1 Main Stm Piping Unit 3	LARGE PIPE SUPPORT DOWNSTREAM ON 3-AA-HV-4471A ALL ALL LOOSE NUTS	Disapproved	1st Priority				PIPING	
3AB1	831	358399	3AB1 Main Stm Piping Unit 3	NO THREAD ENGAGEMENT ON ROD AT TURNBUCKLE ON 3-PH-AB-0091 (HRH)	Disapproved	1st Priority				PIPING	
3AB1	831	358401	3AB1 Main Stm Piping Unit 3	INSTALL ALL COVERS/PANELS ON HYDRAULIC BYPASS UNIT	Disapproved	2nd Priority				PIPING	
3AB2	832	255173	3AB2 CRH Line for Chem Clean	3-AA-LSHH-5110 IS LEAKING	Disapproved	1st Priority				SU-INSTR	
3AB2	832	255174	3AB2 CRH Line for Chem Clean	3-AA-LSH-5110 IS NOT COMPLETELY INSTALLED	Disapproved	1st Priority				SU-INSTR	
3AC1	834	359733	3AC1 System, Gen Turb Direct Attached Piping	3-AC-JC-03CJ10: SEAL FLOOR PENETRATIONS	Disapproved	2nd Priority				ELECT	
3AC1	834	359755	3AC1 System, Gen Turb Direct Attached Piping	MISSING TWO (2) CABLE CLIPS FOR COILS ON 3-AF-LBD10AA010 - NO CHANGE - NO CHANGE	Disapproved	1st Priority	4/30/14 CG 5/15/14 MS			ELECT	
3AC1	834	359780	3AC1 System, Gen Turb Direct Attached Piping	TWO (2) GENERATOR ALIGNMENT BOLTS MISSING. ONE ON THE NORTH WEST CORNER AND ONE ON THE NORTH EAST CORNER.	Disapproved	1st Priority				MECH	
3AC1	834	359781	3AC1 System, Gen Turb Direct Attached Piping	FIX OIL LEAK ON TURNING GEAR	Disapproved	1st Priority				SU-MECH	
3AC1	834	359796	3AC1 System, Gen Turb Direct Attached Piping	HOUSEKEEPING ON TOP OF IP TURBINE	Disapproved	2nd Priority				CIVIL	
3AC1	834	359809	3AC1 System, Gen Turb Direct Attached Piping	LOOSE ANCHOR BOLTS ON TURBINE ENCLOSURE COLUMN M (EAST SIDE)	Disapproved	1st Priority				CIVIL	
3AC1	834	359810	3AC1 System, Gen Turb Direct Attached Piping	LOOSE ANCHOR BOLTS ON TURBINE ENCLOSURE COLUMN L (EAST SIDE)	Disapproved	1st Priority				CIVIL	
3AD1	836	258126	3AD1 ACC Fans (on MEAA P&ID's)	MISSING U-BOLT ON 2ND PIPE SUPPORT GOING UP ON ACC COLUMN OFF THE 3-WS-MP-002	Disapproved	2nd Priority				MECH	
3AD1	836	258130	3AD1 ACC Fans (on MEAA P&ID's)	GEARBOX FILTER IS LEAKING ON 3-AD-MS-105	Disapproved	2nd Priority				SU-MECH	
3AD1	836	258229	3AD1 ACC Fans (on MEAA P&ID's)	INSTALL SAFETY BARRIER/PROTECTION/IDENTIFICATION ON ALL WASH WATER VALVES THAT COME UP ON STREETS 1 AND 2 CENTRAL WALKWAYS. TRIPPING HAZARDS.	Disapproved	1st Priority				CIVIL	
3AD2	837	257195	3AD2 ACC Vacuum Pump Systems	3-AR-LG-0159 IS BENT	Disapproved	1st Priority				SU-MECH	
3AD2	837	257201	3AD2 ACC Vacuum Pump Systems	3-AR-LG-0259 IS BENT	Disapproved	1st Priority				SU-MECH	
3AD3	839	257214	3AD3 System, Remaining ACC System Unit 3	REPAIR GROUT ON EAST SIDE OF 3-AD-MP-002A	Disapproved	1st Priority				CIVIL	
3AD3	839	257215	3AD3 System, Remaining ACC System Unit 3	REPAIR GROUT ON EAST SIDE OF 3-AD-MP-002B	Disapproved	1st Priority				CIVIL	
3AD3	839	257225	3AD3 System, Remaining ACC System Unit 3	COMPLETE INSTALLATION OF 3-AB-PIT-0215	Disapproved	1st Priority				INSTR	

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3AD3	839	257227	3AD3 System, Remaining ACC System Unit 3	COMPLETE INSTALLATION OF 3-AD-LIT-0110B	Disapproved	1st Priority				SU-INSTR
3AD3	839	257228	3AD3 System, Remaining ACC System Unit 3	COMPLETE INSTALLATION OF 3-AD-LIT-0110C	Disapproved	1st Priority				SU-INSTR
3AD3	839	257233	3AD3 System, Remaining ACC System Unit 3	DISSIMILAR METAL THREADED CONNECTION ABOVE 3-AD-V-343. MAKE DISSIMILAR METAL CONNECTION AT A WELD.	Disapproved	1st Priority				SU-MECH
3AD4	842	255882	3AD4 Condensate System, Unit 3	ACC MCC #1 208/120 V PANELBOARD HAS A 15 AMP BREAKER FOR 3-AD-EV-001A. ACC MCC #4 208/120 V PANELBOARD HAS A 20 AMP BREAKER FOR 3-AD-EV-001B. VERIFY WHICH IS CORRECT. ADJUST BREAKER AMPAGE IF NECESSARY.	Disapproved	2nd Priority				PE
3AD4	842	255893	3AD4 Condensate System, Unit 3	COMPLETE INSTALLATION OF PIPING BETWEEN VALVES 3-AB-HV-0222 AND 2-AB-TV-0226	Disapproved	2nd Priority				PIPING
3AD4	842	255894	3AD4 Condensate System, Unit 3	COMPLETE INSTALLATION OF PIPING TO 3-AB-TX-0212	Disapproved	2nd Priority				PIPING
3AD4	842	255921	3AD4 Condensate System, Unit 3	LOOSE UNION ON 3-AD-TE-0064	Disapproved	2nd Priority				INSTR
3AD5	844	257137	3AD5 Internal Drain Tank & Pumps Unit 3	PIPE SUPPORT HANGER ROD BETWEEN 3-AB-V-052 AND 3-AB-HY-0352 IS IN CONTACT WITH PERMANENT LIGHT. RE-LOCATE PIPE SUPPORT OR LIGHT.	Disapproved	1st Priority				PIPING
3AD6	845	255176	3AD6 System, External Drain Tank and Pumps, Unit 3	3-AA-HV-7057 PACKING IS LEAKING	Disapproved	1st Priority				SU-MECH
3AD6	845	255796	3AD6 System, External Drain Tank and Pumps, Unit 3	ADJUST U-BOLT BETWEEN VALVE 3-AA-HV-5694A AND 3-AA-HV-5694B. NOT CENTERED ON PIPE AND U-BOLT IS PARTIALLY INSIDE INSULATION.	Disapproved	2nd Priority				PIPING
3AD6	845	255812	3AD6 System, External Drain Tank and Pumps, Unit 3	GROUT STAND FOR 3-AD-LIT-0312A	Disapproved	1st Priority				CIVIL
3AD6	845	255831	3AD6 System, External Drain Tank and Pumps, Unit 3	AIR REGULATOR ON VALVE 3-SA-HV-0352 IS LOOSE. MISSING BOLT TO CONNECT IT TO THE SUPPORT.	Disapproved	1st Priority				INSTR
3AE1	1143	255991	System 3AE1 Feed Water System	MISSING BOLT ON TOP CONNECTION ON SOUTHEAST DEAERATOR LADDER	Disapproved	1st Priority				CIVIL
3AE1	1143	255992	System 3AE1 Feed Water System	ALL BOLTS ON TOP CONNECTION ON SOUTHEAST DEAERATOR LADDER ARE TOO SHORT	Disapproved	1st Priority				CIVIL
3AE1	1143	256005	System 3AE1 Feed Water System	BOLT AND TORQUE DA MANWAY	Disapproved	1st Priority				SU-MECH
3AE2	849	360361	3AE2 System, Strainers, SBFP, and Heaters Unit 3	DAMAGED FLEX TO JUNCTION BOX 3-AE-MP-002-EJB4 OFF TE-2150 AND TE-2130	Disapproved	1st Priority				SU-ELECT
3AE2	849	360367	3AE2 System, Strainers, SBFP, and Heaters Unit 3	FLEX BROKEN BETWEEN VIBRATION PROBES 21-06Y AND 21-06X - NO CHANGE	Disapproved	1st Priority	4/16/14 MS			SU-ELECT
3AE2	849	360458	3AE2 System, Strainers, SBFP, and Heaters Unit 3	PIPE LINE CONTAINING 3-AA-V-5176B IS NOT SUPPORTED SUFFICIENTLY. ADD ADDITIONAL SUPPORT.	Disapproved	1st Priority				PIPING
3AF1	853	257065	3AF1 System, Extraction Steam Piping, Unit 3	SHIM PIPE SUPPORT 3-PH-AB-0105	Disapproved	1st Priority				PIPING
3AF1	853	257083	3AF1 System, Extraction Steam Piping, Unit 3	3-AF-FV-5005 IS LEAKING AIR	Disapproved	1st Priority				SU-INSTR
3AF1	853	257087	3AF1 System, Extraction Steam Piping, Unit 3	SHIM PIPE SUPPORT BETWEEN FWH #5 AND 3-AF-V-152	Disapproved	1st Priority				PIPING
3AK1	859	90864	3AK1 Condensate Polisher System Unit 3	REPAIR LEAK IN UNION UPSTREAM OF 3-AK-HV-2062	Disapproved	1st Priority				SU-MECH
3AK1	859	90875	3AK1 Condensate Polisher System Unit 3	MISSING BOLTS IN 3" FLANGE ON TOP OF POLISHER B	Disapproved	1st Priority				MECH
3AN1	861	255327	3AN1 Unit Emergency Generator System, Unit 3	BOTH (2) SOUTH DOORS ON EMERGENCY GENERATOR BUILDING HAVE HOLDING LATCHES THAT ARE INACCESSIBLE DUE TO HANDRAIL.	Disapproved	1st Priority				CIVIL
3AN1	861	255331	3AN1 Unit Emergency Generator System, Unit 3	INSTALL GASKET BEHIND EACH LOUVER MOUNTING FLANGE ON NORTH SIDE OF BUILDING	Disapproved	1st Priority				CIVIL
3AN1	861	255332	3AN1 Unit Emergency Generator System, Unit 3	INSTALL CAPTIVE NUTS IN LIEU OF SEALANT ON LOUVER FLANGE ON NORTH SIDE OF BUILDING (AT LEAST 5).	Disapproved	1st Priority				CIVIL
3AR01	1015	362264	Unit 3 WT Area 3AR01	INSTALL "CONFINED SPACE" TO ACCESS HATCH, LOCATED SE SIDE OF THE FIRE/RAW STORAGE TANK.	Disapproved	1st Priority	2/24/14 TV			MECH
3AR01	1015	362270	Unit 3 WT Area 3AR01	FINISH THE CATHODIC PROTECTION LOCATED BETWEEN S SIDE OF THE FIRE/RAW STORAGE TANK AND N OF THE DEMIN WATER STORAGE TANK. - ALL CONNECTION ARE COMPLETED, SUBMIT TEST DATA FOR FINAL APPROVAL - NO TEST DATA HAS BEEN SUPPLIED TO CBO "NOT DONE"	Disapproved	2nd Priority	3/30/14 RLS 4/16/14 RLS			ELECT
3AR01	1015	362284	Unit 3 WT Area 3AR01	ALL DOWN SPOUTS NEED TO BE EXTENDED TO SPLASH PLATES IN THE GENERAL AREA. NOT DONE	Disapproved	2nd Priority	3/30/14 RLS			PE
3AR01	1015	362293	Unit 3 WT Area 3AR01	FILL EYE WASH INSIDE EEM BLDG. (SWAS AREA)	Disapproved	1st Priority				CIVIL
3AR02	1265	367770	3AR02 System, Cable tray scope	CABLE EDGE PROTECTION NEEDED @ 37210THW05 WHERE THE BUNDLE COMES OUT OF THE HORIZONTAL CABLE TRAY TO VERTICAL CABLE TRAY THE BUNDLE IS RESTING AGAINST DIVIDER	Disapproved	2nd Priority	2/28/14 RLS		Bechtel - 3/19/14; To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 3 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
3AR02	1016	363713	Unit 3 ACC Area 3AR02 and 3AR03	STEPS ON STAIRS NOT TO EXCEED 7". LOCATION: SOUTH EAST CORNER OF EEM BLDG. LANDINGS, STAIRS, RAILINGS, STEPS, RISERS, GUARDRAILS TO COMPLY WITH CBC CHAPTER 10 AND CALOSHA THE MOST RESTRICTIVE SHALL APPLY IN ALL AREAS AND INSTALLATIONS IN UNIT 3 POWERBLOCK	Disapproved	1st Priority	5/29/14 SH			

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3AR02	1016	363752	Unit 3 ACC Area 3AR02 and 3AR03	PROVIDE ENGINEERING OR MANUFACTURING SPEC'S APPROVING THE DOUBLE UNI-STRUT SUPPORT SPANNING 18', LOCATED WEST OF THE ACC AREA. - NO INFORMATION PROVIDED FROM BECHTEL TO CONDUCT INSPECTION NOT DONE - NO CHANGE	Disapproved	1st Priority	4/16/14 RLS 4/30/14 CG 5/6/14 CG			
3AR02	1016	363753	Unit 3 ACC Area 3AR02 and 3AR03	REMOVE ALL TEMPORARY POWER/TRANSFORMERS OR PROVIDE APPROVAL OF INSTALLATION IN ACC AREA. - NOT ON BECHTEL SUPPLIED PUNCH LIST " NOT DONE"	Disapproved	1st Priority	4/16/14 RLS			
3AR03	1266	367771	3AR03 System, Cable tray scope	VERTICAL UNISTRUT CABLE TRAY SUPPORT IS ATTACHED TO STRUCTURE WITH WINDOW CLAMPS @ 37210THR03 TO ACC DECK, HAS NO BECHTEL ENGINEERING AND OR NEMA VE-2-2000 STANDARDS FOR AS IS CONDITION - NOT ON BECHTEL SUPPLIED PUNCH LIST NOT INSPECTED - NO CHANGE	Disapproved	1st priority	2/28/14 RLS 4/16/14 RLS 5/6/14 CG		Bechtel - 3/19/14; To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 3 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
3AR03	1266	367772	3AR03 System, Cable tray scope	HORIZONTAL UNISTRUT CABLE TRAY SUPPORT IS ATTACHED TO STRUCTURE WITH WINDOW CLAMPS @ 37210THR07 TO ACC DECK, HAS NO BECHTEL ENGINEERING AND OR NEMA VE-2-2000 STANDARDS FOR AS IS CONDITION - NOT ON BECHTEL SUPPLIED PUNCH LIST NOT INSPECTED - NO CHANGE	Disapproved	1st priority	2/28/14 RLS 4/16/14 RLS 5/6/14 CG		Bechtel - 3/19/14; To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 3 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
3AR03	1266	367776	3AR03 System, Cable tray scope	DOUBLE BOX FRAME UNISTRUT SUPPORT @ 37210THS03, HAS NO BECHTEL ENGINEERING AND OR NEMA VE-2-2000 STANDARDS FOR AS IS CONDITION - NOT ON BECHTEL SUPPLIED PUNCH LIST NOT INSPECTED	Disapproved	1st priority	2/28/14 RLS 4/16/14 RLS		Bechtel - 3/19/14; To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 3 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
3AR03	1266	367782	3AR03 System, Cable tray scope	DOUBLE UNISTRUT BOX FRAME SUPPORT FOR 3 TIERS OF CABLE TRAYS 37210 THR/THP & TME03, HAS NO BECHTEL ENGINEERING AND OR NEMA VE-2-2000 STANDARDS FOR AS IS CONDITION - NOT ON BECHTEL SUPPLIED PUNCH LIST NOT INSPECTED - NO CHANGE	Disapproved	1st Priority	2/28/14 RLS 4/16/14 RLS 5/6/14 CG		Bechtel - 3/19/14; To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 3 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
3AR03	1016	359910	Unit 3 ACC Area 3AR02 and 3AR03	INCORRECT LABEL ON STREET PUMP #1, LOCATED FURTHER WEST.	Disapproved	2nd Priority				MECH
3AR03	1016	359915	Unit 3 ACC Area 3AR02 and 3AR03	THE MINI STAIRS WHEN YOU ENTER THE CONDENSER AREA, FROM THE LADDER, ARE LOOSE AND NEED TO BE FASTENED DOWN TO THE STRUCTURE.	Disapproved	2nd Priority				CIVIL
3AR04	1267	367790	3AR04 System, Cable tray scope	CANTILEVERED UNISTRUT BOX FRAME SUPPORT @ 31010THA41 THRU 43 ALSO TSA41/43 HAS NO BECHTEL ENGINEERING AND OR NEMA VE-2-2000 STANDARDS TO SUPPORT AS IS CONDITION - NOT SUPPLIED ON BECHTEL SUPPLIED PUNCH LIST NOT INSPECTED	Disapproved	1st priority	2/28/14 RLS 4/16/14 RLS		Bechtel - 3/19/14; To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 3 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
3AR04	1017	360046	Unit 3 Aux Boiler Area - 3AR04	MISSING CAP ON THE VENT PIGGING RETRIEVAL	Disapproved	2nd Priority				PIPING
3AR04	1017	360049	Unit 3 Aux Boiler Area - 3AR04	REMOVE UNISTRUT AT CONDUIT RISER 31911CM021.	Disapproved	2nd Priority				PIPING
3AR04	1017	360053	Unit 3 Aux Boiler Area - 3AR04	MISSING PUMP AT AUX BOILER FEED PUMP SKID AREA. NOT DONE	Disapproved	1st Priority	3/30/14 RLS			MECH
3AR04	1017	360058	Unit 3 Aux Boiler Area - 3AR04	BOX JB-KL NOT CONNECTED. IN AUX BOILER FEED AREA.	Disapproved	2nd Priority				PIPING
3AR04	1017	360059	Unit 3 Aux Boiler Area - 3AR04	VENT TRAYS NOT SECURE AND NOT PIPED TO A DRAIN. IN AUX BOILER FEED AREA.	Disapproved	2nd Priority				MECH
3AR04	1017	360064	Unit 3 Aux Boiler Area - 3AR04	MISSING PROTECTIVE COVER ON LEVER SWITCH. IN AUX BOILER FEED AREA.	Disapproved	2nd Priority				PIPING
3AR04	1017	360067	Unit 3 Aux Boiler Area - 3AR04	ADD COVERS TO DRAIN ON THE FOUNDATION LEVEL OF THE PRESERVATION BOILER AREA.	Disapproved	2nd Priority				PIPING
3AR04	1017	360068	Unit 3 Aux Boiler Area - 3AR04	INCOMPLETE TUBING AT HEAT TRAY. EAST SIDE.	Disapproved	2nd Priority				MECH
3AR04	1017	360069	Unit 3 Aux Boiler Area - 3AR04	MISSING FLAT WASHERS ON MOTOR 3-SB-EP-004. (PUMPS A&B).	Disapproved	2nd Priority				PIPING
3AR04	1017	360070	Unit 3 Aux Boiler Area - 3AR04	WARNING LABEL ON PANEL 3-XW-EP-004 PEELING OFF.	Disapproved	2nd Priority				PIPING
3AR04	1017	360072	Unit 3 Aux Boiler Area - 3AR04	AT CONCRETE BASE, MISSING VALVE ON DRAIN NEAR 3-AA-ET-00B.	Disapproved	2nd Priority				MECH
3AR04	1017	360073	Unit 3 Aux Boiler Area - 3AR04	MISSING FLAT WASHERS ON TRANSFORMER CROWNING, SOUTH END.	Disapproved	1st Priority				MECH
3AR04	1017	360075	Unit 3 Aux Boiler Area - 3AR04	NEED TO INSTALL (2) EYE WASH STATIONS AND INSPECTION TAGS UPDATED. IN SSGS UPS EEM ROOM.	Disapproved	1st Priority				PIPING
3AR04	1017	360079	Unit 3 Aux Boiler Area - 3AR04	INSTRUMENTATION LINES NEED TO BE REMOVED OFF OF HANDRAILS AND RELOCATED TO MIDRAILS. IN FD PLATFORM AREA.	Disapproved	1st Priority				PIPING
3AR04	1017	360081	Unit 3 Aux Boiler Area - 3AR04	NEED A "CONFINE SPACE" SIGN ON METAL HATCH. EAST OF FD PLATFORM.	Disapproved	1st Priority				MECH
3AR04	1017	360101	Unit 3 Aux Boiler Area - 3AR04	NUTS REQUIRED ON U-BOLTS. FUEL GAS AREA.	Disapproved	2nd Priority				SUBCON
3AR04	1017	360138	Unit 3 Aux Boiler Area - 3AR04	SWING GATE REQUIRED ON FUEL GAS PLATFORM.	Disapproved	2nd Priority				CIVIL
3AR04	1017	360140	Unit 3 Aux Boiler Area - 3AR04	SECURE THE GRATING, SET SCREWS ON DECK PLATE, AND ENSURE ACCESS STEPS ARE BUILT ON THE SOUTH AND NORTH ,SKID PIT. (QTY 5).	Disapproved	2nd Priority				CIVIL

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3AR04	1017	360142	Unit 3 Aux Boiler Area - 3AR04	ADJUST TOE PLATES ON AUXILIARY BOILER PLATFORM.	Disapproved	2nd Priority				CIVIL
3AR04	1017	360143	Unit 3 Aux Boiler Area - 3AR04	ALL WOODEN STEPS NEED TO BE CONCRETE.	Disapproved	2nd Priority				CIVIL
3AR04	1017	360145	Unit 3 Aux Boiler Area - 3AR04	GROUT ALL PIPE SUPPORTS.	Disapproved	2nd Priority				CIVIL
3AR04	1017	360146	Unit 3 Aux Boiler Area - 3AR04	BRING GRAVEL UP TO GRADE AND PACK.	Disapproved	2nd Priority				CIVIL
3AR04	1017	360230	Unit 3 Aux Boiler Area - 3AR04	NEED GROUNDING TO BEGIN THE HEAT RECOVERY PROCESS. IN AUX BOILER FEED AREA.	Disapproved	2nd Priority				ELECT
3AR04	1017	364175	Unit 3 Aux Boiler Area - 3AR04	AUX BOILER EXHAUST LADDER MOUNTING EQUIPMENT LOOSE @ TOP LEFT BRACKET UPPER PLATFORM	Disapproved	2nd priority				MECH
3AR04	1017	364176	Unit 3 Aux Boiler Area - 3AR04	TEST/ANALYZER FLANGES @ UPPER PLATFORM MISSING ATTACHMENT HARDWARE	Disapproved	2nd priority				MECH
3AR04	1017	364177	Unit 3 Aux Boiler Area - 3AR04	AUX BOILER SOUTH MOUNTING PLATE BOLTS FINGER TIGHT @STEEL BASE	Disapproved	2nd priority				MECH
3AR06	1019	60449	Unit 3 PSB Area - 3AR06	PROVIDE POTABLE WATER TO PLANT SERVICES BUILDING	Disapproved	1st Priority				SU-PIPING
3AR06	1019	61642	Unit 3 PSB Area - 3AR06	TIGHTEN SEISMIC STRAPS ON HOT WATER HEATER ONCE POTABLE WATER IS AVAILABLE AND TANK IS FULL OF WATER	Disapproved	1st Priority				PIPING
3AR06	1019	360090	Unit 3 PSB Area - 3AR06	KINK ON THE CONDENSATE LINE OF THE CONDENSATE DRAIN CONNECTION. NOT DONE - NOT SUPPLIED ON BECHTEL PUNCH LIST NOT DONE	Disapproved	2nd Priority	3/30/14 RLS 4/15/14 RLS			PIPING
3AR06	1019	360106	Unit 3 PSB Area - 3AR06	UPDATE INSPECTION TAGS ON EYE WASH STATION. NOT DONE	Disapproved	2nd Priority	3/30/14 RLS			SUBCON
3AR06	1019	360107	Unit 3 PSB Area - 3AR06	POTABLE WATER SYSTEM NOT IN SERVICE.	Disapproved	2nd Priority				SUBCON
3AR06	1019	360153	Unit 3 PSB Area - 3AR06	NEED MAX 7" STEP AT EXTERIOR STOOPS. NOT DONE. LANDINGS, STAIRS, RAILINGS, STEPS, RISERS, GUARDRAILS TO COMPLY WITH CBC CHAPTER 10 AND CALOSHA THE MOST RESTRICTIVE SHALL APPLY IN ALL AREAS AND INSTALLATIONS IN UNIT 3 POWERBLOCK	Disapproved	1st Priority	3/30/14 RLS 5/29/14 SH			CIVIL
3AR06	1019	360154	Unit 3 PSB Area - 3AR06	LANDINGS NEED TO BE LEVEL AS DOORS IN COMMON AREA STANDBY GENERATOR AREAS. LANDINGS ARE NOT WITH 1" OF THE DOOR THRESHOLD - NOT DONE. LANDINGS, STAIRS, RAILINGS, STEPS, RISERS, GUARDRAILS TO COMPLY WITH CBC CHAPTER 10 AND CALOSHA THE MOST RESTRICTIVE SHALL APPLY IN ALL AREAS AND INSTALLATIONS IN UNIT 3 POWERBLOCK	Disapproved	1st Priority	3/30/14 RLS 4/15/14 RLS 5/29/14 SH			CIVIL
3AR07	1020	360161	Unit 3 Switchyard Area 3AR07	NEED LEVEL LANDING AND PROPER STEPS. FIRE WATER PUMP HOUSE.	Disapproved	1st Priority	2/24/14 TV			CIVIL
3AR07	1020	360162	Unit 3 Switchyard Area 3AR07	NEED TO LEVEL LANDING OUTSIDE SWING DOORS. SST OF FIRE WATER PUMP HOUSE. LANDINGS SHALL HAVE A LENGTH MEASURED IN THE DIRECTION OF TRAVEL OF NOT LESS THAN 44 INCHES. LANDINGS, STAIRS, RAILINGS, STEPS, RISERS, GUARDRAILS TO COMPLY WITH CBC CHAPTER 10 AND CALOSHA THE MOST RESTRICTIVE SHALL APPLY IN ALL AREAS AND INSTALLATIONS IN UNIT 3 POWERBLOCK	Disapproved	1st Priority	2/24/14 TV 5/29/14 SH			CIVIL
3AR07	1020	360278	Unit 3 Switchyard Area 3AR07	NEED PERMANENT SIGNS IN AREA OF FIRE WATER PUMP HOUSE. - WHAT SIGNAGE IS REQUIRED?	Disapproved	2nd Priority	4/15/14 RLS			ELECT
3AR08	1269		3AR08 system, Cable tray scope	CONDUCTORS COMING OUT OF CONDUITS WEST OF 39010TMB01 MUST BE SUPPORTED TO PREVENT CONTACT WITH CONCRETE - NOT ON BECHTEL SUPPLIED PUNCH LIST NOT INSPECTED	Disapproved	1st priority	2/28/14 RLS 4/15/14 RLS		Bechtel - 3/19/14; As agreed between Andy and Tim/Dave, Final punch-list issued on 3/4/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.	
3AR08	1021		Unit 3 EDT/IDT Area 3AR08	NO STEP/STEP'S 7" MAX HAVE BEEN INSTALLED FOR PLATFORM @ PANEL 3-AJ-EP-002 - NOT DONE	Disapproved	1st priority	3/30/14 RLS		Bechtel - 3/19/14; As agreed between Andy and Tim/Dave, Final punch-list issued on 3/4/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.	
3AR08	1021	360096	Unit 3 EDT/IDT Area 3AR08	NITROGEN TANKS IN AREA NEED EARTHQUAKE STRAPS. NOT DONE	Disapproved	2nd Priority	3/30/14 RLS			MECH
3AR08	1021	360169	Unit 3 EDT/IDT Area 3AR08	ENSURE STRUCTURE BOLTING TO FOUNDATION IS RETORQUED AND VERIFIED. - NO INFORMATION SUPPLIED TO CBO TO VERIFY COMPLETION OF THIS ITEM	Disapproved	2nd Priority	4/15/14 RLS			CIVIL
3AR08	1021	360171	Unit 3 EDT/IDT Area 3AR08	NEED CONTAINING PAD FOR SHOWER RUN OFF/ CLAIM AREA OF DEBRIS. (CHEMICAL INJECTION AREA) - NOT DONE	Disapproved	2nd Priority	3/30/14 RLS			CIVIL
3AR08	1021	363675	Unit 3 EDT/IDT Area 3AR08	INSTALL STEEL SUPPORT LOCATED WEST OF EDT/IDT PIT.	Disapproved	1st Priority				
3AR08	1021	363676	Unit 3 EDT/IDT Area 3AR08	EXTEND THE TOP RAIL TO ATTACH TO LADDER, LOCATED WEST OF EDT/IDT PIT. NOT DONE	Disapproved	1st Priority	3/30/14 RLS			
3AR08	1021	363686	Unit 3 EDT/IDT Area 3AR08	TERMINATE EXCESS WIRING. FOR REFERENCE LOCATION, SEE 003-AD-PV-070 - UNABLE TO LOCATE	Disapproved	2nd Priority	4/15/14 RLS			
3AR08	1021	363690	Unit 3 EDT/IDT Area 3AR08	COMPLETE TOE GUARD ON LADDER PLATFORM LOCATED EAST OF THE EDT/IDT PIT.	Disapproved	2nd Priority				
3AR08	1021	363697	Unit 3 EDT/IDT Area 3AR08	NEED CAUTION TAPE OR CAUTION SIGN FOR LOW HANGING STRUT. FOR LOCATION REFERENCE, SEE 3910TMB825. WEST OF THE EDT/IDT PIT.	Disapproved	1st Priority				

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3AR08	1021	363702	Unit 3 EDT/IDT Area 3AR08	TIGHTEN U-BOLTS SUPPORTING NITROGEN GAS LINES. LOCATION: SOUTH SIDE OF SUN SHADE STRUCTURE. - NOT DONE	Disapproved	1st Priority	3/30/14 RLS			
3AR08	1021	363703	Unit 3 EDT/IDT Area 3AR08	7" STEP REQUIRED AT PANEL 3-AJ-EP-002. LOCATION: SOUTH SIDE OF SUN SHADE STRUCTURE. - DUPLICATE OF # 360098 NOT DONE	Disapproved	1st Priority	3/30/14 RLS			
3AR09	1270	367793	3AR09 System, Cable tray scope	DOUBLE UNISTRUT SPANS 13' WITH SINGLE WINDOW CLAMPS AT EACH END CONNECTED TO THE ROOF RAFTER STRUCTURAL STEEL SUPPORTING 2 TIERS OF CABLE TRAY FOR 31110THB/TMB 09 THRU 05 PROVIDE ENGINEERING FOR AS IS CONDITION	Disapproved	1st priority	2/28/14 RLS		Bechtel - 3/19/14: To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 3 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
3AR09	1270	367794	3AR09 System, Cable tray scope	DOUBLE UNISTRUT SPANS 13' WITH SINGLE WINDOW CLAMPS AT EACH END CONNECTED TO THE ROOF RAFTER STRUCTURAL STEEL SUPPORTING 2 TIERS OF CABLE TRAY FOR 31110THA01 THRU 19 (EASTWALL) PROVIDE ENGINEERING FOR AS IS CONDITION	Disapproved	1st priority	2/28/14 RLS		Bechtel - 3/19/14: To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 3 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
3AR09	1022	364178	Unit 3 STG Area 3AR09	1ST PLINTH NORTH OF IP TURBINE ENCLOSURE MISSING BACKUP NUTS ON MOUNTING STUDS	Disapproved	2nd priority				MECH
3AR09	1022	364179	Unit 3 STG Area 3AR09	STG ENCLOSURE INTERIOR VERTICAL STEEL SUPPORT BASE MOUNTING EQUIPMENT LOOSE MULTIPLE LOCATIONS-FINGER TIGHT.	Disapproved	2nd priority				CIVIL
3AR10	1271	367799	3AR10 System, Cable tray scope	THIS ELEVATION HAS A CANTILEVERED UNISTRUT TO ALL THREAD SUPPORT FOR CABLE TRAYS THIS SUPPORT SYSTEM HAS NO BECHTEL ENGINEERING AND OR NEMA VE-2-2000 STANDARDS FOR AS IS CONDITION, ELEVATION 130 - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION DONE - NO CHANGE	Disapproved	1st priority	2/28/14 RLS 4/15/14 RLS 5/6/14 CG		Bechtel - 3/19/14: To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 3 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
3AR10	1271	367801	3AR10 System, Cable tray scope	UNISTRUT CABLE TRAY SUPPORT @ 32230TMA29 THRU 35 HAS NO BECHTEL ENGINEERING AND OR NEMA VE-2-2000 STANDARDS FOR AS IS CONDITION, ELEVATION 130 - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION DONE - NO CHANGE	Disapproved	1st priority	2/28/14 RLS 4/15/14 RLS 5/6/14 CG		Bechtel - 3/19/14: To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 3 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
3AR10	1023		Unit 3 Heater Bay Area 3AR10	CONDUITS ARE SUPPORTED BY AN INSULATION SHIELDING RETENSION STRAP NOT THE UNISTRUT SUPPORT @ CONDUIT 32211CS012 - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION	Disapproved	1st priority	2/28/14 RLS 4/15/14 RLS		Bechtel - 3/19/14: As agreed between Andy and Tim/Dave, Final punch-list issued on 3/4/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.	
3AR10	1023	364014	Unit 3 Heater Bay Area 3AR10	ALL TOE PLATE IN THE AREA NEEDS TO HAVE A GAP OF LESS THAN 1" ELEVATION 139'-2"	Disapproved	1st Priority				CIVIL
3AR10	1023	364016	Unit 3 Heater Bay Area 3AR10	THERE IS A 12" X 12" HOLE IN THE GRATING THAT NEEDS TO BE REPAIRED ELEVATION 139'-2"	Disapproved	1st Priority				CIVIL
3AR10	1023	364020	Unit 3 Heater Bay Area 3AR10	ALL TOE PLATE IN THE AREA NEEDS TO HAVE A GAP OF LESS THAN 1" ELEVATION 125'-10 1/2"	Disapproved	1st Priority				CIVIL
3AR10	1023	364021	Unit 3 Heater Bay Area 3AR10	ENSURE TOE PLATE IS INSTALLED AROUND ALL GRATING PENETRATIONS ELEVATION 125'-10 1/2"	Disapproved	1st Priority				CIVIL
3AR10	1023	364024	Unit 3 Heater Bay Area 3AR10	HIGH HANDRAIL REQUIRED EAST OF COLUMN L-12 AT THE SIDE OF THE ELEVATED PLATFORM ELEVATION 125'-10 1/2"	Disapproved	1st Priority				CIVIL
3AR10	1023	364027	Unit 3 Heater Bay Area 3AR10	REPAIR AND CAP ALL OPEN ENDED HANDRAILS ELEVATION 111'	Disapproved	2nd Priority				CIVIL
3AR10	1023	364028	Unit 3 Heater Bay Area 3AR10	ALL TOE PLATE IN AREA NEEDS TO HAVE A GAP LESS THAN 1" ELEVATION 111'	Disapproved	1st Priority				CIVIL
3AR10	1023	364031	Unit 3 Heater Bay Area 3AR10	MISSING LIGHT COVER FOR LIGHT LOCATED LINE 5 AND 10 ELEVATION 111'. - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION	Disapproved	1st Priority	4/15/14 RLS			PIPING
3AR10	1023	364041	Unit 3 Heater Bay Area 3AR10	NEED FULL THREAD ENGAGEMENT FOR ANCHOR BOLTS LOCATED AT COLUMN LINE 5 AND 12	Disapproved	2nd Priority				CIVIL
3AR10	1023	364045	Unit 3 Heater Bay Area 3AR10	NEED BELL DRAIN FOR ALL LOCATIONS TO ASSIST TO CAPTURE WATER TO THE DRAIN ELEVATION 100'	Disapproved	2nd Priority				PIPING
3AR10	1023	364046	Unit 3 Heater Bay Area 3AR10	PROPERLY SUPPORT DRAIN LINE LOCATED 3' WEST OF L.2 AND 1' NORTH OF L ELEVATION 100'	Disapproved	2nd Priority				PIPING
3AR10	1023	364053	Unit 3 Heater Bay Area 3AR10	NEED STEPS LEADING UP TO SWAS BUILDING ELEVATION 100' - NOT DONE. LANDINGS, STAIRS, RAILINGS, STEPS, RISERS, GUARDRAILS TO COMPLY WITH CBC CHAPTER 10 AND CALOSHA THE MOST RESTRICTIVE SHALL APPLY IN ALL AREAS AND INSTALLATIONS IN UNIT 3 POWERBLOCK	Disapproved	1st Priority	4/15/14 RLS 5/29/14 SH			PE

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3AR11	1272	367832	3AR11 System, Cable tray scope	MISSING CABLE TRAY SUPPORT @ 31020TMA05, ELEVATION 120 - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION - NO CHANGE	Disapproved	1st priority	2/28/14 RLS 4/15/14 RLS 5/7/14 CG		Bechtel - 3/19/14: To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 3 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
3AR11	1272	367838	3AR11 System, Cable tray scope	CABLE TRAY SUPPORT @ 31010THA/TSA21 HAS NO SUPPORTING BECHTEL ENGINEERING OR NEMA VE-2-2000 STANDARDS FOR AS IS CONDITION - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION - NO CHANGE	Disapproved	1st priority	2/28/14 RLS 4/15/14 RLS 5/7/14 CG		Bechtel - 3/19/14: To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 3 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
3AR11	1272		3AR11 System, Cable tray scope	VERTICAL CABLE TRAY FOR TEMPORARY POWER THE CABLES ARE NOT SECURED PER CODE - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION	Disapproved	1st priority	2/28/14 RLS 4/15/14 RLS		Bechtel - 3/19/14: <i>This item is a NRG PL item for temporary power. It is the responsibility of NRG to close out with CBO and will not be added to the Bechtel PL data base.</i>	
3AR11	1272		3AR11 System, Cable tray scope	VERTICAL CABLE TRAY @ TEMPORARY POWER NO CABLE PROTECTION FOR 6' ABOVE WALKING SURFACE - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION	Disapproved	1st priority	2/28/14 RLS 4/15/14 RLS		Bechtel - 3/19/14: <i>This item is a NRG PL item for temporary power. It is the responsibility of NRG to close out with CBO and will not be added to the Bechtel PL data base.</i>	
3AR11	1272	367842	3AR11 System, Cable tray scope	CABLE TRAY SUPPORT @ CONDUIT 31011CX005 (NO SET ROUTE #'S PER DETAIL 8.1 PAGE 16 OF BECHTEL ENGINEERING TO ID CABLE TRAY) HAS NO BECHTEL ENGINEERING OR NEMA VE-2-2000 STANDARDS TO SUPPORT AS IS CONDITIONS - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION - NO CHANGE	Disapproved	1st priority	2/28/14 RLS 4/15/14 RLS 5/7/14 CG		Bechtel - 3/19/14: To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 3 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
3AR11	1272	367843	3AR11 System, Cable tray scope	CABLE TRAY SUPPORT @ 31010TMC03 HAS NO BECHTEL ENGINEERING OR NEMA VE-2-2000 STANDARDS TO SUPPORT AS IS CONDITIONS - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION - NO CHANGE	Disapproved	1st priority	2/28/14 RLS 4/15/14 RLS 5/7/14 CG		Bechtel - 3/19/14: To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 3 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
3AR11	1272	367844	3AR11 System, Cable tray scope	UNISTRUT CABLE TRAY SUPPORT @ 31010TMC05 HAS NO BECHTEL ENGINEERING OR NEMA VE-2-2000 STANDARDS TO SUPPORT AS IS CONDITIONS - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION - NO CHANGE	Disapproved	1st priority	2/28/14 RLS 4/15/14 RLS 5/7/14 CG		Bechtel - 3/19/14: To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 3 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
3AR11	1272	367846	3AR11 System, Cable tray scope	UNISTRUT SUPPORTING ALLTHREAD FOR CABLE TRAY @ 31010TMC09 HAS NO SUPPORTING ENGINEERING FOR AS IS CONDITION - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION - NO CHANGE	Disapproved	1st priority	2/28/14 RLS 4/15/14 RLS 5/7/14 CG		Bechtel - 3/19/14: To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 3 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
3AR11	1272	367847	3AR11 System, Cable tray scope	ALLTHREAD CABLE TRAY SUPPORT @ WATERFALL PASSING UNDER PLATFORM (SOUTH OF 31010TMB/TSB15) HAS NO SUPPORTING BECHTEL ENGINEERING AND OR NEMA VE-2-2000 STANDARDS FOR AS IS CONDITION - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION - NO CHANGE	Disapproved	1st priority	2/28/14 RLS 4/15/14 RLS 5/7/14 CG		Bechtel - 3/19/14: To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 3 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
3AR11	1272	367848	3AR11 System, Cable tray scope	ALLTHREAD CABLE TRAY SUPPORT @ 31010TMB/TSB15 HAS NO SUPPORTING BECHTEL ENGINEERING AND OR NEMA VE-2-2000 STANDARDS FOR AS IS CONDITION - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION - NO CHANGE	Disapproved	1st priority	2/28/14 RLS 4/15/14 RLS 5/7/14 CG		Bechtel - 3/19/14: To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 3 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	
3AR11	1272	367849	3AR11 System, Cable tray scope	CABLE TRAY SUPPORT @ 31010TMB/TSB17 HAS NO SUPPORTING BECHTEL ENGINEERING AND OR NEMA VE-2-2000 STANDARDS FOR AS IS CONDITION - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION - NO CHANGE	Disapproved	1st priority	2/28/14 RLS 4/15/14 RLS 5/7/14 CG		Bechtel - 3/19/14: To be added to Bechtel PL as agreement Between Andy and Tim/Dave that CBO did not complete Unit 3 cable tray walks prior to submitting final CBO punchlist on 3/4/14.	

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3AR11	1272		3AR11 System, Cable tray scope	VERTICAL CABLE TRAY FOR TEMPORARY POWER THE CABLES ARE NOT SECURED PER CODE - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION	Disapproved	1st priority	2/28/14 RLS 4/15/14 RLS		Bechtel - 3/19/14; <i>This item is a NRG PL item for temporary power. It is the responsibility of NRG to close out with CBO and will not be added to the Bechtel PL data base.</i>	
3AR11	1272		3AR11 System, Cable tray scope	VERTICAL CABLE TRAY @ TEMPORARY POWER NO CABLE PROTECTION FOR 6' ABOVE WALKING SURFACE - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION	Disapproved	1st priority	2/28/14 RLS 4/15/14 RLS		Bechtel - 3/19/14; <i>This item is a NRG PL item for temporary power. It is the responsibility of NRG to close out with CBO and will not be added to the Bechtel PL data base.</i>	
3AR11	1272	367232	3AR11 System, Cable tray scope	MISSING CABLE PROTECTION TO 6 FT ABOVE GRADE ON 4TH VERTICAL TRAY - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION - TEMP PWR TRAY - NO CHANGE	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS 5/7/14 CG			
3AR11	1151	364070	3AR11 - Tier 1	PROVIDE LEVEL LANDING JUST SOUTH OF THE ELEVATOR ENTRANCE ON ELEVATION 120'-0"	Disapproved	1st Priority				PE
3AR11	1151	364071	3AR11 - Tier 1	CAP ALL OPEN ENDED HANDRAILS ELEVATION 120'-0"	Disapproved	2nd Priority				CIVIL
3AR11	1151	364076	3AR11 - Tier 1	PROVIDE BOLTS AT BOTTOM OF LADDER LEADING TO PLATFORM OF FEED WATER STRAINERS NEAR T-18 ELEVATION 120'-0"	Disapproved	2nd Priority				CIVIL
3AR11	1151	364077	3AR11 - Tier 1	NEED PIPING SUPPORT LOCATED NEAR P-20 AND T-18 ELEVATION 120'-0"	Disapproved	2nd Priority				PIPING
3AR11	1151	364078	3AR11 - Tier 1	ALL PERMANENT CABLE IN THE VERTICAL CABLE TRAY NEED TO BE PROPERLY SUPPORTED - NOT DONE	Disapproved	1st Priority	4/15/14 RLS 5/1/14 MS			ELECT
3AR11	1151	364080	3AR11 - Tier 1	PROVIDE LEVEL LANDING AT PDC BUILDING WEST SIDE OF BUILDING ELEVATION 100'-0" - NOT DONE. LANDINGS, STAIRS, RAILINGS, STEPS, RISERS, GUARDRAILS TO COMPLY WITH CBC CHAPTER 10 AND CALOSHA THE MOST RESTRICTIVE SHALL APPLY IN ALL AREAS AND INSTALLATIONS IN UNIT 3 POWERBLOCK	Disapproved	1st Priority	4/15/14 RLS 5/29/14 SH			PIPING
3AR11	1151	364087	3AR11 - Tier 1	COMPLETE HANDRAIL ON THE FWH PLATFORMS ON GROUND LEVEL	Disapproved	1st Priority				CIVIL
3AR11	1151	364088	3AR11 - Tier 1	MISSING PUMP LOCATED 5' WEST AND 5' NORTH OF P-16. PUMP B ELEVATION 100'-0"	Disapproved	2nd Priority				PIPING
3AR11	1151	364090	3AR11 - Tier 1	COMPLETE TOEPLATE AND HANDRAIL ON THE PLATFORM ABOVE MAIN BOILER FEED PUMP TURBINE	Disapproved	1st Priority				CIVIL
3AR11	1151	364095	3AR11 - Tier 1	PROVIDE LEVEL LANDING TO THE SWAS BUILDING ELEVATION 100'-0" - NOT DONE. LANDINGS SHALL HAVE A LENGTH MEASURED IN THE DIRECTION OF TRAVEL OF NOT LESS THAN 44 INCHES. LANDINGS, STAIRS, RAILINGS, STEPS, RISERS, GUARDRAILS TO COMPLY WITH CBC CHAPTER 10 AND CALOSHA THE MOST RESTRICTIVE SHALL APPLY IN ALL AREAS AND INSTALLATIONS IN UNIT 3 POWERBLOCK	Disapproved	1st Priority	4/15/14 RLS 5/29/14 SH			PE
3AR11	1151	364098	3AR11 - Tier 1	CONDENSATE NEEDS TO DRAIN TO AN APPROVED LOCATION ON THE EAST SIDE OF THE BUILDING ELEVATION 100'-0"	Disapproved	2nd Priority				PIPING
3AR11	1151	364105	3AR11 - Tier 1	HARD PIPING 003-PSV-0901 TO AN ACCEPTABLE DRAIN LOCATION NORTH OF THE FEED WATER TURBINE ELEVATION 100'-0"	Disapproved	2nd Priority				PIPING
3AR11	1151	364180	3AR11 - Tier 1	STEAM LINE APPROXIMATELY 10' ABOVE SECOND LEVEL @ SOUTH WEST END OF HEATER BAY, SUPPORT BOLT NUT WALKING OFF HANGER	Disapproved	2nd priority				MECH
3AR11	1151	358956	3AR11 - Tier 1	REWORK TOE PLATES AROUND THE ENTIRE PERIMETER OF ELEVATION 120'-0"	Disapproved	2nd priority				CIVIL
3AR11	1151	358957	3AR11 - Tier 1	REWORK TOE PLATES AROUND THE ELEVATOR, HOISTWAY AND STAIR PERIMETER ON ELEVATION 120'-0"	Disapproved	2nd priority				CIVIL
3AR11	1151	358958	3AR11 - Tier 1	TRIM OUT GRATING AROUND (3) ELEVATOR PROTECTION SCREEN CONNECTIONS LOCATED 12' NORTH OF K LINE FROM 18 - 19 ON ELEVATION 120'-0"	Disapproved	2nd priority				CIVIL
3AR11	1151	358959	3AR11 - Tier 1	INSTALL PLASTIC PLUGS IN THE CUT ENDS OF HANDRAILS ON 19 LINE ON ELEVATION 120'-0" AT THE ELEVATOR PROTECTION SCREEN	Disapproved	2nd priority				CIVIL
3AR11	1151	358960	3AR11 - Tier 1	CLOSE GAPS IN TOE PLATE ON 19 LINE JUST NORTH AND SOUTH OF THE PERMANENT ELEVATOR DOOR ON ELEVATION 120'-0"	Disapproved	2nd priority				CIVIL
3AR11	1151	358962	3AR11 - Tier 1	REINSTALL THE WESTERN HANDRAIL 110R1010 ON THE SOUTH SIDE OF FWH #6 ON ELEVATION 120'-0"	Disapproved	2nd priority				CIVIL
3AR11	1151	358963	3AR11 - Tier 1	REWORK THE TOP LANDING OF THE SHIP'S LADDER JUST NORTH OF P LINE AND EAST OF 18 LINE ON ELEVATION 123'-6". THE TOP LANDING OVERHAND IS NOT CONSISTENT WITH THE TREADS BELOW.	Disapproved	2nd priority				CIVIL
3AR11	1151	358967	3AR11 - Tier 1	INSTALL HANDRAIL AROUND THE HOISTWAY ON ELEVATION 100'-0"	Disapproved	1st Priority	4/7/14 TV			CIVIL
3AR11	1151	358970	3AR11 - Tier 1	REMOVE ALL CONSTRUCTION MATERIAL FROM THE SWAS ENCLOSURE	Disapproved	2nd priority				CIVIL
3AR11	1151	358974	3AR11 - Tier 1	INSTALL LADDER ON THE NW END OF THE MBFP PEDESTAL LOCATED SUFFICIENTLY FAR SW TO PROVIDE 30" OF CONCRETE BEHIND THE LADDER FOR A STEP OFF.	Disapproved	2nd priority				CIVIL

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3AR12	1273	367240	3AR12 System, Cable tray scope	TWO SUPPORTS REQUIRED AT TRAY # 31030TMA13 TO # 31031TMA29 - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION DONE - NO CHANGE	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS 5/7/14 CG			
3AR12	1273	367241	3AR12 System, Cable tray scope	PROVIDE SEPERATION AND SECURING PER CODE AT VERTICAL TRAYS - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION DONE - NO CHANGE	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS 5/7/14 CG			
3AR12	1152	358906	3AR12 - Tier 2	CAP (4) CUT ENDS OF HANDRAIL RETURN WITH PLASTIC PLUGS ON 19 LINE JUST EAST OF THE ELEVATOR PROTECTION SCREENS ON ELEVATION 180'-0"	Disapproved	2nd priority				CIVIL
3AR12	1152	358907	3AR12 - Tier 2	ADJUST THE GRATING GAPS ON THE DIAGONAL HANDRAIL RUNNING 15' NW OF A LINE RUNNING FROM COLUMN J-21 TO A-18 ON ELEVATION 180'-0"	Disapproved	2nd priority				CIVIL
3AR12	1152	358908	3AR12 - Tier 2	CLOSE OUT TOE PLATE GAPS ON 19 LINE AT THE ELEVATOR PROTECTION SCREENS JUST NORTH AND SOUTH OF THE PERMANENT ELEVATOR DOORS ON ELEVATION 180'-0"	Disapproved	2nd priority				CIVIL
3AR12	1152	358909	3AR12 - Tier 2	ADJUST TOE PLATE GAPS ON G LINE FROM 17 - 19 LINE ON ELEVATION 180'-0"	Disapproved	2nd priority				CIVIL
3AR12	1152	358911	3AR12 - Tier 2	ADJUST TOE PLATE GAPS 11' NORTH OF J LINE AND 0'-10' EAST OF 20 LINE ON ELEVATION 180'-0"	Disapproved	2nd priority				CIVIL
3AR12	1152	358912	3AR12 - Tier 2	ADJUST TOE PLATE GAPS FROM COLUMN J-21 TO T-18 ON ELEVATION 180'-0"	Disapproved	2nd priority				CIVIL
3AR12	1152	358913	3AR12 - Tier 2	ADJUST TOE PLATE GAPS FROM COLUMN J-13 TO T-18 ON ELEVATION 180'-0"	Disapproved	2nd priority				CIVIL
3AR12	1152	358914	3AR12 - Tier 2	ADJUST TOE PLATE GAPS FROM COLUMN A-18 TO D-16 ON ELEVATION 180'-0"	Disapproved	2nd priority				CIVIL
3AR12	1152	358915	3AR12 - Tier 2	ADJUST TOE PLATE GAPS ON THREE SIDES OF THE PIPE CHASE 4'-16' NE OF COLUMN D-16 ON ELEVATION 180'-0"	Disapproved	2nd priority				CIVIL
3AR12	1152	358916	3AR12 - Tier 2	REMOVE ALL SCAFFOLDING ON ELEVATION 140'-0"	Disapproved	2nd priority				CIVIL
3AR12	1152	358917	3AR12 - Tier 2	REMOVE ALL CONSTRUCTION MATERIAL ON ELEVATION 140'-0"	Disapproved	2nd priority				CIVIL
3AR12	1152	358918	3AR12 - Tier 2	TRIM OUT GRATING AROUND (3) ELEVATOR PROTECTION SCREEN CONNECTIONS LOCATED 12' NORTH OF K LINE FROM 18 - 19 LINE ON ELEVATION 180'-0"	Disapproved	2nd priority				CIVIL
3AR12	1152	358919	3AR12 - Tier 2	ADJUST TOE PLATE GAPS AT THE ELEVATOR PROTECTION SCREEN AND TO THE WEST FROM 17 - 19 LINE AND 12' NORTH OF K LINE ON ELEVATION 180'-0"	Disapproved	2nd priority				CIVIL
3AR12	1152	364057	3AR12 - Tier 2	CABLES IN VERTICAL CABLE TRAY NEED TO BE SECURED PROPERLY. - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION DONE - NO CHANGE	Disapproved	1st Priority	4/15/14 RLS 5/7/14 CG			ELECT
3AR12	1152	364059	3AR12 - Tier 2	REMOVE TIE WRAP AND USE METAL CLAMPS ON CABLE AT APPROXIMATELY 150'-0" ELEVATION - UNABLE TO LOCATE CORRECTION NEED MORE INFO OR MORE INFO FROM AUTHOR OF CORRECTION FOR CLARIFICATION	Disapproved	1st Priority	4/15/14 RLS			ELECT
3AR12	1152	364061	3AR12 - Tier 2	PROVIDE BOLTS AT BOTTOM OF LADDER TO PROPERLY SECURE LADDER NORTH OF D-16 ELEVATION 140'-0"	Disapproved	2nd Priority				CIVIL
3AR12	1152	364062	3AR12 - Tier 2	CAP ALL OPEN ENDED HANDRAILS ELEVATION 140'-0"	Disapproved	2nd Priority				CIVIL
3AR12	1152	364063	3AR12 - Tier 2	COMPLETE ALL GRATING PENETRATIONS AND ADJUST ALL TOEPLATE TO LESS THAN 1" GAP ELEVATION 140'-0"	Disapproved	2nd Priority				CIVIL
3AR12	1152	364064	3AR12 - Tier 2	HANDRAILS NEED TO BE INSTALLED/REPLACED NEAR HEATER BAY CROSSOVER ELEVATION 140'-0"	Disapproved	1st Priority				CIVIL
3AR12	1152	358924	3AR12 - Tier 2	ADJUST TOE PLATE GAPS AROUND THE ENTIRE PERIMETER OF ELEVATION 140'-0"	Disapproved	2nd priority				CIVIL
3AR12	1152	358925	3AR12 - Tier 2	ADJUST TOE PLATE GAPS AROUND THE ENTIRE PERIMETER OF THE HOISTWAY AND STAIRWELL OPENING ON ELEVATION 140'-0"	Disapproved	2nd priority				CIVIL
3AR12	1152	358926	3AR12 - Tier 2	TRIM OUT GRATING AROUND (3) ELEVATOR PROTECTION SCREEN CONNECTIONS LOCATED 12' NORTH OF K LINE FROM 18 - 19 LINE ON ELEVATION 140'-0"	Disapproved	2nd priority				CIVIL
3AR12	1152	358927	3AR12 - Tier 2	CLOSE OUT GAPS IN TOE PLATE JUST NORTH AND SOUTH OF THE PERMANENT ELEVATOR DOORS ON 19 LINE ON ELEVATION 140'-0"	Disapproved	2nd priority				CIVIL
3AR12	1152	358928	3AR12 - Tier 2	INSTALL PLASTIC PLUGS IN (4) CUT ENDS OF HANDRAILS ON 19 LINE ON ELEVATION 140'-0" AT THE ELEVATOR PROTECTION SCREEN.	Disapproved	2nd priority				CIVIL
3AR12	1152	358929	3AR12 - Tier 2	TRIM OUT TOE PLATE AROUND THE (2) FEEDWATER HEATER PIPE CHASES ON ELEVATION 140'-0"	Disapproved	2nd priority				CIVIL
3AR12	1152	358930	3AR12 - Tier 2	INSTALL INFILL PLATE IN THE COPED ENDS OF THE FEEDWATER HEATER GUIDE SUPPORT STEEL AT (4) PLACES IN THE SOUTH CHASE NEAR FWH #6 ON ELEVATION 140'-0"	Disapproved	2nd priority				CIVIL
3AR12	1152	358931	3AR12 - Tier 2	INSTALL BOLTS IN REMOVABLE HANDRAIL BASES AROUND FWH #6 PIPE CHASE ON ELEVATION 140'-0"	Disapproved	2nd priority				CIVIL

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3AR12	1152	358932	3AR12 - Tier 2	TRIM OUT GRATING AROUND PIPE PENETRATION LOCATED 7' WEST OF 16 LINE AND 2' NORTH OF J LINE ON ELEVATION 140'-0"	Disapproved	2nd priority				CIVIL
3AR13	1274	367243	3AR13 System, cable tray scope	COMPLETE SEPERATION, SECURING, REMOVE TEMP WIRING AND METHODS OR INSTALL PER CODE - NOT ON BECHTEL SUPPLIED PUNCH LIST NO CHANGE	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS 5/7/14 CG			
3AR13	1274	367244	3AR13 System, cable tray scope	MULTI CONDUCTOR 750'S MISSING SUPPORTS 6 FEET MAX OC. - NOT ON BECHTEL SUPPLIED PUNCH LIST - NO CHANGE	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS 5/7/14 CG			
3AR13	1274	367245	3AR13 System, cable tray scope	MISSING CABLE PROTECTION AT FOURTH VERTICAL TRAY TO 6 FEET ABOVE GRADE - NOT ON BECHTEL SUPPLIED PUNCH LIST - NO CHANGE	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS 5/7/14 CG			
3AR13	1153		3AR13 Tier 3	4 PACK GUTTER AND TRANSFORMER SITTING ON DECK. EQUIPMENT AND ASSOCIATED CABLING INPROPERLY SECURED DOWN LEAVING TRIPPING AND A TIPPING HAZARD. REMOVE OR SECURE PER CODE. - NO CHANGE	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS		Bechtel - 3/19/14; This item is a NRG PL item for temporary power. It is the responsibility of NRG to close out with CBO and will not be added to the Bechtel PL data base.	
3AR13	1153	359881	3AR13 - Tier 3	THE LADDER ON THE DA TANK IS TOO FAR FROM HANDRAIL AT TOP.	Disapproved	2nd Priority				SUBCON
3AR13	1153	359882	3AR13 - Tier 3	THE GUARDRAIL ON TOP OF THE DA TANK IS TOO LOW AT 41'.	Disapproved	1st Priority				SUBCON
3AR13	1153	359884	3AR13 - Tier 3	THERE ARE GAPS LARGER THAN 1" BETWEEN GRATING/PLATFORM AND THE KICKPLATE.	Disapproved	1st Priority				CIVIL
3AR14	1285	367247	3AR14 System Cable tray scope	COMPLETE SEPERATION, SECURING, REMOVE TEMP WIRING AND METHODS OR INSTALL PER CODE - NOT ON BECHTEL SUPPLIED PUNCHLIST NO CHANGE	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS 5/7/14 CG			
3AR14	1285	367248	3AR14 System Cable tray scope	MULTI CONDUCTOR 750'S MISSING SUPPORTS 6 FEET MAX OC. - NOT ON BECHTEL SUPPLIED PUNCHLIST NO CHANGE	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS 5/7/14 CG			
3AR14	1285	367249	3AR14 System Cable tray scope	MISSING CABLE PROTECTION AT FOURTH VERTICAL TRAY TO 6 FEET ABOVE GRADE - NOT ON BECHTEL SUPPLIED PUNCH LIST NO CHANGE	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS 5/7/14 CG			
3AR14	1154	359875	3AR14 Tier 4	THERE ARE GAPS LARGER THAN 1" BETWEEN GRATING/PLATFORM AND THE KICKPLATE.	Disapproved	1st Priority				CIVIL
3AR14	1154	359876	3AR14 Tier 4	REMOVE SCAFFOLDING IN THE NORTH EAST CORNER.	Disapproved	2nd Priority				CIVIL
3AR14	1154	359877	3AR14 Tier 4	ADJUST GRATING AT TOP OF STAIRS TO ENSURE THAT THE RISERS ARE ALL SYMETRICAL IN DEPTH. GRATING HANGS TOO FAR INTO TOP OF STAIRWAY.	Disapproved	1st Priority				CIVIL
3AR15	1286	367252	3AR15 System Cable tray scope	MISSING CABLE PROTECTION AT FOURTH VERTICAL TRAY TO 6 FEET ABOVE GRADE - NOT DONE	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS			
3AR16	1287	367254	3AR16 System Cable tray scope	COMPLETE SEPARATION, SECURING, REMOVE TEMP WIRING AND METHODS OR INSTALL PER CODE - NOT ON BECHTEL SUPPLIED PUNCHLIST NO CHANGE	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS			
3AR16	1156	359863	3AR16 Tier 6	A GRATING PANEL ON THE WEST SIDE NEEDS TO BE REPLACED. IT HAS A NOTICEABLE DEPRESSION IN THE MIDDLE OF THE PANEL	Disapproved	2nd Priority				CIVIL
3AR16	1156	359866	3AR16 Tier 6	FIRST STEP GOING DOWN THE STAIRS NEEDS TO BE ADJUSTED TO MATCH THE REST OF THE RISERS. LANDINGS, STAIRS, RAILINGS, STEPS, RISERS, GUARDRAILS TO COMPLY WITH CBC CHAPTER 10 AND CALOSHA THE MOST RESTRICTIVE SHALL APPLY IN ALL AREAS AND INSTALLATIONS IN UNIT 3 POWERBLOCK	Disapproved	1st Priority	5/29/14 SH			CIVIL
3AR16	1156	359870	3AR16 Tier 6	THERE ARE GAPS LARGER THAN 1" BETWEEN GRATING/PLATFORM AND THE KICKPLATE.	Disapproved	1st Priority				CIVIL
3AR17	1288	367256	3AR17 System Cable tray scope	SECURE CABLES AT VERTICAL TRAYS 1 INCH AND GREATER 6FEET OC.1 INCH MINUS 4 FEET OC DECREPANCIES THROUGHOUT - NOT ON BECHTEL SUPPLIED PUNCHLIST NO INSPECTION	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS			
3AR17	1288	367257	3AR17 System Cable tray scope	COMPLETE KELLUMS INSTALLATIONS AND REMOVE ROPE HANGERS - NOT DONE	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS			
3AR17	1288	367258	3AR17 System Cable tray scope	PROVIDE CABLE PROTECTION TO 6 FEET ABOVE GRADE - NOT COMPLETED AT TEMPORARY POWER CABLE TRAY	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS			
3AR17	1157	359861	3AR17 Tier 7	THERE ARE GAPS LARGER THAN 1" BETWEEN GRATING/PLATFORM AND THE KICKPLATE.	Disapproved	1st Priority				CIVIL
3AR18	1297	367260	3AR18 System, Cable tray scope	SECURE TEMP POWER 6 FEET OC ON 1 IN. PLUS DIAMETER CABLES IN VERTICAL TRAYS - NOT ON BECHTEL SUPPLIED PUNCHLIST NOT INSPECTED - NO CHANGE	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS 5/7/14 CG			
3AR18	1297	367262	3AR18 System, Cable tray scope	TRIPLE DECK HANGERS AT CANTILEVER SUPPORTS AT TRAY # 31080TSA,TMA & THA03-05 MISSING SUPPORTING ENGINEERING - NOT ON BECHTEL SUPPLIED PUNCHLIST NOT INSPECTED - NO CHANGE	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS 5/7/14 CG			

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3AR18	1297	367264	3AR18 System, Cable tray scope	MISSING TRAY COVER AT TRAY # 311080THA01 - NOT ON BECHTEL SUPPLIED PUNCHLIST NOT INSPECTED - NO CHANGE	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS 5/1/14 MS 5/7/14 CG			
3AR18	1297	367265	3AR18 System, Cable tray scope	PROVIDE APPROVAL OF CANTILEVER OF PICTURE FRAME HANGER AT 31080TSA,TMA AND THA09 (TRIPLE LAYER HANGER WITH CLAMPS) - NOT ON BECHTEL SUPPLIED PUNCHLIST NOT INSPECTED - VERTICAL UNISTRUT COMPROMISED - ENGINEERING REQUIRED	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS 5/7/14 CG			
3AR18	1297	367266	3AR18 System, Cable tray scope	HANGER CAME OF BEAM AT TRAY # 31080TSA15, ADD RETAINER STRAP. - NOT ON BECHTEL SUPPLIED PUNCHLIST NOT INSPECTED - NO CHANGE	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS 5/7/14 CG			
3AR18	1297	367267	3AR18 System, Cable tray scope	MISSING TRAY HANGER AT TRAY # 31080TSA,TMA AND THA15 - NOT ON BECHTEL SUPPLIED PUNCHLIST NOT INSPECTED	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS			
3AR18	1297	367268	3AR18 System, Cable tray scope	PROVIDE CLEARANCE BETWEEN CONDUCTORS AND CABLE PROTECTION TO 6 FEET ABOVE GRADE AT TEMP POWER TRAY - NOT ON BECHTEL SUPPLIED PUNCHLIST NOT INSPECTED - TEMP PWR EQUIPMENT - NO CHANGE	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS 5/7/14 CG			
3AR18	1297	367269	3AR18 System, Cable tray scope	SECURE VERTICAL TRAY AT DECK LEVEL (20 FEET PLUS BETWEEN SUPPORTS) - NOT ON BECHTEL SUPPLIED PUNCHLIST NOT INSPECTED - NO CHANGE	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS 5/7/14 CG			
3AR18	1297	367271	3AR18 System, Cable tray scope	PROVIDE ENGINEERING FOR ALL TRIPLE LAYERED TRAYS HUNG WITH CLAMPS AS OPPOSED TO THE APPROVED WELDED CONNECTION - NOT ON BECHTEL SUPPLIED PUNCHLIST NOT INSPECTED - NO CHANGE	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS 5/7/14 CG			
3AR18	1297	367274	3AR18 System, Cable tray scope	REMOVE TEMP CABLES, TEMP SECURING METHODS OR INSTALL PER CODE TEMP SUCURING METHODS (ROPE STILL IN PLACE) - NOT ON BECHTEL SUPPLIED PUNCHLIST NOT INSPECTED - TEMP PWR CABLES - NO CHANGE	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS 5/7/14 CG			
3AR18	1297	367276	3AR18 System, Cable tray scope	MISSING EXPANTION JOINTS ON TWO TRAYS - NOT ON BECHTEL SUPPLIED PUNCHLIST NOT INSPECTED - NO CHANGE - TEMP PWR EQUIPMENT	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS 5/1/14 MS 5/7/14 CG			
3AR18	1297	367277	3AR18 System, Cable tray scope	PICTURE FRAME SUPPORTS AT TRAY # 31070THA & TMA21 MISSING SUPPORTING ENGINEERING. SAME AT TRAY # 31070THA & TMA9 AND 13 - NOT ON BECHTEL SUPPLIED PUNCHLIST NOT INSPECTED	Disapproved	1st priority	2/21/2014 MS 4/15/14 RLS			
3AR18	1158	367278	3AR18 Tier 8	EEM HOUSE ACC PLATFORM GATE DOES NOT CLOSE AND LATCH - NOT DONE	Disapproved	1st Priority	2/21/14 RLS 4/15/14 RLS			
3AR18	1158	367279	3AR18 Tier 8	EEM HOUSE ACC PLATFORM GATE IS NOT A SELF CLOSER - NOT DONE	Disapproved	1st Priority	2/21/14 RLS 4/15/14 RLS			
3AR18	1158	367280	3AR18 Tier 8	NO LEVEL LANDING OR STEPS FOR CODE COMPLIANCE OUTSIDE EEM HOUSE - NOT DONE. LANDINGS, STAIRS, RAILINGS, STEPS, RISERS, GUARDRAILS TO COMPLY WITH CBC CHAPTER 10 AND CALOSHA THE MOST RESTRICTIVE SHALL APPLY IN ALL AREAS AND INSTALLATIONS IN UNIT 3 POWERBLOCK	Disapproved	1st priority	2/21/14 RLS 4/15/14 RLS 5/29/14 SH			
3AR18	1158	367283	3AR18 Tier 8	CONDENSATION LINES COMING FROM EEM HOUSE ACC UNITS ARE DRAINING OFF THE SIDE OF THE TOWER NOT INTO AN APPROVED DRAIN - NOT DONE	Disapproved	1st priority	2/21/14 RLS 4/15/14 RLS			
3AR18	1158	255101	3AR18 Tier 8	FILL IN GAPS IN THE TOE PLATE BETWEEN THE EXISTING TOE PLATE AND THE COLUMN DIAGONAL KNIFE CLIPS AT COLUMN D-20 ON ELEVATION 415'-0".	Disapproved	2nd Priority				1/15/2014
3AR18	1158	255117	3AR18 Tier 8	FILL IN ~2" GAP IN THE TOE PLATE ON 19 LINE AND 8' NORTH OF K LINE AT THE ELEVATOR PROTECTION SCREEN ON ELEVATION 395'-6".	Disapproved	2nd Priority				1/15/2014
3AR18	1158	255122	3AR18 Tier 8	REMOVE ALL SCAFFOLDING FROM ELEVATION 376'-0".	Disapproved	2nd Priority				10/31/2013
3AR18	1158	364008	3AR18 Tier 8	STEPS REQUIRED AT BOTH E-HOUSE ENTRANCES. CURRENT STEP IS APPROXIMATELY 12" HIGH. - LANDING NOT DONE AND NO STEP	Disapproved	1st Priority	4/15/14 RLS			PE
3AR18	1158	364010	3AR18 Tier 8	TOE PLATE NEEDS TO BE REPAIRED/ADJUSTED ON THE A/C PLATFORM.	Disapproved	1st Priority				CIVIL
3AR18	1158	364012	3AR18 Tier 8	CONDENSATE LINES THAT COME OFF THE A/C UNITS NEED TO BE ROUTED TO APPROVED LOCATION. CURRENTLY THEY JUST TERMINATE OFF THE SIDE OF THE BUILDING. ELEVATION 395'	Disapproved	1st Priority				PIPING
3AR19	1289	367284	3AR19 System, cable tray scope	CABLE TRAY MISSING SUPPORT @ 31110TMA05 - NOT ON BECHTEL SUPPLIED PUNCHLIST NO INSPECTION	Disapproved	1st priority	2/21/14 RLS 4/15/14 RLS 5/22/14 RLS			
3AR19	1289	367294	3AR19 System, cable tray scope	TEMPERARY POWER CABLE ARE NOT SUPPORTED PER CODE - NOT ON BECHTEL SUPPLIED PUNCHLIST NO INSPECTION - NOT DONE	Disapproved	1st priority	2/21/14 RLS 4/15/14 RLS 5/22/14 RLS			
3AR19	1289	367295	3AR19 System, cable tray scope	NO SETROUTE #'S ON CABLE TRAY TO CLEARLY IDENTIFY CORRECTION AREA'S - NOT ON BECHTEL SUPPLIED PUNCHLIST NO INSPECTION - NOT DONE	Disapproved	2nd priority	2/21/14 RLS 4/15/14 RLS 5/22/14 RLS			

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3AR19	1289	367296	3AR19 System, cable tray scope	UNISTRUT BOX FRAME SUPPORT FOR CABLE TRAY HAS NO SUPPORTING BECHTEL ENGINEERING AND OR NEMA VE-2-2000 STANDARDS TO SUPPORT AS IS CONDITION WEST OF CONDUIT 31095CX081 - NOT ON BECHTEL SUPPLIED PUNCHLIST NO INSPECTION - NOT DONE	Disapproved	1st priority	2/21/14 RLS 4/15/14 RLS 5/22/14 RLS			
3AR19	1289	367300	3AR19 System, cable tray scope	TEMPORARY POWER FOR 4 PACK WELDER GUTTER NOT SECURED TO STRUCTURE IN THE NORTHEAST AND SOUTHEAST SIDES OF THIS LEVEL - NOT ON BECHTEL SUPPLIED PUNCHLIST NO INSPECTION	Disapproved	2nd priority	2/21/14 RLS 4/15/14 RLS			
3AR19	1289	367301	3AR19 System, cable tray scope	TEMPORARY POWER CABLES ARE NOT SUPPORTED PER CODE THEY ARE HELD UP BY ROPE - NOT ON BECHTEL SUPPLIED PUNCHLIST NO INSPECTION - NOT DONE	Disapproved	1st priority	2/21/14 RLS 4/15/14 RLS 5/22/14 RLS			
3AR19	1289	367303	3AR19 System, cable tray scope	CANILEVERED DOUBLE UNISTRUT SUPPORT JUST SOUTH OF CONDUIT 31111CMS115 - NOT ON BECHTEL SUPPLIED PUNCHLIST NO INSPECTION - NOT DONE	Disapproved	1st priority	2/21/14 RLS 4/15/14 RLS 5/22/14 RLS			
3AR19	1289	367309	3AR19 System, cable tray scope	2- CABLE TRAY SUPPORTS ARE NOT INSTALLED @ 31190TMA13 PER BECHTEL ENGINEERING - NOT ON BECHTEL SUPPLIED PUNCHLIST NO INSPECTION - NOT DONE	Disapproved	1st Priority	2/21/14 RLS 4/15/14 RLS 5/7/14 CG 5/22/14 RLS			
3AR19	1289	367313	3AR19 System, cable tray scope	CANTILEVERED UNISTRUT BOX FRAME SUPPORT FOR CABLE TRAY NORTH OF CONDUIT 31091CX082 HAS NO SUPPORTING BECHTEL ENGINEERING OR NEMA VE-2-2000 STANDARDS TO SUPPORT AS IS CONDITION - NOT ON BECHTEL SUPPLIED PUNCHLIST NO INSPECTION - NO CHANGE	Disapproved	1st priority	2/21/14 RLS 4/15/14 RLS 5/7/14 CG 5/22/14 RLS			
3AR19	1289	367314	3AR19 System, cable tray scope	CABLE TRAY SUPPORT MISSING AT 31190TMA49 THRU 51 - NOT ON BECHTEL SUPPLIED PUNCHLIST NO INSPECTION - NO CHANGE - NOT INSPECTED	Disapproved	1st priority	2/21/14 RLS 4/15/14 RLS 5/7/14 CG 5/22/14 RLS			
3AR19	1289	367316	3AR19 System, cable tray scope	UNISTRUT/ALL THREAD CABLE TRAY SUPPORT ON SOUTHSIDE 31190TMA45 THRU 31190TMA85 HAS NO SUPPORTING BECHTEL ENGINEERING AND OR NEMA VE-2-2000 STANDARDS TO SUPPORT AS IS CONDITION - NOT ON BECHTEL SUPPLIED PUNCHLIST NO INSPECTION - NO CHANGE - NOT INPSECTED	Disapproved	1st priority	2/21/14 RLS 4/15/14 RLS 5/7/14 CG 5/22/14 RLS			
3AR19	1159	255669	3AR19 Tier 9	INSTALL TOE PLATE AT THE EASTERN BOILER CIRC PUMP MOTOR LOCATED 3' WEST OF 19 LINE AND 5' SOUTH OF P LINE ON ELEVATION 439'-0". ALSO AT THE WESTERN BOILER CIRC PUMP MOTOR EAST OF 17 LINE.	Disapproved	2nd Priority				
3AR19	1159	255678	3AR19 Tier 9	CLOSE IN GAPS IN TOE PLATES ON BOTH THE EAST AND WEST SIDES OF THE STAIRS LEADING DOWN FROM ELEVATION 451'-3" LOCATED 1' - 5' EAST OF 17 LINE AND 2' SOUTH OF G.2 LINE ON ELEVATION 439'-0".	Disapproved	2nd Priority				
3AR19	1159	255680	3AR19 Tier 9	ADJUST THE OVERHANG AT THE TOP LANDING OF THE STAIRS LEADING DOWN TO ELEVATION 427'-0" LOCATED ON 19 LINE JUST SOUTH OF K LINE ON ELEVATION 439'-0".	Disapproved	2nd Priority				
3AR19	1159	255683	3AR19 Tier 9	REMOVE TEMPORARY POWER EQUIPMENT FROM ELEVATION 427'-0". - NOT ON BECHTEL SUPPLIED PUNCH LIST - NO CHANGE	Disapproved	2nd Priority	4/15/14 RLS 5/7/14 CG			
3AR19	1159	363974	3AR18 Tier 8	TEMPORARY POWER IS INCORRECTLY SUPPORTED. ROPE IS BEING USED INSTEAD OF KILNS. ELEVATION 427. - NOT ON BECHTEL SUPPLIED PUNCH LIST - NO CHANGE	Disapproved	1st Priority	4/15/14 RLS 5/7/14 CG 5/22/14 RLS			ELECT
3AR19	1159	363979	3AR19 Tier 9	TEMPORARY CABLE SUPPORT NEEDS TO BE REMOVED AT EAST SIDE OF AREA. ELEVATION 427. - NOT DONE	Disapproved	2nd Priority	5/22/14 RLS			ELECT
3AR19	1159	363981	3AR19 Tier 9	NEED LOCKING NUT FOR PIPING SUPPORT, SEE 3-EH-EJP-210-03 FOR LOCATION REFERENCE. ELEVATION 427.	Disapproved	2nd Priority				PIPING
3AR19	1159	363983	3AR19 Tier 9	INSTALL END CAPS ON HANDRAIL CUT-OUTS AT VALVE 003-AA-HV-7063, LOCATED APPROX. 7" EAST OF LINE 16. ELEVATION 427.	Disapproved	2nd Priority				CIVIL
3AR19	1159	363994	3AR19 Tier 9	RE-INSTALL U-BOLT ON PIPING 003-AA-HV-5193 NEAR COLUMNS P-19 ELEVATION 427'	Disapproved	2nd Priority				PIPING
3AR19	1159	363995	3AR19 Tier 9	TIGHTEN U-BOLTS ON PIPING 003-AA-HV-5294 A & B, APPROXIMATELY 6' SOUTH OF P-20 ELEVATION 427'	Disapproved	2nd Priority				PIPING
3AR19	1159	364002	3AR19 Tier 9	REINSTALL CABLE TRAY COVER SW CORNER NEAR G.2 AND 17 ELEVATION 415' - NOT ON BECHTEL SUPPLIED PUNCH LIST - NO INSPECTION	Disapproved	1st Priority	5/22/14 RLS			ELECT
3AR19	1159	364005	3AR19 Tier 9	ADJUST GRATING PANELS TO ELIMINATE TRIPPING HAZARD LOCATED 3' SOUTH OF G.2 AND 5' WEST OF 19 ELEVATION 415'	Disapproved	1st Priority				CIVIL
3AR20	1049	364146	Unit 3 General Power Block Area 3AR20	MORE BOLLARDS ARE REQUIRED AT THE FIRE HYDRANT LOCATED TO THE NORTH OF THE ACC	Disapproved	2nd Priority				CIVIL
3AR20	1049	364150	Unit 3 General Power Block Area 3AR20	THE DRAINS FROM THE AIR COMPRESSOR NEED TO BE ROUTED SO THAT IT IS NOT DRAINING TO THE RAINWATER DITCH	Disapproved	2nd Priority				PE

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3AR20	1049	364151	Unit 3 General Power Block Area 3AR20	GROUND ON THE NW SIDE OF THE PSB NEAR THE LIGHT POLE NEEDS TO BE BURIED. BOLLARDS ARE REQUIRED AROUND THE E-PANEL ON THE SW SIDE OF THE PSB - NOT INSPECTED	Disapproved	1st Priority	4/16/14 RLS			ELECT
3AR21	1160	367334	3AR21 Tier 10	U-BOLT CAME OFF VERTICAL PIPE AT NORTH WEST AREA	Disapproved	1st priority	2/21/2014 MS			
3AR21	1160	83223	3AR21 Tier 10	INSTALL HANDRAIL 210R1205, 210R1144, 210R1061 (EL 451'-3")	Disapproved	1st Priority				
3AR21	1160	255650	3AR21 Tier 10	REINSTALL HANDRAILS 210R1144 AND 210R1061 LOCATED 8' SOUTH OF P LINE AND 9' EAST OF 17 AND JUST WEST OF 17 LINE RESPECTIVELY ON ELEVATION 451'-3".	Disapproved	1st Priority				1/4/2014
3AR21	1160	363944	3AR21 Tier 10	RE-INSTALL U-BOLT LOCATED AT COLUMN LINES 16 AND L.2. ELEVATION 460'.58".	Disapproved	2nd Priority				CIVIL
3AR21	1160	363949	3AR21 Tier 10	REPAIR LADDER WHERE DOUBLE PIPING JOIN, LOCATED SOUTH WEST CORNER AND 7' AFF. ELEVATION 451'.25".	Disapproved	2nd Priority				CIVIL
3AR21	1160	363951	3AR21 Tier 10	CONSTRUCTION POWER CABLE TIED TO HANDRAIL, SHOULD BE SUPPORTED BY A UNISTRUT. ELEVATION 451'.25". - NOT DONE	Disapproved	1st Priority	4/15/14 RLS			ELECT
3AR21	1160	363956	3AR21 Tier 10	INSTALL GUARDRAIL LOCATED LINE 17 AND G.2. ELEVATION 451'.25".	Disapproved	1st Priority				CIVIL
3AR21	1160	363958	3AR21 Tier 10	PROPERLY SECURE TEMPORARY POWER CABLES AND REMOVE FROM HANDRAIL. ELEVATION 439.	Disapproved	1st Priority				CIVIL
3AR21	1160	363960	3AR21 Tier 10	REINSTALL U-BOLT LOCATED AT LINE 19, APPROX. 3' SOUTH OF LINE P. ELEVATION 439.	Disapproved	2nd Priority				CIVIL
3AR21	1160	363964	3AR21 Tier 10	ADEQUATELY SUPPORT PIPING AT VALVE 003-AA-V-5176B, LOCATED APPROX. 4' EAST OF LINE 19 AND 1' SOUTH OF LINE P. ELEVATION 439.	Disapproved	2nd Priority				PIPING
3AR21	1160	363972	3AR21 Tier 10	TIGHTEN U-BOLT FOR VERTICAL PIPING AT LINE 16 AND APPROX. 5' WEST OF L.2. ELEVATION 439.	Disapproved	2nd Priority				CIVIL
3AR21	1290	364192	3AR21 System, cable tray scope	CABLE TRAY 31130TMD03 UNISTRUT SUPPORT NEEDS AN ADDITIONAL WINDOW CLAMP - NOT ON BECHTEL SUPPLIED PUNCH LIST NOT INSPECTED - NOT DONE	Disapproved	2nd priority	4/2/14 RLS 4/15/14 RLS 5/29/14 RLS			ELECT
3AR21	1290	367326	3AR21 System, cable tray scope	TRAY #31130TMB17 HANGER NOT PER DESIGN (ALL-THREAD HANGER TO BE AT CENTER OF BEAM HUNG ON) - NOT ON BECHTEL SUPPLIED PUNCH LIST NOT INSPECTED	Disapproved	1st Priority	2/21/14 MS 4/15/14 RLS			
3AR21	1290	367329	3AR21 System, cable tray scope	SECURE CABLES AT VERTICAL TRAYS 1 INCH AND GREATER 6FEET OC.1 INCH MINUS 4 FEET OC DECREPANCIES THROUGHOUT - NOT ON BECHTEL SUPPLIED PUNCH LIST NOT INSPECTED - NOT DONE	Disapproved	1st Priority	2/21/14 MS 4/15/14 RLS 5/21/14 RLS			
3AR21	1290	367331	3AR21 System, cable tray scope	MISSING HANGER AT TRAY # 31120TMA05 - NOT ON BECHTEL SUPPLIED PUNCH LIST NOT INSPECTED - NOT DONE	Disapproved	1st Priority	2/21/14 MS 4/15/14 RLS 5/21/14 RLS			
3AR21	1290	367332	3AR21 System, cable tray scope	SECURE CABLE AS REQUIRED AND REMOVE TEMP CABLE OR SECURE PER CODE - NOT ON BECHTEL SUPPLIED PUNCH LIST NOT INSPECTED	Disapproved	1st Priority	2/21/14 MS 4/15/14 RLS 5/21/14 RLS			
3AR22	1161	363858	3AR22 Tier 11	TIGHTEN U-BOLT LATERAL SUPPORT FOR MOV 003-AA-HV-5620 AND MOV 003-AA-HV-5120. LOCATED APPROX. 8' EAST OF P-16. ELEVATION 472' 25".	Disapproved	2nd Priority				CIVIL
3AR22	1161	363859	3AR22 Tier 11	NEED LATERAL SUPPORT FOR 2" WATERLINE AND AIRLINE PIPES, LOCATED WEST OF ELEVATOR SHAFT. ELEVATION 472' 25".	Disapproved	2nd Priority				CIVIL
3AR22	1161	363860	3AR22 Tier 11	NEED CANTILEVER SUPPORT FOR CONDUIT BEHIND MOV 003-AA-HV-5120. RECOMMEND ADDING SECOND BEAM FOR SUPPORT. LOCATED APPROX. 8' EAST OF P-16. ELEVATION 472' 25".	Disapproved	2nd Priority				CIVIL
3AR22	1161	363861	3AR22 Tier 11	TIGHTEN MECHANICAL PIPING CONNECTING TO TE3-AA-TE/TW-3001, LOCATED APPROX. 7' NORTH OF ELEVATOR SHAFT AND 4' AFF. ELEVATION 472' 25".	Disapproved	2nd Priority				CIVIL
3AR22	1161	363863	3AR22 Tier 11	NEED PROPER SUPPORT FOR HANDRAILS LOCATED 7' NORTH OF ELEVATOR SHAFT. ELEVATION 472' 25".	Disapproved	1st Priority				CIVIL
3AR22	1161	363864	3AR22 Tier 11	NEED PROPER SUPPORT FOR HANDRAILS LOCATED WEST OF ELEVATOR SHAFT. (SEE HEAT TRAY PANELS 3-HT-JB-3502/3503 FOR REFERENCE). ELEVATION 472' 25".	Disapproved	1st Priority				CIVIL
3AR22	1161	363865	3AR22 Tier 11	NEED PROPER SUPPORT FOR MECHANICAL PIPING LOCATED APPROX. 5' EAST OF 19 AND D.2. ELEVATION 472' 25".	Disapproved	1st Priority				CIVIL
3AR22	1161	363866	3AR22 Tier 11	SEPARATE EQUIPMENT FROM PIPING LOCATED APPROX. 5' EAST OF 19 AND D.2. ELEVATION 472' 25".	Disapproved	2nd Priority				CIVIL
3AR22	1161	363873	3AR22 Tier 11	DAMAGED ANGLE IRON SUPPORT LOCATED UNDERNEATH THE STAIRS. ELEVATION 460' 58". - NO CHANGE	Disapproved	1st Priority	5/21/14 RLS			ELECT
3AR22	1161	363874	3AR22 Tier 11	STAIRS EXCEED 3/8" VARIATION. ELEVATION 460' 58". - NOT ON BECHTEL SUPPLIED PUNCH LIST NO INSPECTION	Disapproved	1st Priority	5/21/14 RLS			ELECT
3AR23	1162	255053	3AR23 Tier 12	INSTALL SWING GATE, LOCK, SIGNAGE, TIE OFF STANCHIONS AND MODIFY HANDRAILS AT ELEVATION 500'-10" PER ECN 25542-003-SSE-0000-00026 TO PROVIDE ACCESS TO HOIST 003-HA-MH-008 LOCATED BETWEEN 17 AND 18 LINES AND 10' NORTH OF G.2 LINE.	Disapproved	1st Priority				CIVIL

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3AR23	1162	363812	3AR23 Tier 12	PROVIDE SEISMIC BRACING FOR VERTICAL PIPING VALVE 003-AA-HV-5312, ADJACENT TO COLUMN G.2. ELEVATION 500' 10". - NOT DONE	Disapproved	2nd Priority	4/15/14 RLS			CIVIL
3AR23	1162	363818	3AR23 Tier 12	CLOSE GAP BETWEEN GRATING PANELS TO LESS THAN 1" OPENING, LOCATED NORTH OF COLUMN D-19. ELEVATION 500' 10".	Disapproved	1st Priority				CIVIL
3AR23	1162	363826	3AR23 Tier 12	FILL A 6"X 8" GAP WITH GRATING LOCATED JUST LEFT AT THE BOTTOM OF THE STAIRS, APPROX. 2' SOUTH OF G.2. ELEVATION 500' 10".	Disapproved	1st Priority				CIVIL
3AR23	1162	363829	3AR23 Tier 12	PROVIDE ADEQUATE LATERAL SUPPORT FOR VERTICAL PIPING RISER LOCATED AT COLUMN P-16. ELEVATION 500' 10".	Disapproved	2nd Priority				PIPING
3AR23	1162	363832	3AR23 Tier 12	PROVIDE GROUNDING PER SPEC'S IN AREA. ELEVATION 500' 10". - NO GROUNDING SPEC'S WAS PROVIDED SO NO INSPECTION WAS CONDUCTED - AGAIN NO GROUNDING SPECS PROVIDED NO INSPECTION NEED AUTHOR OF CORRECTION TO CLARIFY WHAT IS REQUIRED ON THIS ELEVATION	Disapproved	1st Priority	4/15/14 RLS 5/21/14 RLS			ELECT
3AR23	1162	363833	3AR23 Tier 12	INSTALL BOLTS ON THE REMOVABLE HANDRAILS LOCATED APPROX. 8' SOUTH OF L.2 AND NORTH AND SOUTH OF VERTICAL PIPE CHASE. ELEVATION 500' 10".	Disapproved	1st Priority				CIVIL
3AR23	1162	363837	3AR23 Tier 12	REMOVE ALL TEMPORARY POWER IN AREA. ELEVATION 491' 6". - NOT ON BECHTEL PROVIDED PUNCHLIST NOT DONE	Disapproved	2nd Priority	4/15/14 RLS			ELECT
3AR23	1162	363843	3AR23 Tier 12	TIGHTEN (2) U-BOLTS TO PROPERLY SECURE PIPING LOCATED APPROX. 7' AFF AND L.2- 17. ELEVATION 491' 6".	Disapproved	2nd Priority				CIVIL
3AR23	1162	363854	3AR23 Tier 12	NEED BOLT SUPPORT FEET BELOW PANEL 3AA-EJ-034 LOCATED COLUMN L.2- 16. ELEVATION 491' 6".	Disapproved	2nd Priority				CIVIL
3AR23	1162	363855	3AR23 Tier 12	STEP VARIATION EXCEEDS 1" ON STAIRS. ELEVATION 491' 6".	Disapproved	1st Priority				CIVIL
3AR23	1292	363882	3AR23 System, cable tray scope	UNISTRUT SUPPORTING CABLE TRAYS 31160TSR,THR @ ELE. 3588'-10" APPEARS TO BE BOWING - NOT ON BECHTEL SUPPLIED PUNCHLIST NOT INSPECTED - THERE IS NO CENTER SUPPORT PER BECHTELS ENGINEERING THIS IS INCOMPLETE, NOT READY	Disapproved	1st Priority	4/2/14 RLS 4/15/14 RLS 5/22/14 RLS			ELECT
3AR23	1292	363884	3AR23 System, cable tray scope	CABLES IN VERTICAL CABLE TRAY 31160TMB01 NEED TO BE SECURED - NOT ON BECHTEL SUPPLIED PUNCHLIST NOT INSPECTED - NO CHANGE	Disapproved	1st Priority	4/2/14 RLS 4/15/14 RLS 5/22/14 RLS			ELECT
3AR23	1292	363899	3AR23 System, cable tray scope	CABLE TRAY 31150TMB01 CABLES ENTERING 31150THR NEED EDGE PROTECTOR - NOT ON BECHTEL SUPPLIED PUNCHLIST NOT INSPECTED	Disapproved	1st Priority	4/2/14 RLS 4/15/14 RLS			ELECT
3AR23	1292	363900	3AR23 System, cable tray scope	CABLE TRAY 31150TMB05 NEEDS TO HAVE COVER INSTALLED - NOT ON BECHTEL SUPPLIED PUNCHLIST NOT INSPECTED	Disapproved	1st Priority	4/2/14 RLS 4/15/14 RLS			ELECT
3AR23	1292	363904	3AR23 System, cable tray scope	IMPROPERLY INSTALLED TEMPORARY CABLE @ EAST SIDE LOOPED THROUGH CONDUITS TERMINATING @ 31150THR,TSR VERTICAL CABLE TRAYS - NOT ON BECHTEL SUPPLIED PUNCHLIST NOT INSPECTED	Disapproved	1st Priority	4/2/14 RLS 4/15/14 RLS			ELECT
3AR23	1292	363905	3AR23 System, cable tray scope	"TEMPORARY"/PERMANENT FEEDED CABLES NOT INSTALLED IN CABLE TRAY @ WEST SIDE OF 31150TSR AND RUBBING INTO GROUND TERMINATION BOLTS - NOT ON BECHTEL SUPPLIED PUNCHLIST NOT INSPECTED	Disapproved	1st Priority	4/2/14 RLS 4/15/14 RLS			ELECT
3AR23	1292	363906	3AR23 System, cable tray scope	"TEMPORARY" FEEDER CABLE SUPPORT IMPROVISED @ WEST SIDE OF 31150TSR AND KELLEMS GRIPS BITING INTO INSULATION - NOT ON BECHTEL SUPPLIED PUNCHLIST NOT INSPECTED	Disapproved	1st Priority	4/2/14 RLS 4/15/14 RLS			ELECT
3AR23	1292	363907	3AR23 System, cable tray scope	VERTICAL CABLE TRAY 31150THR,TSR55-53 18" BETWEEN SUPPORTS - NOT ON BECHTEL SUPPLIED PUNCHLIST NOT INSPECTED	Disapproved	1st Priority	4/2/14 RLS 4/15/14 RLS			ELECT
3AR23	1292	363908	3AR23 System, cable tray scope	CABLE TRAY 31150THR55 CABLES INADEQUATELY SUPPORTED - NOT ON BECHTEL SUPPLIED PUNCHLIST NOT INSPECTED	Disapproved	1st Priority	4/2/14 RLS 4/15/14 RLS			ELECT
3AR24	1293	363918	3AR24 System, cable tray scope	INCOMPLETE SUPPORT NOTED @ 31170THR,TSR70 ELE. 3612'9" - NOT ON BECHTEL SUPPLIED PUNCHLIST NOT INSPECTED - NOT ON BECHTEL SUPPLIED PUNCH LIST	Disapproved	1st Priority	4/2/14 RLS 4/15/14 RLS 5/21/14 RLS			ELECT
3AR25	1164	362829	3AR25 Tier 14	ELECTRICAL CABLES NEED TO BE PUT INSIDE THE CABLE TRAY. LOCATED JUST WEST OF THE CABLE TRAY, ON THE SOUTH SIDE OF THE STAIRS. ELEVATION 536'-5". - NOT INSPECTED - NO INSPECTION REQUESTED BY BECHTEL - NOT COMPLETED - NOT DONE	Disapproved	1st Priority	4/15/14 RLS 5/22/14 RLS 5/23/14 MS 5/28/14 RLS			ELECT
3AR25	1294	363928	3AR25 System, cable tray scope	BEAM CLAMP MISSING FOR CANTILEVER SUPPORT @ 31180TMA55 - NOT ON BECHTEL SUPPLIED PUNCHLIST NOT INSPECTED - NOT DONE	Disapproved	1st Priority	4/2/14 RLS 4/15/14 RLS 5/22/14 RLS 5/28/14 RLS			ELECT
3AR25	1294	363934	3AR25 System, cable tray scope	CABLE TRAY NOT INSTALLED ON EITHER SIDE OF PNL.EC-EA-109 - NOT ON BECHTEL SUPPLIED PUNCHLIST NOT INSPECTED - NOT DONE	Disapproved	1st Priority	4/2/14 RLS 4/15/14 RLS 5/22/14 RLS 5/28/14 RLS			ELECT
3AR32	1177	362596	3AR32 - Solar Field Sector D	BENT GROUND GATE POLE LOCATED NN ROAD OF UNIT 3, BETWEEN AR32 AND AR33, AT THE GATE ON THE PERIMETER FENCE LINE.	Disapproved	1st Priority				CIVIL
3AR35	1066	364126	Unit 3 Access Rd 3AR35	TORTOISE FENCE JUST SOUTH OF THE UNIT 2 GATE NEEDS TO BE COMPLETED - NOT DONE	Disapproved	1st Priority	3/30/14 RLS			CIVIL

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3AR35	1066	364127	Unit 3 Access Rd 3AR35	PROVIDE PERMANENT SIGNAGE ON BOTH UNIT 2 AND 3 ELECTRICAL TRANSITION YARDS - NOT DONE	Disapproved	1st Priority	3/30/14 RLS			CIVIL
3AR35	1066	364132	Unit 3 Access Rd 3AR35	CATHODIC PROTECTION TEST LOCATIONS NEED TO BE PROTECTED.	Disapproved	1st Priority				ELECT
3AR35	1066	364225	Unit 3 Access Rd 3AR35	UNIT THREE ACCESS ROAD @ MAIN SWITCH YARD SOUTH SIDE OF COLOSSEUM ROAD: REPAIR GATE AND FENCE	Disapproved	2nd priority				CIVIL
3AR35	1066	364226	Unit 3 Access Rd 3AR35	UNIT THREE ACCESS ROAD @ MAIN SWITCH YARD SOUTH SIDE OF COLOSSEUM ROAD: REMOVE SPOIL	Disapproved	2nd priority				CIVIL
3AR35	1066	364227	Unit 3 Access Rd 3AR35	UNIT THREE ACCESS ROAD @ MAIN SWITCH YARD SOUTH SIDE OF COLOSSEUM ROAD: CORRECT CONDUCTOR TERMINATION COMING OUT OF DIRT - NOT DONE	Disapproved	2nd priority	3/30/14 RLS			ELECT
3BM1	863	257102	3BM1 Blowdown System Unit 3	RE-LOCATE CONDUIT 10 FEET BELOW 3-AA-HV-5620 SO IT DOES NOT GET INSULATED WITH NEARBY PIPING - NOT LOCATED	Disapproved	1st Priority	4/16/14 MS			ELECT
3BM2	1215	237083	System 3BM2 Blowdown System	GROUT SRSG BLOWDOWN COOLER FEET	Disapproved	2nd Priority				CIVIL
3EA3	871	87643	3EA3 Solar Field Transformer & Panels Unit 3	MISSING SCREW INSIDE 3-EA-EU-007	Disapproved	2nd Priority				ELECT
3EA4	873	359695	3EA4 Heliostat Field UPS System Unit 3	PROVIDE THE MOTOR CONTROL CENTER SCHEDULE & LOAD LIST FOR THE 480V ESSENTIAL MCC #1 - 3-EC-EC-3111	Disapproved	1st Priority				SU-ELECT
3EA4	873	359696	3EA4 Heliostat Field UPS System Unit 3	PROVIDE THE MOTOR CONTROL CENTER SCHEDULE & LOAD LIST FOR THE 480V COMMON AREA MCC - 3-EC-EC-3112	Disapproved	1st Priority				SU-ELECT
3EA4	873	359698	3EA4 Heliostat Field UPS System Unit 3	PROVIDE THE SCOPED SINGLE LINE METERING & RELAY DIAGRAM 125VDC, 480VAC & 120VAC UPS SYSTEMS DRAWING (25542-000-E15-ED-00001)	Disapproved	1st Priority				SU-ELECT
3EC3	737	85301	3EC3 SYSTEM, ACC MCC #2 AND TOWER MCC AND XFMR	CREATE PANEL SCHEDULE FOR 3ECE1050B - NO CHANGE	Disapproved	1st Priority	4/15/14 CG			ELECT
3EC5	739	363119	3EC5 SYSTEM, ACC MCC #3 AND #4 AND XFMRs	MCC 3-EC-EC-7211C SECTION 6, 3-AD-MA-301 ACC FAN STREET 3 MODULE A IS MISSING A RESET PUSHBUTTON	Disapproved	2nd Priority				SU-ELECT
3EC5	739	363120	3EC5 SYSTEM, ACC MCC #3 AND #4 AND XFMRs	MCC 3-EC-EC-7211C SECTION 6, 3-AD-MA-305 ACC FAN STREET 3 MODULE E IS MISSING A RESET PUSHBUTTON	Disapproved	2nd Priority				SU-ELECT
3EG1	881	363430	3EG1 Grounding Unit 3	LIGHTNING PROTECTION AT STG EEM NOT PER DESIGN, DOWN CABLES TO BE ON THEIR OWN WHIP. EG-2101-00002	Disapproved	1st Priority				ELECT
3EG1	881	363465	3EG1 Grounding Unit 3	COULD NOT VERIFY THE 2 EAST CONNECTIONS ON THE SOUTH FENCE (EXPOSE FOR INSPECTION) EG-3701-00001	Disapproved	1st Priority				ELECT
3EG1	881	367341	3EG1 Grounding Unit 3	25542-000-EG1-0000-00001 EQUIP. GRD NOTES 4.7 - ALL REMOVABLE HANDRAILS, LADDERS, STAIRWAYS AND NON-STRUCTURAL EXTERIOR METAL ELEMENTS SHALL BE BONDED TO GRID USING A #6 AWG MIN. COPPER CONDUCTOR.	Disapproved	1st Priority				
3EH3	1037	362362	3EH3 System, Unit 3 SRSG Tower Heat Trace	3-AE-PIT-0004-HE: GREEN TAGGED/NOT INSPECTED - BROKEN SEALTITE	Disapproved	1st Priority	4/17/14 CG			ELECT
3EH3	1037	367349	3-EH-EJP-205-01 UNIT-3 HEAT TRACED HOT/COLD JB	Not walked/inspected. Deleted per Bechtel Engineering 11.22.13	Disapproved	1st Priority				
3EL1	1128	367365	3-EL-EJ-213_UNIT 3 PSB AREA LIGHTING JB	Energized at time of inspection; de-energize for inspection 1/11/14 CG - NOT LOCATED	Disapproved	1st Priority	4/16/14 MS			
3EL2	1127	367372	3-EL-EJ-101_UNIT 3 SRSG LTG JB AT EL.3174 (UPS CKTS FROM EEM)	Energized at time of inspection; actual location 3483'-6" 1/11/14 CG	Disapproved	1st Priority				
3ES1	733	255192	3ES1 SYSTEM, ESSENTIAL SERVICES SWITCHGEAR	INSTALL CAPTIVE NUTS ON THE BACKSIDE OF THE 33 KV. - NO CHANGE	Disapproved	2nd Priority	4/16/14 CG			ELECT
3EW2	896	360468	3EW2 Welding Recept SRSG U3	3-EW-EJ-105: FOUR (4) GROUNDS ON SAME BOLT IN CABINET. MAX ALLOWED IS TWO (2).	Disapproved	1st Priority	4/7/14 TV			SU-ELECT
3EY1	899	255219	3EY1 GSU & Aux XFMR & Gen Breaker U3	VERIFY 3-EY-EJ-002 IS INSTALLED CORRECTLY. RE-WALK WITH NRG.	Disapproved	1st Priority				SU-ELECT
3EY2	900	359722	3EY2 Generator, Excitation & NGR U3	3-EZ-ANT-002: NOT INSTALLED IN LOCATION PER DESIGN. INSTALL RELAY PANEL GPS ANTENNA. - NO CHANGE	Disapproved	1st Priority	4/16/14 CG			SU-ELECT
3EY2	900	359728	3EY2 Generator, Excitation & NGR U3	3-EY-ET-003: ALL THREADED CGBS MISSING TO CONNECTION BOX FOR CTS - NO CHANGE - UNABLE TO VERIFY - ENERGIZED	Disapproved	1st Priority	4/16/14 CG			SU-ELECT
3EY3	901	255241	3EY3 115KV Switchyard U3	VERIFY 3-EZ-SRG-001 IS INSTALLED CORRECTLY IN PSB VAULT. REWALK WITH NRG.	Disapproved	1st Priority				SU-ELECT
3FG1	904	237234	System 3FG1, Fuel Gas System, Unit 3.	ACC MCC #4 208/120VAC PANELBOARD: BREAKER FOR FUEL GAS HEATER CONTROL PANEL IS NOT ON IN MCC. IT IS BELIEVED THIS IS RUNNING DIRECTLY OFF 480 BREAKER. REMOVE/REDLINE PANEL SCHEDULE AND MARK AS SPARE.	Disapproved	1st Priority				SU-ELECT
3FG1	904	237235	System 3FG1, Fuel Gas System, Unit 3.	STG MCC #1 208/120VAC PANELBOARD: INSTALL PANEL SCHEDULE - INCORRECT SCHEDULE - NO CHANGE	Disapproved	1st Priority	4/15/14 CG			SU-ELECT
3FG1	904	237236	System 3FG1, Fuel Gas System, Unit 3.	STG MCC #1 208/120VAC PANELBOARD: VERIFY BREAKER FOR FUEL GAS SUPPLY FLOW TRANSMITTER IS ACCEPTABLE. LOOKED UP PANEL SCHEDULE 3-EC-EC-00002, CABLE/BREAKER WAS NOT SHOWN FOR FIT-0008.	Disapproved	1st Priority				SU-ELECT
3FG1	904	237237	System 3FG1, Fuel Gas System, Unit 3.	HOUSEKEEPING/REMOVE DEBRIS OFF AND AROUND 3-FG-MS-001	Disapproved	2nd Priority				CIVIL
3FG1	904	237248	System 3FG1, Fuel Gas System, Unit 3.	LOOSE UNION ON 3-FG-TE-0082	Disapproved	1st Priority				INSTR
3FG1	904	237249	System 3FG1, Fuel Gas System, Unit 3.	MISSING VALVE HANDLE ON 3-FG-ME-001 DRAIN VALVE	Disapproved	2nd Priority				PIPING
3FG1	904	237250	System 3FG1, Fuel Gas System, Unit 3.	MISSING VALVE HANDLE ON VALVE FOR 3-FG-PI-0032	Disapproved	2nd Priority				PIPING
3FG1	904	237264	System 3FG1, Fuel Gas System, Unit 3.	U-BOLT LOOSE ON PIPE SUPPORT 003-PH-FG-0003	Disapproved	1st Priority				PIPING

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3FG1	904	237266	System 3FG1 , Fuel Gas System , Unit 3.	LOOSE U-BOLT AND MISSING NUTS ON PIPE SUPPORT ADJACANT TO 003-PH-FG-0513	Disapproved	2nd Priority				PIPING
3FG1	904	237267	System 3FG1 , Fuel Gas System , Unit 3.	LOOSE U-BOLT ON PIPE SUPPORT 003-PH-FG-0510	Disapproved	2nd Priority				PIPING
3FG1	904	237269	System 3FG1 , Fuel Gas System , Unit 3.	INSTALL GATE ON FUEL GAS SKID PLATFORM	Disapproved	1st Priority				CIVIL
3FG1	904	237270	System 3FG1 , Fuel Gas System , Unit 3.	LOOSE UNION ON 3-FG-TE-0004	Disapproved	2nd Priority				INSTR
3FL1	1147	359791	System 3FL1 Lube Oil System	PIPE SUPPORT 3-PH-FL-0504 HAS A LOOSE CLAMP	Disapproved	1st Priority				PIPING
3FL1	1147	359805	System 3FL1 Lube Oil System	LOOSE PIPE SUPPORT CLAMPS (2) ON 3-PH-FL-0507	Disapproved	1st Priority				PIPING
3FL1	1147	359820	System 3FL1 Lube Oil System	SHIM PIPE SUPPORT DOWNSTREAM PF FLOW INDICATOR MAV16CF005	Disapproved	2nd Priority				PIPING
3FL1	1147	359822	System 3FL1 Lube Oil System	CHECK PIPE STRESS ON MAV23, MAV22, MAV21	Disapproved	2nd Priority				PIPING
3FL1	1147	359823	System 3FL1 Lube Oil System	RESOLVE OIL DISCHARGE FROM MIST ELIMINATOR FAN VENT	Disapproved	2nd Priority				MECH
3FL2	902	359848	System 3FL2 ,Boiler Feed/ Turbine Lube Oil, Unit3.	MIST ELIMINATOR FANS NEED OUTLET ROUTED TO A SAFE LOCATION	Disapproved	2nd Priority				MECH
3FL3	1198	359855	System 3FL3, STG Control Oil Supply	MISSING PRESSURE INDICATOR P1MAX35CP550 ON CONTROL OIL SUPPLY SYSTEM	Disapproved	2nd Priority				SU-INSTR
3HA1	1122	367392	3-HA-ET-003_UNIT 3 SKY-CLIMBER 480/230V TRANSFORMER	Secondary lugs need to be relocated to front of bussbar,bond bushings 1/10/14 CG	Disapproved	1st Priority				
3JA1	898	257030	System 3JA1 ,Steam/Water Analysis System ,Unit 3.	MISSING SCREWS/SIDE COVER LOOSE ON MAIN SWAS BUILDING CHILLER 3-JA-ME-001	Disapproved	1st Priority				SU-MECH
3JA1	898	257031	System 3JA1 ,Steam/Water Analysis System ,Unit 3.	ROUTE MAIN SWAS BUILDING HVAC UNIT CONDENSATE DRAIN TO AN APPROVED LOCATION	Disapproved	2nd Priority				PE
3JA1	898	257035	System 3JA1 ,Steam/Water Analysis System ,Unit 3.	INSTALL ALL MISSING EQUIPMENT ABOVE ION EXCHANGER FOR SP1 & SP2	Disapproved	1st Priority				SU-MECH
3JD1	892	255382	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-CJC-322 REAR: MISSING TERMINAL STRIP NUMBERS	Disapproved	2nd Priority				SU-DCS
3JD1	892	255385	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-CJC-323 FRONT: REMOVE ALL DEBRIS	Disapproved	2nd Priority				SU-DCS
3JD1	892	255386	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-CJC-323 REAR: REMOVE ALL DEBRIS	Disapproved	2nd Priority				SU-DCS
3JD1	892	255387	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-CJC-323 REAR: INSTALL WIREWAY COVERS	Disapproved	2nd Priority				SU-DCS
3JD1	892	255388	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-CJC-323 REAR: SEAL CONDUIT/FLOOR PENETRATIONS (CURRENT SEAL IS INCOMPLETE AND INCORRECT MATERIAL)	Disapproved	2nd Priority	4/7/14 TV			SU-DCS
3JD1	892	255389	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-CJC-323 REAR: MISSING TERMINAL STRIP NUMBERS	Disapproved	2nd Priority				SU-DCS
3JD1	892	255390	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-CJC-340 FRONT: REMOVE ALL DEBRIS	Disapproved	2nd Priority				SU-DCS
3JD1	892	255391	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-CJC-340 REAR: REMOVE ALL DEBRIS	Disapproved	2nd Priority				SU-DCS
3JD1	892	255393	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-CJC-350 FRONT: REMOVE ALL DEBRIS	Disapproved	2nd Priority				SU-DCS
3JD1	892	255394	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-CJC-350 REAR: REMOVE ALL DEBRIS	Disapproved	2nd Priority				SU-DCS
3JD1	892	255395	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-CJC-350 REAR: INSTALL WIREWAY COVERS	Disapproved	2nd Priority				SU-DCS
3JD1	892	255396	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-CJC-350 REAR: SEAL CONDUIT/FLOOR PENETRATIONS (CURRENT SEAL IS INCOMPLETE AND INCORRECT MATERIAL)	Disapproved	2nd Priority				SU-DCS
3JD1	892	255397	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-CJC-351 FRONT: REMOVE ALL DEBRIS	Disapproved	2nd Priority				SU-DCS
3JD1	892	255398	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-CJC-351 REAR: REMOVE ALL DEBRIS	Disapproved	2nd Priority				SU-DCS
3JD1	892	255399	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-CJC-351 REAR: SEAL CONDUIT/FLOOR PENETRATIONS (CURRENT SEAL IS INCOMPLETE AND INCORRECT MATERIAL)	Disapproved	2nd Priority	4/7/14 TV			SU-DCS
3JD1	892	255402	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-CJC-355 FRONT: INSTALL WIREWAY COVERS	Disapproved	2nd Priority				SU-DCS
3JD1	892	255404	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-CJC-355 REAR: RE-TERM CONTROL WIRE AT XDA8.K9.14	Disapproved	1st Priority				SU-DCS
3JD1	892	255405	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-CRY-001 FRONT: REMOVE ALL DEBRIS	Disapproved	2nd Priority				SU-DCS
3JD1	892	255406	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-CRY-001 FRONT: INSTALL WIREWAY COVERS	Disapproved	2nd Priority				SU-DCS
3JD1	892	255407	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-CRY-001 FRONT: FIX BROKEN DOOR LATCH	Disapproved	2nd Priority				SU-DCS
3JD1	892	255410	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-CRY-001 REAR: SEAL CONDUIT/FLOOR PENETRATIONS (CURRENT SEAL IS INCOMPLETE AND INCORRECT MATERIAL)	Disapproved	2nd Priority				SU-DCS
3JD1	892	255413	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-CRY-002 FRONT: REMOVE ALL DEBRIS	Disapproved	2nd Priority				SU-DCS
3JD1	892	255414	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-CRY-002 REAR: REMOVE ALL DEBRIS	Disapproved	2nd Priority				SU-DCS
3JD1	892	255415	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-CRY-002 REAR: INSTALL WIREWAY COVERS	Disapproved	2nd Priority				SU-DCS
3JD1	892	255416	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-CRY-002 REAR: SEAL CONDUIT/FLOOR PENETRATIONS (CURRENT SEAL IS INCOMPLETE AND INCORRECT MATERIAL)	Disapproved	2nd Priority				SU-DCS
3JD1	892	255431	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	COMPLETE WALKDOWN OF 3-JD-ATN-0001, UNIT 3 GPS ANTENNA. - MISSING DRIP LOOP	Disapproved	1st Priority	4/6/14 MS			SU-DCS
3JD1	892	255432	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	COMPLETE WALKDOWN OF 3-JD-ATN-0001-EJB, UNIT 3 SURGE ARRESTOR FOR GPS ANTENNA. NOT VERIFIED	Disapproved	1st Priority	4/6/14 MS			SU-DCS
3JD1	892	255449	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-JD-MON-003A-1: RELOCATE TO COMMON AREA CONTROL ROOM PER DESIGN.	Disapproved	2nd Priority				SU-DCS
3JD1	892	255450	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-JD-MON-003A-2: RELOCATE TO COMMON AREA CONTROL ROOM PER DESIGN.	Disapproved	2nd Priority				SU-DCS
3JD1	892	255451	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-JD-MON-003B-1: RELOCATE TO COMMON AREA CONTROL ROOM PER DESIGN.	Disapproved	2nd Priority				SU-DCS
3JD1	892	255452	System 3JD1 ,PSB DCS Cabinets , Unit 3 & Admin Bld	3-JD-MON-003B-2: RELOCATE TO COMMON AREACONTROL ROOM PER DESIGN.	Disapproved	2nd Priority				SU-DCS
3JD1	892	367401	3-JD-CPL-002_UNIT 3 CCR AUX CONTROL PANEL	Not walked/inspected.	Disapproved	1st Priority				
3JD1	892	367403	3-JD-STN-0004_UNIT 3 THIN CLIENT 4 (SOS ENG STATION)	See 3JD1 Punch List 9/21/2013 SH	Disapproved	1st Priority				
3JD2	889	257558	System 3JD2 , DCS for ACC , Unit 3.	3-CJC-331 REAR: MISSING WIREWAY COVERS	Disapproved	2nd Priority				SU-DCS

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3JD2	889	257559	System 3JD2 , DCS for ACC , Unit 3.	3-CJC-331 REAR: SEAL CONDUIT AT CABINET (ALLOW CABINET VENT SYSTEM TO WORK PROPERLY)	Disapproved	2nd Priority				SU-DCS
3JD2	889	257560	System 3JD2 , DCS for ACC , Unit 3.	3-CJC-331 REAR: REMOVE ALL DEBRIS/VACUUM	Disapproved	2nd Priority				SU-DCS
3JD2	889	257562	System 3JD2 , DCS for ACC , Unit 3.	3-CJC-331 FRONT: RELOCATE GROUNDS FROM MOUNTING BOLTS TO BUS BOLTS	Disapproved	1st Priority				SU-DCS
3JD2	889	257563	System 3JD2 , DCS for ACC , Unit 3.	3-CJC-331 FRONT: REMOVE ALL DEBRIS/VACUUM	Disapproved	2nd Priority				SU-DCS
3JD2	889	257565	System 3JD2 , DCS for ACC , Unit 3.	3-CJC-332 REAR: MISSING WIREWAY COVERS	Disapproved	2nd Priority				SU-DCS
3JD2	889	257566	System 3JD2 , DCS for ACC , Unit 3.	3-CJC-332 REAR: SEAL CONDUIT AT CABINET (ALLOW CABINET VENT SYSTEM TO WORK PROPERLY)	Disapproved	2nd Priority				SU-DCS
3JD2	889	257567	System 3JD2 , DCS for ACC , Unit 3.	3-CJC-332 REAR: REMOVE ALL DEBRIS/VACUUM	Disapproved	2nd Priority				SU-DCS
3JD2	889	257570	System 3JD2 , DCS for ACC , Unit 3.	3-CJC-332 FRONT: REMOVE ALL DEBRIS/VACUUM	Disapproved	2nd Priority				SU-DCS
3JD2	889	257571	System 3JD2 , DCS for ACC , Unit 3.	3-CJC-333 REAR: MISSING WIREWAY COVERS	Disapproved	2nd Priority				SU-DCS
3JD2	889	257572	System 3JD2 , DCS for ACC , Unit 3.	3-CJC-333 REAR: SEAL CONDUIT AT CABINET (ALLOW CABINET VENT SYSTEM TO WORK PROPERLY)	Disapproved	2nd Priority				SU-DCS
3JD2	889	257573	System 3JD2 , DCS for ACC , Unit 3.	3-CJC-333 REAR: REMOVE ALL DEBRIS/VACUUM	Disapproved	2nd Priority				SU-DCS
3JD2	889	257576	System 3JD2 , DCS for ACC , Unit 3.	3-CJC-334 REAR: MISSING WIREWAY COVERS	Disapproved	2nd Priority				SU-DCS
3JD2	889	257577	System 3JD2 , DCS for ACC , Unit 3.	3-CJC-334 REAR: SEAL CONDUIT AT CABINET (ALLOW CABINET VENT SYSTEM TO WORK PROPERLY)	Disapproved	2nd Priority				SU-DCS
3JD2	889	257578	System 3JD2 , DCS for ACC , Unit 3.	3-CJC-334 REAR: REMOVE ALL DEBRIS/VACUUM	Disapproved	2nd Priority				SU-DCS
3JD2	889	257580	System 3JD2 , DCS for ACC , Unit 3.	3-CJC-334 REAR: TAPE ALL SPARE WIRES	Disapproved	2nd Priority				SU-DCS
3JD2	889	257581	System 3JD2 , DCS for ACC , Unit 3.	3-CJC-334 REAR: REPLACE LIGHT. DOES NOT WORK.	Disapproved	2nd Priority				SU-DCS
3JD2	889	257582	System 3JD2 , DCS for ACC , Unit 3.	3-CJC-334 FRONT: RELOCATE GROUNDS FROM MOUNTING BOLTS TO BUS BOLTS	Disapproved	2nd Priority				SU-DCS
3JD3	886	257003	System 3JD3 ,STG DCS , Unit 3.	3-CJC-326: RE-TERM ALL WIRES TO TERMINAL BLOCK XBA8. TOO MUCH COPPER SHOWING	Disapproved	1st Priority				ELECT
3JD3	886	257613	System 3JD3 ,STG DCS , Unit 3.	3-CJC-324 REAR: MISSING WIREWAY COVERS	Disapproved	2nd Priority				SU-DCS
3JD3	886	257614	System 3JD3 ,STG DCS , Unit 3.	3-CJC-324 REAR: SEAL CONDUIT AT CABINET (ALLOW CABINET VENT SYSTEM TO WORK PROPERLY)	Disapproved	2nd Priority				SU-DCS
3JD3	886	257615	System 3JD3 ,STG DCS , Unit 3.	3-CJC-324 REAR: REMOVE ALL DEBRIS/VACUUM	Disapproved	2nd Priority				SU-DCS
3JD3	886	257616	System 3JD3 ,STG DCS , Unit 3.	3-CJC-324 REAR: MISSING TERMINAL STRIP NUMBERS	Disapproved	2nd Priority				SU-DCS
3JD3	886	257617	System 3JD3 ,STG DCS , Unit 3.	3-CJC-324 REAR: TAPE ALL SPARE WIRES	Disapproved	2nd Priority				SU-DCS
3JD3	886	257618	System 3JD3 ,STG DCS , Unit 3.	3-CJC-324 FRONT: RELOCATE GROUNDS FROM MOUNTING BOLTS TO BUS BOLTS	Disapproved	1st Priority	4/7/14 TV			SU-DCS
3JD3	886	257619	System 3JD3 ,STG DCS , Unit 3.	3-CJC-324 FRONT: REMOVE ALL DEBRIS/VACUUM	Disapproved	2nd Priority				SU-DCS
3JD3	886	257620	System 3JD3 ,STG DCS , Unit 3.	3-CJC-324 FRONT: SEAL CONDUIT AT CABINET (ALLOW CABINET VENT SYSTEM TO WORK PROPERLY)	Disapproved	2nd Priority				SU-DCS
3JD3	886	257621	System 3JD3 ,STG DCS , Unit 3.	3-CJC-325 REAR: MISSING WIREWAY COVERS	Disapproved	2nd Priority				SU-DCS
3JD3	886	257622	System 3JD3 ,STG DCS , Unit 3.	3-CJC-325 REAR: SEAL CONDUIT AT CABINET (ALLOW CABINET VENT SYSTEM TO WORK PROPERLY)	Disapproved	2nd Priority				SU-DCS
3JD3	886	257623	System 3JD3 ,STG DCS , Unit 3.	3-CJC-325 REAR: REMOVE ALL DEBRIS/VACUUM	Disapproved	2nd Priority				SU-DCS
3JD3	886	257624	System 3JD3 ,STG DCS , Unit 3.	3-CJC-325 REAR: MISSING TERMINAL STRIP NUMBERS	Disapproved	2nd Priority				SU-DCS
3JD3	886	257625	System 3JD3 ,STG DCS , Unit 3.	3-CJC-325 FRONT: REMOVE ALL DEBRIS/VACUUM	Disapproved	2nd Priority				SU-DCS
3JD3	886	257626	System 3JD3 ,STG DCS , Unit 3.	3-CJC-325 FRONT: SEAL CONDUIT AT CABINET (ALLOW CABINET VENT SYSTEM TO WORK PROPERLY)	Disapproved	2nd Priority				SU-DCS
3JD3	886	257628	System 3JD3 ,STG DCS , Unit 3.	3-CJC-326 REAR: SEAL CONDUIT AT CABINET (ALLOW CABINET VENT SYSTEM TO WORK PROPERLY)	Disapproved	2nd Priority				SU-DCS
3JD3	886	257629	System 3JD3 ,STG DCS , Unit 3.	3-CJC-326 REAR: REMOVE ALL DEBRIS/VACUUM	Disapproved	2nd Priority				SU-DCS
3JD3	886	257633	System 3JD3 ,STG DCS , Unit 3.	3-CJC-326 FRONT: REMOVE ALL DEBRIS/VACUUM	Disapproved	2nd Priority				SU-DCS
3JD3	886	257634	System 3JD3 ,STG DCS , Unit 3.	3-CJC-326 FRONT: SEAL CONDUIT AT CABINET (ALLOW CABINET VENT SYSTEM TO WORK PROPERLY)	Disapproved	2nd Priority				SU-DCS
3JD3	886	257635	System 3JD3 ,STG DCS , Unit 3.	3-CJC-326 FRONT: MISSING WIREWAY COVERS	Disapproved	2nd Priority				SU-DCS
3JD3	886	257636	System 3JD3 ,STG DCS , Unit 3.	3-CJC-327 REAR: MISSING WIREWAY COVERS	Disapproved	2nd Priority				SU-DCS
3JD3	886	257637	System 3JD3 ,STG DCS , Unit 3.	3-CJC-327 REAR: SEAL CONDUIT AT CABINET (ALLOW CABINET VENT SYSTEM TO WORK PROPERLY)	Disapproved	2nd Priority				SU-DCS
3JD3	886	257638	System 3JD3 ,STG DCS , Unit 3.	3-CJC-327 REAR: REMOVE ALL DEBRIS/VACUUM	Disapproved	2nd Priority				SU-DCS
3JD3	886	257640	System 3JD3 ,STG DCS , Unit 3.	3-CJC-327 REAR: WRONG SIZE WIRES IN CONTROL WIRE APPLICATIONS	Disapproved	2nd Priority				SU-DCS
3JD3	886	257641	System 3JD3 ,STG DCS , Unit 3.	3-CJC-327 FRONT: RELOCATE GROUNDS FROM MOUNTING BOLTS TO BUS BOLTS	Disapproved	1st Priority	4/7/14 TV			SU-DCS
3JD3	886	257642	System 3JD3 ,STG DCS , Unit 3.	3-CJC-327 FRONT: REMOVE ALL DEBRIS/VACUUM	Disapproved	2nd Priority				SU-DCS
3JD3	886	257643	System 3JD3 ,STG DCS , Unit 3.	3-CJC-327 FRONT: SEAL CONDUIT ON TOP OF CABINET	Disapproved	2nd Priority				SU-DCS
3JD3	886	257644	System 3JD3 ,STG DCS , Unit 3.	3-CJC-327 FRONT: MISSING WIREWAY COVERS	Disapproved	2nd Priority				SU-DCS
3JD3	886	257653	System 3JD3 ,STG DCS , Unit 3.	3-JD-EJJ-221: WIRES NOT TERMED	Disapproved	1st Priority	4/7/14 TV			SU-DCS
3JD3	886	257654	System 3JD3 ,STG DCS , Unit 3.	3-JD-EJJ-221: LABEL ALL CABLES	Disapproved	2nd Priority				SU-DCS
3JD3	886	257655	System 3JD3 ,STG DCS , Unit 3.	3-JD-EJJ-221: MISSING TERMINAL BLOCK	Disapproved	2nd Priority				SU-DCS
3JD3	886	257657	System 3JD3 ,STG DCS , Unit 3.	3-JD-EJJ-221: REMOVE ALL DEBRIS/DUST	Disapproved	2nd Priority				SU-DCS
3JD3	886	367404	3-JD-EJJ-221_UNIT 3 STG EEM MULTI MODE FO PATCH PNL (12X6)	Not walked/inspected.	Disapproved	1st Priority				

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3JD4	884	257266	System 3JD4 , Unit 3 Solar Field ,PSB & Admin Bldg	INSTALL 3EA52AXP/AXQ IN CONDUIT, CABLES ARE EXPOSED	Disapproved	2nd Priority				ELECT
3JD4	884	257336	System 3JD4 , Unit 3 Solar Field ,PSB & Admin Bldg	INSTALL PERMANENT POWER TO WEATHER STATION 3-JS-CAF-3010	Disapproved	1st Priority				ELECT
3JD4	884	257337	System 3JD4 , Unit 3 Solar Field ,PSB & Admin Bldg	INSTALL PERMANENT POWER TO WEATHER STATION 3-JS-CAF-3020	Disapproved	1st Priority				ELECT
3JD4	884	257338	System 3JD4 , Unit 3 Solar Field ,PSB & Admin Bldg	INSTALL PERMANENT POWER TO WEATHER STATION 3-JS-CAF-3030	Disapproved	1st Priority				ELECT
3JD4	884	257339	System 3JD4 , Unit 3 Solar Field ,PSB & Admin Bldg	INSTALL PERMANENT POWER TO WEATHER STATION 3-JS-CAF-3040	Disapproved	1st Priority				ELECT
3JD4	884	367405	3-EC-EA-371-E1_UNIT 3 208/120VAC ESSENTIAL PANEL E1 (PSB BLDG.)	10/31/13 CG Revise panel schedule	Disapproved	1st Priority				
3JD5	883	59014	System 3JD5 ,Water Treatment DCS , Unit 3.	THIS IS FOR SYSTEM 3JD5 WALK DOWN: NEED APPROVED SINGLE LINES, ALL FIBER CABLES HAVE NOT BEEN TERMINATED IN CABINET 03CJ337 THE RINGS ON THE CHASE NOPPLE NEED TIGHTENED TO ACHIEVE AN EFFECTIVE GROUND.	Disapproved	1st Priority				ELECT
3JD5	883	64921	System 3JD5 ,Water Treatment DCS , Unit 3.	SHIELDS IN 3-CJC-338/337 NEEDS TO BE INSULATED OR ISOLATED FROM BACK PANEL.	Disapproved	2nd Priority				ELECT
3JD5	883	257660	System 3JD5 ,Water Treatment DCS , Unit 3.	3-CJC-354: REMOVE ALL DEBRIS/HOUSEKEEPING	Disapproved	2nd Priority				SU-DCS
3JD5	883	257661	System 3JD5 ,Water Treatment DCS , Unit 3.	3-CJC-354: MISSING 6" OF WIREWAY COVER	Disapproved	2nd Priority				SU-DCS
3JD5	883	257662	System 3JD5 ,Water Treatment DCS , Unit 3.	3-CJC-354: SEAL PENETRATIONS ON TOP OF CABINET (ALLOW CABINET VENT SYSTEM TO WORK PROPERLY)	Disapproved	2nd Priority				SU-DCS
3JD5	883	257663	System 3JD5 ,Water Treatment DCS , Unit 3.	3-CJC-337: 3EL03ASA IS NOT TERMED	Disapproved	2nd Priority				SU-DCS
3JD5	883	257664	System 3JD5 ,Water Treatment DCS , Unit 3.	3-CJC-337 FRONT: MISSING WIREWAY COVERS	Disapproved	2nd Priority				SU-DCS
3JD5	883	257665	System 3JD5 ,Water Treatment DCS , Unit 3.	3-CJC-337 FRONT: SEAL FLOOR PENETRATIONS	Disapproved	2nd Priority				SU-DCS
3JD5	883	257666	System 3JD5 ,Water Treatment DCS , Unit 3.	3-CJC-337 FRONT: REMOVE ALL DEBRIS/VACUUM	Disapproved	2nd Priority				SU-DCS
3JD5	883	257667	System 3JD5 ,Water Treatment DCS , Unit 3.	3-CJC-337 REAR: MISSING WIREWAY COVERS	Disapproved	2nd Priority				SU-DCS
3JD5	883	257668	System 3JD5 ,Water Treatment DCS , Unit 3.	3-CJC-337 REAR: SEAL FLOOR PENETRATIONS	Disapproved	2nd Priority				SU-DCS
3JD5	883	257669	System 3JD5 ,Water Treatment DCS , Unit 3.	3-CJC-337 REAR: REMOVE ALL DEBRIS/VACUUM	Disapproved	2nd Priority				SU-DCS
3JD5	883	257671	System 3JD5 ,Water Treatment DCS , Unit 3.	3-CJC-337 REAR: SEAL CONDUIT AT CABINET (ALLOW CABINET VENT SYSTEM TO WORK PROPERLY)	Disapproved	2nd Priority				SU-DCS
3JD5	883	257672	System 3JD5 ,Water Treatment DCS , Unit 3.	3-CJC-338 FRONT: REMOVE ALL DEBRIS/VACUUM	Disapproved	2nd Priority				SU-DCS
3JD5	883	257674	System 3JD5 ,Water Treatment DCS , Unit 3.	3-CJC-338 REAR: MISSING WIREWAY COVERS	Disapproved	2nd Priority				SU-DCS
3JD5	883	257675	System 3JD5 ,Water Treatment DCS , Unit 3.	3-CJC-338 REAR: SEAL CONDUIT AT CABINET (ALLOW CABINET VENT SYSTEM TO WORK PROPERLY)	Disapproved	2nd Priority				SU-DCS
3JD5	883	257676	System 3JD5 ,Water Treatment DCS , Unit 3.	3-CJC-338 REAR: REMOVE ALL DEBRIS/VACUUM	Disapproved	2nd Priority				SU-DCS
3JD5	883	257679	System 3JD5 ,Water Treatment DCS , Unit 3.	3-CJC-338 REAR: RE-TERM XDA7.14 GRAY WIRE. WIRE IS PULLED TOO TIGHT.	Disapproved	2nd Priority				SU-DCS
3JD5	883	257682	System 3JD5 ,Water Treatment DCS , Unit 3.	3-JD-EJJ-711: CAP ALL SPARES	Disapproved	2nd Priority				SU-DCS
3JD5	883	257683	System 3JD5 ,Water Treatment DCS , Unit 3.	3-JD-EJJ-711: RELOCATE SPARES SO THERE DO NOT HANG OUT OF PANEL	Disapproved	2nd Priority				SU-DCS
3JD5	883	367407	2-CJC-254_UNIT 2 SRSG TWR ELEC. MOD. ESD IO CAB 154	Not walked/inspected.	Disapproved	1st Priority				
3JD7		257241		FOAM PENETRTION ON 3EAJ003 A/B	Disapproved	2nd Priority				ELECT
3JD7		257244		VACUUM PANEL 3EAJ005A/B	Disapproved	2nd Priority				ELECT
3JD7		257248		INSTALL KEEPER ON BOTH BOLTS INSIDE OF CABINET 3EAJ007A	Disapproved	2nd Priority				ELECT
3JD9	1069	258035	3JD9 System, Unit 3 DCS Comm System	3-CJC-361: PROTECT/COVER ALL CABLES BELOW CABINET - EVIDENCE OF PRIOR INSTALLATION - REMOVED BY INSULATORS - DISPUTED	Disapproved	2nd Priority	4/15/14 CG 5/14/14 MS			SU-DCS
3JD9	1069	258041	3JD9 System, Unit 3 DCS Comm System	3-CJC-362: PROTECT/COVER ALL CABLES BELOW CABINET - EVIDENCE OF PRIOR INSTALLATION - REMOVED BY INSULATORS - DISPUTED	Disapproved	2nd Priority	4/15/14 CG 5/14/14 MS			SU-DCS
3PA1	877	256030	Systems 3PA1 & 3PA2 ,Pressurized Air , Unit 3	3-EC-EC-7111B-07FH: RE-TERM A AND B PHASE - LOTO OUT FOR INSPECTION	Disapproved	1st Priority	5/15/14 MS 5/20/14 JS			ELECT
3PA2	877	255297	Systems 3PA1 & 3PA2 ,Pressurized Air , Unit 3	LEAKING THREADED UNION ON MANIFOLD 17	Disapproved	1st Priority				SU-MECH
3PA2	877	255300	Systems 3PA1 & 3PA2 ,Pressurized Air , Unit 3	REMOVE TEMPORARY CONNECTION OFF 3-PA-MV-005 AT 3-PA-V-078. RESTORE PERMANENT CONFIGURATION.	Disapproved	2nd Priority				SU-MECH
3PA2	877	255305	Systems 3PA1 & 3PA2 ,Pressurized Air , Unit 3	LEAKING THREADED UNION DOWNSTREAM OF 3-PA-V-332	Disapproved	1st Priority				SU-MECH
3PA2	877	255308	Systems 3PA1 & 3PA2 ,Pressurized Air , Unit 3	LEAKING THREADED UNION ON MANIFOLD 37	Disapproved	1st Priority				SU-MECH
3PA2	877	255310	Systems 3PA1 & 3PA2 ,Pressurized Air , Unit 3	MISSING HOSE FITTING ON SRSG TOWER LEVEL 1 BRANCH OFF 3-PA-007	Disapproved	2nd Priority				PIPING
3PF1	874	255244	System 3PF1 , Fire Protection Water , Unit 3.	REMOVE TEMPORARY HOSE AND RESTORE PERMANENT CONNECTION ON 3-PF-V-801	Disapproved	2nd Priority				SU-MECH
3PF1	874	255247	System 3PF1 , Fire Protection Water , Unit 3.	FIRE PUMP HOUSE ELECTRIC SIDE DOOR DOES NOT LATCH	Disapproved	1st Priority				CIVIL
3PF1	874	255248	System 3PF1 , Fire Protection Water , Unit 3.	HOUSEKEEPING IN FIRE PUMP HOUSE ELECTRIC SIDE	Disapproved	2nd Priority				CIVIL
3PF1	874	255249	System 3PF1 , Fire Protection Water , Unit 3.	INSTALL FDC SIGN OUTSIDE THE FIRE PUMP HOUSE	Disapproved	1st Priority				CIVIL
3PF1	874	255250	System 3PF1 , Fire Protection Water , Unit 3.	INSTALL ELECTRIC FIRE PUMP SIGNAGE ON BUILDING	Disapproved	1st Priority				CIVIL
3PF1	874	255251	System 3PF1 , Fire Protection Water , Unit 3.	INSTALL DIESEL FIRE PUMP SIGNAGE ON BUILDING	Disapproved	1st Priority				CIVIL
3PF1	874	255263	System 3PF1 , Fire Protection Water , Unit 3.	BALLARD IS UNDER 3 FEET REQUIRED DISTANCE FROM HYDRANT 3-PF-PY-002	Disapproved	1st Priority				CIVIL
3PF1	874	255264	System 3PF1 , Fire Protection Water , Unit 3.	DOOR LATCH BROKEN NEXT TO 3-PF-PY-008	Disapproved	1st Priority				CIVIL
3PF1	874	255265	System 3PF1 , Fire Protection Water , Unit 3.	THERE IS NOT 18 INCHES CLEAR GRADE IN FRONT OF HYDRANT 3-PF-PY-004	Disapproved	1st Priority				CIVIL

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3PF1	874	255266	System 3PF1 , Fire Protection Water , Unit 3.	VERIFY CLEARANCE REQUIRED OF PIVS. MULTIPL PIVS HAVE UNDER 3 FOOT CLEARANCE FROM BALLARDS. [V-038, V-042]	Disapproved	1st Priority				CIVIL
3PF1	874	367409	3-EC-EC-7111A-06FK_UNIT 3 WT MCC A: FIRE WATER PUMP ENCL. PANEL (UPP)	Reterrmination -shorten- feeders needed; to be moved to another system per Q. Oyentunji of Bechtel 11/14/13 CG - NO CHANGE C ph RETERM	Disapproved	2nd Priority	4/16/14 CG			
3PF1	874	367410	3-PF-EAA-001_UNIT-3 FIRE WATER PMP ENCL. LOADCENTER (UPP)	Energized at time of inspection; de-energize for inspection 9/5/13 CG Courtesy inspection with concerns of full engagement of #2 ground and copper above partition at feeders, relayed to Isabel. At the rework of supplying bucket call for complete inspection.	Disapproved	1st Priority	5/1/14 MS			
3PF3	870	255275	System 3PF3 ,Deluge system, Unit 3.	INSTALL BUILDING SIGN ON GSU/AUX VALVE HOUSE	Disapproved	2nd Priority				CIVIL
3PF4	869	255278	System 3PF4 , Wet Pipe Sprinkler System , Unit 3.	SPRINKLER HEAD OBSTRUCTIONS (ANGLE IRON) IN PSB BATTERY ROOM	Disapproved	1st Priority				SUBCON
3PF4	869	255279	System 3PF4 , Wet Pipe Sprinkler System , Unit 3.	AUDIBLE ALARM TOO LOW ON 3-PF-EPP-001	Disapproved	1st Priority				SU-ELECT
3PF4	869	255280	System 3PF4 , Wet Pipe Sprinkler System , Unit 3.	AUDIBLE ALARM TOO LOW ON 3-PF-UFAP-001	Disapproved	1st Priority				SU-ELECT
3PF4	869	255282	System 3PF4 , Wet Pipe Sprinkler System , Unit 3.	3-PF-EPP-001: VERIFY 24 HOUR BATTERY TEST HAS BEEN COMPLETED	Disapproved	1st Priority				SU-ELECT
3PF4	869	255284	System 3PF4 , Wet Pipe Sprinkler System , Unit 3.	3-PF-EPP-001 DOES NOT COMMUNICATE TO 3-PF-UFAP-001	Disapproved	1st Priority				SU-ELECT
3PF4	869	255285	System 3PF4 , Wet Pipe Sprinkler System , Unit 3.	3-PF-UFAP-001: VERIFY 24 HOUR BATTERY TEST HAS BEEN COMPLETED	Disapproved	1st Priority				SU-ELECT
3PF4	869	255286	System 3PF4 , Wet Pipe Sprinkler System , Unit 3.	COMPLETE WALKDOWN OF FDC FOR 3PF4	Disapproved	1st Priority				SU-MECH
3PF5	434	360338	System 3PF5	PROVIDE CIRCUIT SCHEDULE FOR FIRE PROTECTION DEVICES	Disapproved	1st Priority				SU-ELECT
3PF5	434	360339	System 3PF5	COMPLETE TESTING OF FACP (3PF4) CONNECTION TO 3PF5	Disapproved	1st Priority				SU-ELECT
3PF5	434	360341	System 3PF5	LOCAL CONTROL ROOM 107 - INSTALL ACTUATING SOLENOID. COMMISSION AND PUT INTO SERVICE - MISSING NUT ON ACTUATOR	Disapproved	1st Priority	2/19/2014 TV 6/4/14 MS			SU-ELECT
3PF6	867	361433	System 3PF6 ,Foam Spray & Deluge , Unit 3.	INSTALL F.D.C SIGN ON SOUTH SIDE OF TURBINE BUILDING	Disapproved	1st Priority				PIPING
3PF6	867	361434	System 3PF6 ,Foam Spray & Deluge , Unit 3.	COMPLETE INSTALLATION OF PF PIPING BETWEEN GENERATOR AND IP TURBINE	Disapproved	1st Priority				PIPING
3PF6	867	361436	System 3PF6 ,Foam Spray & Deluge , Unit 3.	PF HANGER IN LUBE OIL ENCLOSURE NEAR LUBE OIL COOLERS DOES NOT HAVE EARTHQUAKE STRAP	Disapproved	1st Priority				PIPING
3PF7	1250	361420	3PF7	INSTALL PERMANENT EQUIPMENT SIGN ON VALVE HOUSE	Disapproved	2nd Priority				PIPING
3PF7	1250	361423	3PF7	SEAL ALL BUILDING/WALL PENETRATIONS	Disapproved	2nd Priority				PIPING
3PF7	1250	361424	3PF7	MISSING BOLTS/SCREWS IN BASEPLATE OF VALVE HOUSE	Disapproved	1st Priority				PIPING
3PG1	1119	79943	3PG1 System, Service Gas System & Nitrogen Bottles	GROUT ALL PIPE SUPPORTS	Disapproved	2nd Priority				CIVIL
3PW1	862	61641	System 3PW1 , Potable Water System , Unit 3.	TEST TEMP AND PRESSURE VALVE ON HOT WATER HEATER IN PSB ONCE POTABLE WATER IS AVAILABLE	Disapproved	1st Priority				SU-PIPING
3PW1	862	237190	System 3PW1 , Potable Water System , Unit 3.	PUT POTABLE WATER IN BATTERY ROOM EYE WASH STATION	Disapproved	1st Priority				SU-MECH
3PW1	862	360670	System 3PW1 , Potable Water System , Unit 3.	COMMISSION EYE ALERT ON 3-PW-MP-001A	Disapproved	1st Priority				SU-MECH
3PW1	862	360671	System 3PW1 , Potable Water System , Unit 3.	COMMISSION EYE ALERT ON 3-PW-MP-001B	Disapproved	1st Priority				SU-MECH
3PW1	862	360682	System 3PW1 , Potable Water System , Unit 3.	COMMISSION POTABLE WATER SYSTEM	Disapproved	1st Priority				SU-MECH
3PW1	862	360683	System 3PW1 , Potable Water System , Unit 3.	BATTERY ROOM SELF CONTAINED EYE EASH STATION NEEDS TO BE COMMISSIONED AND CONTAIN POTABLE WATER (PY-018)	Disapproved	1st Priority				SU-MECH
3PW1	862	360684	System 3PW1 , Potable Water System , Unit 3.	BOILER CIRCULATION PUMP UPS BATTERY ROOM SELF CONTAINED EYE EASH STATION NEEDS TO BE COMMISSIONED AND CONTAIN POTABLE WATER (PY-009)	Disapproved	1st Priority				SU-MECH
3PW1	862	360685	System 3PW1 , Potable Water System , Unit 3.	SAMPLING SYSTEM SELF CONTAINED EYE EASH STATION NEEDS TO BE COMMISSIONED AND CONTAIN POTABLE WATER (PY-016)	Disapproved	1st Priority				SU-MECH
3PW1	862	360686	System 3PW1 , Potable Water System , Unit 3.	DEMINERALIZED WATER ANALYZER SHELTER SELF CONTAINED EYE EASH STATION NEEDS TO BE COMMISSIONED AND CONTAIN POTABLE WATER (PY-006)	Disapproved	1st Priority				SU-MECH
3PW1	862	367413	3-PW-ME-015-ENN_UNIT 3 BOILER CHEM SKID ELEC WATER HTR DISC SW	Not walked/inspected.	Disapproved	1st Priority				
3PW1	862	367414	3-PW-ME-018-ENN_UNIT 3 WSAC CHEM. TREAT. ELEC. WTR HTR DISC SW	Not walked/inspected.	Disapproved	1st Priority				
3SA1	860	359274	System 3SA1 , Night Preservation Boiler , Unit 3	COMPLETE INSULATION ON SUPERHEATER	Disapproved	2nd Priority				INSUL
3SA1	860	359292	System 3SA1 , Night Preservation Boiler , Unit 3	MISSING SCREWS ON COVER OF FLOW VALVE ON FEEDWATER LINE. WHITE COVER, EAST SIDE OF NIGHT PRESERVATION BOILER	Disapproved	2nd Priority				SU-MECH
3SA1	860	359300	System 3SA1 , Night Preservation Boiler , Unit 3	INSTALL BOTH (2) RELIEF VALVES ON NIGHT PRESERVATION BOILER	Disapproved	1st Priority				SU-MECH
3SA1	860	359311	System 3SA1 , Night Preservation Boiler , Unit 3	REMOVE TEMPORARY HOSE OFF 3-SA-V-840 AND RESTORE VALVE WITH DRAIN CAP.	Disapproved	2nd Priority				SU-MECH
3SA1	860	359312	System 3SA1 , Night Preservation Boiler , Unit 3	ROUTE PIPING PER DESIGN TO AUX BOILER SUMP DRAIN DOWNSTREAM OF 3-SA-V-840	Disapproved	2nd Priority				PIPING
3SA1	860	359323	System 3SA1 , Night Preservation Boiler , Unit 3	PIPE SUPPORT ON VENT LINE OFF 3-SA-PSV-0901 IS LOOSE AND MISSING HARDWARE	Disapproved	2nd Priority				PIPING
3SA2	858	359374	System 3SA2 ,Auxiliary Boiler , Unit 3.	3-ES-ES-3111B-10C: MISSING/BROKEN STOP BUTTON	Disapproved	2nd Priority				SU-ELECT
3SA2	858	359395	System 3SA2 ,Auxiliary Boiler , Unit 3.	SUPPORT FLEX AND HEAD OF TE ON 3-SB-TE-0024	Disapproved	1st Priority				SU-INSTR
3SA2	858	359403	System 3SA2 ,Auxiliary Boiler , Unit 3.	INSTALL AUX BOILER FEED PUMP B	Disapproved	2nd Priority				SU-MECH
3SA2	858	359404	System 3SA2 ,Auxiliary Boiler , Unit 3.	COMPLETE PIPE STRESS ON AUX BOILER FEED PUMP B (NRG TO WITNESS)	Disapproved	2nd Priority				SU-MECH
3SA2	858	359405	System 3SA2 ,Auxiliary Boiler , Unit 3.	COMPLETE FINAL ALIGNMENT ON AUX BOILER FEED PUMP B (NRG TO WITNESS)	Disapproved	2nd Priority				SU-MECH

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3SA2	858	359406	System 3SA2 ,Auxiliary Boiler , Unit 3.	COMPLETE INSTALLATION OF SUCTION AND DISCHARGES PIPING FOR AUX BOILER FEED PUMP B	Disapproved	2nd Priority				PIPING
3SA2	858	359426	System 3SA2 ,Auxiliary Boiler , Unit 3.	COMPLETE INSTALLATION OF 3-SB-TE-0043	Disapproved	2nd Priority				SU-INSTR
3SA2	858	359427	System 3SA2 ,Auxiliary Boiler , Unit 3.	INSTALL COVER ON 3-SB-PIT-006A&B	Disapproved	2nd Priority				SU-INSTR
3SA2	858	359428	System 3SA2 ,Auxiliary Boiler , Unit 3.	COMPLETE INSULATION ON ALL PARTS OF 3-SB-HV-0500A	Disapproved	2nd Priority				INSUL
3SA2	858	359438	System 3SA2 ,Auxiliary Boiler , Unit 3.	EXPANSION JOINT NEAR 3-SB-PSV-0002 IS MISSING NUTS ON THE CONTROL RODS	Disapproved	2nd Priority				PIPING
3SC1		363504		FINALIZE WET SPRINKLER SYSTEM IN CONTROL, BATTERY, AND ELECTRICAL ROOMS (REMOVAL OR MODIFICATION).	Disapproved	1st Priority				CONSTR
3SC1		363525		MODIFY STG FIRE PROTECTION TO ALLOW SYSTEM TO REMAIN IN SERVICE WITHOUT EXCITER CONCERNS.	Disapproved	1st Priority				PE
3SC1		363527		RESOLVE CBO DISPUTED ITEMS.	Disapproved	1st Priority				CONSTR
3SC1		363529		PROVIDE FINAL CERTIFICATION OF POTABLE WATER SYSTEM.	Disapproved	1st Priority				SU-MECH
3SD1	856	360349	System 3SD1 ,Boiler Feed Pump Turbine , Unit 3.	BENT TUBING ON VALVE 3-SD-PV-0007	Disapproved	2nd Priority				SU-INSTR
3SD1	856	360351	System 3SD1 ,Boiler Feed Pump Turbine , Unit 3.	INCORRECT TAG ON 3-SD-LSH-0010. CURRENTLY STATES 3-SD-LSHH-0010.	Disapproved	2nd Priority				INSTR
3SD1	856	360357	System 3SD1 ,Boiler Feed Pump Turbine , Unit 3.	INSTALL ACCESS LADDER TO MBFPT SKID PER DESIGN	Disapproved	1st Priority				CIVIL
3SD1	856	360358	System 3SD1 ,Boiler Feed Pump Turbine , Unit 3.	HOUSEKEEPING ON BFPT SKID	Disapproved	2nd Priority				CIVIL
3SL1	854	359505	3SL1 System , Steam Seal , Unit 3.	WELD SHIM UNDER PIPE SUPPORT 3-PH-SL-0042	Disapproved	2nd Priority				PIPING
3SL1	854	359506	3SL1 System , Steam Seal , Unit 3.	3-SL-MAM10AA030 VENT IS NOT INSTALLED	Disapproved	2nd Priority				PIPING
3SL1	854	359507	3SL1 System , Steam Seal , Unit 3.	3-SL-MAM10AA010 VENT IS NOT INSTALLED	Disapproved	2nd Priority				PIPING
3SL1	854	359511	3SL1 System , Steam Seal , Unit 3.	NO LOCK WASHERS ON BOTTOM OF 3-SL-MAM10AZ020	Disapproved	2nd Priority				PIPING
3SL1	854	359512	3SL1 System , Steam Seal , Unit 3.	NO LOCK WASHERS ON BOTTOM OF 3-SL-MAM10AZ010	Disapproved	2nd Priority				PIPING
3SL1	854	359513	3SL1 System , Steam Seal , Unit 3.	BOTTOM IS LOOSE ON 3-SL-MAM10AZ020	Disapproved	2nd Priority				PIPING
3SL1	854	359514	3SL1 System , Steam Seal , Unit 3.	BOTTOM IS LOOSE ON 3-SL-MAM10AZ010	Disapproved	2nd Priority				PIPING
3SL1	854	359515	3SL1 System , Steam Seal , Unit 3.	TIGHTEN ALL HOLD DOWN BOLTS ON THE GLAND STEAM CONDENSER. SOUTH EAST BOLT ON FROME TO STRUCTURAL STEEL IS LOOSE.	Disapproved	1st Priority				MECH
3SL1	854	359516	3SL1 System , Steam Seal , Unit 3.	AIR LEAK TO REGULATOR ON 3-SL-LCE10AA005	Disapproved	2nd Priority				SU-MECH
3SL1	854	359518	3SL1 System , Steam Seal , Unit 3.	LOOSE PIPE CLAMP BETWEEN 3-SL-LCE10BN005 AND PP 3-SL-MAW10CP020	Disapproved	2nd Priority				PIPING
3SL1	854	359523	3SL1 System , Steam Seal , Unit 3.	LOOSE UNION ON 3-SL-TE-LBA50CT005	Disapproved	2nd Priority				SU-INSTR
3SL1	854	359546	3SL1 System , Steam Seal , Unit 3.	3-SL-TE-MAW10CT015 IS LOOSE AT THE UNION	Disapproved	2nd Priority				SU-INSTR
3SL1	854	359547	3SL1 System , Steam Seal , Unit 3.	3-SL-TE-MAW10CT010 IS LOOSE	Disapproved	2nd Priority				SU-INSTR
3TL1	852	91201	3TL1 System ,WSAC Chemical Injection , Unit 3.	LOOSE HARDWARE ON PVC PIPE HANGERS FROM ALL 3 TL SKIDS TO WSAC BASIN	Disapproved	2nd Priority				PIPING
3TL1	852	91211	3TL1 System ,WSAC Chemical Injection , Unit 3.	LOOSE U-BOLT ON PIPE SUPPORT 3-PH-TL-0524	Disapproved	2nd Priority				PIPING
3TL1	852	91214	3TL1 System ,WSAC Chemical Injection , Unit 3.	FIX LEAK IN COUPLING ON THE SUCTION SIDE OF 3-TL-MP-002B	Disapproved	2nd Priority				SU-MECH
3TL1	852	91215	3TL1 System ,WSAC Chemical Injection , Unit 3.	MISSING PIPE CAPS ON VENTS OFF 3-TL-MP-002A&B DISCHARGE	Disapproved	2nd Priority				SU-MECH
3TL1	852	91216	3TL1 System ,WSAC Chemical Injection , Unit 3.	COMPLETE INSTALLATION OF 3-PH-TL-0513 ANCHORS	Disapproved	2nd Priority				PIPING
3TL1	852	91217	3TL1 System ,WSAC Chemical Injection , Unit 3.	GROUT PIPE SUPPORT 3-PH-TL-0513	Disapproved	2nd Priority				CIVIL
3TL1	852	91218	3TL1 System ,WSAC Chemical Injection , Unit 3.	GROUT PIPE SUPPORT 3-PH-TL-0507	Disapproved	2nd Priority				CIVIL
3TL1	852	91219	3TL1 System ,WSAC Chemical Injection , Unit 3.	GROUT PIPE SUPPORT 3-PH-TL-0504	Disapproved	2nd Priority				CIVIL
3VB1	850	91223	System 3VB1 , PSB - HVAC System, Unit 3	INSTALL PERMANENT TAG ON PSB HVAC UNIT HP-1	Disapproved	1st Priority				MECH
3VB1	850	91225	System 3VB1 , PSB - HVAC System, Unit 3	INSTALL PERMANENT TAG ON PSB HVAC UNIT HP-2	Disapproved	1st Priority				MECH
3VB1	850	91228	System 3VB1 , PSB - HVAC System, Unit 3	THREADED FEMALE BUSHING TO MALE COPPER FITTING ON CONDENSATE LINE OF HVAC UNIT HP-1. INCORRECT FEMALE PVC TO COPPER CONNECTION PER CODE.	Disapproved	1st Priority				MECH
3VB1	850	91229	System 3VB1 , PSB - HVAC System, Unit 3	THREADED FEMALE BUSHING TO MALE COPPER FITTING ON CONDENSATE LINE OF HVAC UNIT HP-2. INCORRECT FEMALE PVC TO COPPER CONNECTION PER CODE.	Disapproved	1st Priority				MECH
3VB1	850	91230	System 3VB1 , PSB - HVAC System, Unit 3	INSTALL PERMANENT TAG ON PSB HVAC UNIT HP-5	Disapproved	1st Priority				MECH
3VB1	850	91232	System 3VB1 , PSB - HVAC System, Unit 3	INSTALL PERMANENT TAG ON PSB HVAC UNIT HP-6	Disapproved	1st Priority				MECH
3VB1	850	91234	System 3VB1 , PSB - HVAC System, Unit 3	THREADED FEMALE BUSHING TO MALE COPPER FITTING ON CONDENSATE LINE OF HVAC UNIT HP-5. INCORRECT FEMALE PVC TO COPPER CONNECTION PER CODE.	Disapproved	1st Priority				MECH
3VB1	850	91235	System 3VB1 , PSB - HVAC System, Unit 3	THREADED FEMALE BUSHING TO MALE COPPER FITTING ON CONDENSATE LINE OF HVAC UNIT HP-6. INCORRECT FEMALE PVC TO COPPER CONNECTION PER CODE.	Disapproved	1st Priority				MECH
3VB1	850	91237	System 3VB1 , PSB - HVAC System, Unit 3	COMPLETE CONDENSATE DRAIN PIPING SUPPORTS FOR HP-1	Disapproved	1st Priority				PIPING
3VB1	850	91238	System 3VB1 , PSB - HVAC System, Unit 3	COMPLETE CONDENSATE DRAIN PIPING SUPPORTS FOR HP-2	Disapproved	1st Priority				PIPING
3VB1	850	91239	System 3VB1 , PSB - HVAC System, Unit 3	COMPLETE CONDENSATE DRAIN PIPING SUPPORTS FOR HP-3	Disapproved	1st Priority				PIPING
3VB1	850	91240	System 3VB1 , PSB - HVAC System, Unit 3	COMPLETE CONDENSATE DRAIN PIPING SUPPORTS FOR HP-4	Disapproved	1st Priority				PIPING
3VB1	850	91241	System 3VB1 , PSB - HVAC System, Unit 3	COMPLETE CONDENSATE DRAIN PIPING SUPPORTS FOR HP-5	Disapproved	1st Priority				PIPING
3VB1	850	91242	System 3VB1 , PSB - HVAC System, Unit 3	COMPLETE CONDENSATE DRAIN PIPING SUPPORTS FOR HP-6	Disapproved	1st Priority				PIPING
3VB1	850	91249	System 3VB1 , PSB - HVAC System, Unit 3	INSTALL PERMANENT TAG ON PSB HVAC UNIT HP-3	Disapproved	1st Priority				MECH
3VB1	850	91252	System 3VB1 , PSB - HVAC System, Unit 3	INSTALL PERMANENT TAG ON PSB HVAC UNIT HP-4	Disapproved	1st Priority				MECH

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3VB1	850	91257	System 3VB1 , PSB - HVAC System, Unit 3	INSPECT WITH NRG INTERNALS OF EXHAUST FAN DISCONNECT FOR HP-4	Disapproved	1st Priority				SU-MECH
3VB1	850	91259	System 3VB1 , PSB - HVAC System, Unit 3	MISSING PANEL SCHEDULE FOR H1 - NO CHANGE	Disapproved	1st Priority	4/15/14 MS			SU-ELECT
3VB1	850	91265	System 3VB1 , PSB - HVAC System, Unit 3	PROVIDE REDLINED PANEL SCHEDULE FOR L1	Disapproved	1st Priority				SU-ELECT
3VB1	850	91266	System 3VB1 , PSB - HVAC System, Unit 3	MISSING BREAKER LABELS ON H1 - NO CHANGE	Disapproved	1st Priority	4/15/14 MS			ELECT
3VB1	850	91267	System 3VB1 , PSB - HVAC System, Unit 3	EXHAUST FAN COVER IS FALLING OFF IN PSB BATTERY ROOM	Disapproved	1st Priority				SU-MECH
3VB1	850	91268	System 3VB1 , PSB - HVAC System, Unit 3	PROVIDE REDLINED PANEL SCHEDULE FOR 3-VB-CPL-014	Disapproved	1st Priority				SU-ELECT
3VB1	850	237477	System 3VB1 , PSB - HVAC System, Unit 3	PROVIDE SCOPE DRAWINGS	Disapproved	1st Priority				SU-MECH
3VB1	850	367419	3-EC-ET-371-EJB1_UNIT-3 POWER JUNCTION BOX FOR CVT	Not walked/inspected.	Disapproved	1st Priority				
3VB2	848	91275	3VB2 System ,EEM - HVAC System, Unit 3	INSPECT GAP BETWEEN 3-VB-MA-001A AND PLATFORM/GRATING/HANDRAILS. APPEARS LARGER THAN OSHA ALLOWED.	Disapproved	2nd Priority				MECH
3VB2	848	91276	3VB2 System ,EEM - HVAC System, Unit 3	MISSING HARDWARE/SCREWS ON 3-VB-MA-001A	Disapproved	2nd Priority				MECH
3VB2	848	91277	3VB2 System ,EEM - HVAC System, Unit 3	MISSING HARDWARE/SCREWS ON 3-VB-MA-001B	Disapproved	2nd Priority				MECH
3VB2	848	91280	3VB2 System ,EEM - HVAC System, Unit 3	INSTALL A SELF CLOSING DOOR (SWING GATE) ON PLATFORM FOR 3-VB-MA-001A. GATE DOESN'T SWING OR LATCH.	Disapproved	1st Priority				MECH
3VB2	848	91281	3VB2 System ,EEM - HVAC System, Unit 3	LOOSE HARDWARE ON HANDRAILS FOR 3-VB-MA-001A PLATFORM	Disapproved	1st Priority				MECH
3VB2	848	91292	3VB2 System ,EEM - HVAC System, Unit 3	DISCONNECT FOR 3-VB-MA-711C UNIT #3 AND HEATER COMPARTMENT CAN NOT BE ACCESSED FROM WT EEM STAIRS/PLATFORM	Disapproved	2nd Priority				PE
3VB2	848	237478	3VB2 System ,EEM - HVAC System, Unit 3	PROVIDE SCOPE DRAWINGS	Disapproved	1st Priority				SU-MECH
3VB3	1044	91302	3VB3 System, Unit 3 HVAC at BCP UPS Ehouse	MISSING FLOW SWITCHES ON BCP EEM BATTERY ROOM EXHAUST FANS #1 & #2	Disapproved	1st Priority				ELECT
3VB3	1044	91309	3VB3 System, Unit 3 HVAC at BCP UPS Ehouse	LOOSE HARDWARE ON DUCT SUPPORTS IN BCP EEM	Disapproved	2nd Priority				MECH
3VB3	1044	91312	3VB3 System, Unit 3 HVAC at BCP UPS Ehouse	CLOSE LATCHES ON ACCESS DOORS ON 3-VB-MA-191A	Disapproved	2nd Priority				MECH
3VB3	1044	91313	3VB3 System, Unit 3 HVAC at BCP UPS Ehouse	CLOSE LATCHES ON ACCESS DOORS ON 3-VB-MA-191B	Disapproved	2nd Priority				MECH
3VB3	1044	91315	3VB3 System, Unit 3 HVAC at BCP UPS Ehouse	THREADED FEMALE BUSHING TO MALE COPPER FITTING ON CONDENSATE LINE OF HVAC UNIT 3-VB-MA-190A. INCORRECT FEMALE PVC TO COPPER CONNECTION PER CODE.	Disapproved	2nd Priority				MECH
3VB3	1044	91316	3VB3 System, Unit 3 HVAC at BCP UPS Ehouse	THREADED FEMALE BUSHING TO MALE COPPER FITTING ON CONDENSATE LINE OF HVAC UNIT 3-VB-MA-190B. INCORRECT FEMALE PVC TO COPPER CONNECTION PER CODE.	Disapproved	2nd Priority				MECH
3VB3	1044	91319	3VB3 System, Unit 3 HVAC at BCP UPS Ehouse	HVAC DUCT LEAK ON INTAKE FOR 3-VB-MA-191A. LOCATION OF LEAK AT UNIT EXPANSION JOINT TO DUCT. THERE SEEMS TO BE A GAP IN THE LID OF THE UNIT.	Disapproved	2nd Priority				MECH
3VB3	1044	237479	3VB3 System, Unit 3 HVAC at BCP UPS Ehouse	PROVIDE SCOPE DRAWINGS	Disapproved	1st Priority				SU-MECH
3WB1	846	91221	System 3WB1 , Closed Cooling Water System , Unit 3	LOOSE FLEX TO 3-WB-LV-0065 - NOT LOCATED	Disapproved	1st Priority	4/17/14 MS 5/1/14 MS			ELECT
3WB1	846	237090	System 3WB1 , Closed Cooling Water System , Unit 3	LOOSE UNION ON 3-WB-TE-0116	Disapproved	1st Priority				INSTR
3WB1	846	256929	System 3WB1 , Closed Cooling Water System , Unit 3	RE-INSTALL PUMP 3-WB-MP-002B	Disapproved	1st Priority				SU-MECH
3WB1	846	256930	System 3WB1 , Closed Cooling Water System , Unit 3	COMPLETE PIPE STRESS FOR 3-WB-MP-002B (AFTER PUMP RE-INSTALLATION)	Disapproved	1st Priority				SU-MECH
3WB1	846	256931	System 3WB1 , Closed Cooling Water System , Unit 3	COMPLETE FINAL ALIGNMENT FOR 3-WB-MP-002B (AFTER PUMP RE-INSTALLATION)	Disapproved	1st Priority				SU-MECH
3WB1	846	256932	System 3WB1 , Closed Cooling Water System , Unit 3	COMPLETE VIBRATION CHECK FOR 3-WB-MP-002B (AFTER PUMP RE-INSTALLATION)	Disapproved	1st Priority				SU-MECH
3WB1	846	256933	System 3WB1 , Closed Cooling Water System , Unit 3	INDICATOR IS BROKEN OFF VALVE ACTUATOR ON VALVE 3-WB-HV-0350	Disapproved	1st Priority				SU-INSTR
3WB1	846	256934	System 3WB1 , Closed Cooling Water System , Unit 3	TWO (2) BOLTS ARE TOO SHORT ON BOTTOM FLANGE OF 3-WB-CHE-02	Disapproved	2nd Priority				SU-MECH
3WB1	846	256935	System 3WB1 , Closed Cooling Water System , Unit 3	CHAIN OPERATOR DOES NOT WORK ON 3-WB-CO-BUT03	Disapproved	1st Priority				SU-MECH
3WB1	846	256937	System 3WB1 , Closed Cooling Water System , Unit 3	LOOSE THREADED CONNECTION ON DRAIN LINE OFF BOTTOM OF CCW BYPASS FEEDER	Disapproved	1st Priority				PIPING
3WB1	846	256943	System 3WB1 , Closed Cooling Water System , Unit 3	REMOVE TEMPORARY HOSE AND INSTALL CAP ON VALVE 3-WB-V-752	Disapproved	2nd Priority				SU-MECH
3WB1	846	256944	System 3WB1 , Closed Cooling Water System , Unit 3	VALVE 3-WB-V-617 HAS VALVE TAG THAT STATES 3-WB-V-619. VALVE 3-WB-V-619 HAS VALVE TAG THAT STATES 3-WB-V-617. SWITCH VALVE TAGS.	Disapproved	2nd Priority				PIPING
3WB1	846	256950	System 3WB1 , Closed Cooling Water System , Unit 3	VALVE 3-WB-V-074 HAS A VALVE TAG THAT STATES 3-WB-V-077. VALVE 3-WB-V-077 HAS A VALVE TAG THAT'S STATES 3-WB-V-074. SWITCH VALVE TAGS.	Disapproved	2nd Priority				PIPING
3WB1	846	256951	System 3WB1 , Closed Cooling Water System , Unit 3	VALVE 3-WB-V-841 HAS A VALVE TAG THAT STATES 3-WB-V-840. VALVE 3-WB-V-840 HAS A VALVE TAG THAT'S STATES 3-WB-V-841. SWITCH VALVE TAGS.	Disapproved	2nd Priority				PIPING
3WB1	846	256952	System 3WB1 , Closed Cooling Water System , Unit 3	VALVE 3-WB-V-076 HAS A VALVE TAG THAT STATES 3-WB-V-078. VALVE 3-WB-V-078 HAS A VALVE TAG THAT'S STATES 3-WB-V-076. SWITCH VALVE TAGS.	Disapproved	2nd Priority				PIPING
3WB1	846	256957	System 3WB1 , Closed Cooling Water System , Unit 3	U-BOLT LOOSE ON SUCTION SIDE OF 3-WB-MP-003B	Disapproved	1st Priority				PIPING
3WB1	846	256958	System 3WB1 , Closed Cooling Water System , Unit 3	U-BOLT LOOSE ON SUCTION SIDE OF 3-WB-MP-003A, PRIOR TO 3-WB-HW-BUT16	Disapproved	1st Priority				PIPING

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3WB1	846	256959	System 3WB1 , Closed Cooling Water System , Unit 3	MISSING NUT ON U-BOLT BETWEEN 3-WB-CHE-01 AND 3-WB-CO-BUT12	Disapproved	1st Priority				PIPING
3WB1	846	256960	System 3WB1 , Closed Cooling Water System , Unit 3	U-BOLT LOOSE DOWNSTREAM OF 3-WB-CO-BUT12	Disapproved	1st Priority				PIPING
3WB1	846	256969	System 3WB1 , Closed Cooling Water System , Unit 3	U-BOLT LOOSE UPSTREAM OF 3-WB-V-065	Disapproved	1st Priority				PIPING
3WB1	846	256982	System 3WB1 , Closed Cooling Water System , Unit 3	SHIM PIPE SUPPORT BETWEEN VALVE 3-WB-V-729 AND 3-WB-V-031	Disapproved	2nd Priority				PIPING
3WB1	846	256984	System 3WB1 , Closed Cooling Water System , Unit 3	MISSING LOCK AND FLAT WASHERS ON 3-WB-MP-001A MOTOR FEET. PER INDUSTRY STANDARDS AND MANUFACTURER'S INSTULATION INSTRUCTIONS. Reference CEC Sections110.03.8 and 110.12.	Disapproved	1st Priority				MECH
3WB1	846	256985	System 3WB1 , Closed Cooling Water System , Unit 3	MISSING LOCK AND FLAT WASHERS ON 3-WB-MP-001B MOTOR FEET. PER INDUSTRY STANDARDS AND MANUFACTURER'S INSTULATION INSTRUCTIONS. Reference CEC Sections110.03.8 and 110.12.	Disapproved	1st Priority				MECH
3WB1	846	257006	System 3WB1 , Closed Cooling Water System , Unit 3	REMOVE TEMPORARY EQUIPMENT OFF 3-WB-MT-001 AND RESTORE PERMANENT SYSTEM CONFIGURATION	Disapproved	2nd Priority				SU-MECH
3WB1	846	257007	System 3WB1 , Closed Cooling Water System , Unit 3	SHIM PIPE SUPPORT ON TOP OF 3-WB-MT-001 FOR 4" WB LINE	Disapproved	2nd Priority				PIPING
3WB1	846	257009	System 3WB1 , Closed Cooling Water System , Unit 3	WRONG SIZE CGB FOR 3-AA-FSL-2050 - NO CHANGE	Disapproved	1st Priority	4/17/14 MS			ELECT
3WB1	846	257010	System 3WB1 , Closed Cooling Water System , Unit 3	WRONG SIZE CGB FOR 3-AA-FSL-2550 - NO CHANGE	Disapproved	1st Priority	4/17/14 MS			ELECT
3WB1	846	257011	System 3WB1 , Closed Cooling Water System , Unit 3	REMOVE TIEWRAPPS ON 3-AA-V-2053	Disapproved	2nd Priority				PIPING
3WB1	846	257015	System 3WB1 , Closed Cooling Water System , Unit 3	LOOSE U-BOLT BETWEEN 3-AA-V-2056 AND 3-AA-TW-2046	Disapproved	1st Priority				PIPING
3WB1	846	257016	System 3WB1 , Closed Cooling Water System , Unit 3	COMPLETE ALL PIPE SUPPORT INSTALLATIONS ON COOLING WATER OUT FROM 3-AA-MP-2050	Disapproved	1st Priority				PIPING
3WB1	846	257018	System 3WB1 , Closed Cooling Water System , Unit 3	COMPLETE FLUSHING THROUGH 3-AA-FG-2050	Disapproved	1st Priority				SU-MECH
3WB1	846	257019	System 3WB1 , Closed Cooling Water System , Unit 3	COMPLETE FLUSHING THROUGH 3-AA-FG-2550	Disapproved	1st Priority				SU-MECH
3WB1	846	257023	System 3WB1 , Closed Cooling Water System , Unit 3	CAP 3-WB-V-761	Disapproved	1st Priority				PIPING
3WB1	846	257025	System 3WB1 , Closed Cooling Water System , Unit 3	COMPLETE INSTALLATION OF ALL CLOSED COOLING WATER PIPING INCLUDING VALVES AND INSTRUMENTATION TO THE AUX BOILER FD FAN BEARING, AND BOTH AUX BOILER FEED PUMP SEAL COOLERS FOR MP-001A AND MP-001B	Disapproved	1st Priority				PIPING
3WD1	843	367420	3-WD-EP-001_UNIT 3 DEMIN TRAILER CONTROL PANEL(OWNER SUPPLIED)	NOT LOCATED	Disapproved	1st Priority	5/15/14 MS			
3WR1	841	90826	System 3WR1 , Raw Water System Unit 3	TIGHTENED DOOR CLIPS ON ALL 3 PULL BOXES WEST OF 009-WR-MP-003B	Disapproved	2nd Priority				ELECT
3WS1	840	255334	3WS1 System , Service Water System Unit 3	REMOVE ALL DEBRIS ON 001-WS-MP-001 PUMP SKID	Disapproved	2nd Priority				CIVIL
3WS1	840	255339	3WS1 System , Service Water System Unit 3	INSTALL COVER ON 3-WS-PDI-0007	Disapproved	2nd Priority				INSTR
3WS1	840	255345	3WS1 System , Service Water System Unit 3	COMMISSION EYE ALERT SYSTEM ON PUMP 003-WS-MP-001	Disapproved	2nd Priority				SU-MECH
3WY1	838	90103	3WY1 System , Mirror Wash System Unit 3	REMOVE TEMPORARY CONNECTIONS OFF MIRROR WASH TANK OVERFLOW. RESTORE SYSTEM CONNECTION.	Disapproved	2nd Priority				SU-MECH
3XW1	835	89345	3XW1 System, Waste Water Unit 3	INSTALL LONGER U-BOLT OR REMOVE SOME SHIM ON PIPE SUPPORT ON SOUTHSIDE OF WWT (6" OVERFLOW LINE)	Disapproved	1st Priority				PIPING
3XW1	835	89347	3XW1 System, Waste Water Unit 3	TIGHTEN WWT ANCHOR BOLT NUTS	Disapproved	1st Priority				MECH
3XW1	835	89354	3XW1 System, Waste Water Unit 3	GROUT 3-WS-PDIT-0007	Disapproved	1st Priority				CIVIL
3XW1	835	89360	3XW1 System, Waste Water Unit 3	3-XW-TE-0012 IS LOOSE	Disapproved	1st Priority				SU-INSTR
3XW1	835	89361	3XW1 System, Waste Water Unit 3	PIPE SUPPORT ON THE NORTHSIDE OF THE IDT/EDT PIT FOR SUBMERSIBLE PUMP PIPING NEEDS GROUT	Disapproved	2nd Priority				CIVIL
3XW1	835	89376	3XW1 System, Waste Water Unit 3	3-XW-TE-0014 IS LOOSE	Disapproved	1st Priority				SU-INSTR
3XW2	833	89385	3XW2 System , Waste Water Sumps	REMOVE OIL CONTAINED IN STG LUBE OIL ENCLOSURE (NORTH WEST CORNER)	Disapproved	1st Priority				SU-MECH
3XW2	833	89387	3XW2 System , Waste Water Sumps	HOUSEKEEPING FOR STG LUBE OIL ENCLOSURE (NORTH WEST CORNER)	Disapproved	2nd Priority	4/7/14 TV			CIVIL
3XW2	833	89388	3XW2 System , Waste Water Sumps	HOUSEKEEPING FOR STG LUBE OIL ENCLOSURE (SOUTH WEST CORNER)	Disapproved	2nd Priority	4/7/14 TV			CIVIL
3XW2	833	89391	3XW2 System , Waste Water Sumps	HOUSEKEEPING FOR GENERATOR STEP UP TRANSFORMER PIT	Disapproved	2nd Priority	4/7/14 TV			CIVIL
3XW2	833	89392	3XW2 System , Waste Water Sumps	REMOVE FORM WORK ON GENERATOR STEP UP TRANSFORMER PIT	Disapproved	1st Priority				CIVIL
3XW2	833	89393	3XW2 System , Waste Water Sumps	HOUSEKEEPING FOR UNIT AUXILIARY TRANSFORMER PIT	Disapproved	2nd Priority	4/7/14 TV			CIVIL
3XW2	833	89394	3XW2 System , Waste Water Sumps	HOUSEKEEPING FOR BOILER FEED PUMP TURBINE LUBE OIL AREA	Disapproved	2nd Priority	4/7/14 TV			CIVIL
3XW2	833	89395	3XW2 System , Waste Water Sumps	HOUSEKEEPING FOR WSAC COOROSION INHIBITOR CURBED AREA	Disapproved	2nd Priority	4/7/14 TV			CIVIL
3XW2	833	89396	3XW2 System , Waste Water Sumps	HOUSEKEEPING FOR WSAC SODA ASH CURBED AREA	Disapproved	2nd Priority	4/7/14 TV			CIVIL
3XW2	833	89397	3XW2 System , Waste Water Sumps	HOUSEKEEPING FOR POTABLE WATER ANS WSAC SODIUM HYPOCHLORITE CURBED AREA	Disapproved	2nd Priority	4/7/14 TV			CIVIL
3XW2	833	89398	3XW2 System , Waste Water Sumps	HOUSEKEEPING FOR OXYGEN SCAVENGER CURBED AREA	Disapproved	2nd Priority	4/7/14 TV			CIVIL
3XW2	833	89399	3XW2 System , Waste Water Sumps	HOUSEKEEPING FOR AMINE CURBED AREA	Disapproved	2nd Priority	4/7/14 TV			CIVIL
3XW2	833	89400	3XW2 System , Waste Water Sumps	COVER CONDENATE POLISHER SLUICE WATER SUMP WITH DIAMOND PLATE	Disapproved	1st Priority				CIVIL
	183		Unit 3 Area Grounding	Inspection of all grounding for the main grid, as well as the tails up in all of the misc foundations, excluding the SRSG and STG @Disapproved @ See master plan in the CBO office for inspections completed and recorded. .	Disapproved	1st Priority			Bechtel - 3/19/14; As agreed between Andy and Tim/Dave, Final punch-list issued on 3/4/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.	

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	829		Unit 3 Roadway Lighting System	This report has been statused for tracking purposes. Inspection to be preformed at a future date. Contractor will notify.	Disapproved	1st Priority			<u>Bechtel - 3/19/14:</u> As agreed between Andy and Tim/Dave, Final punch-list issued on 3/4/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.	
	1094		Unit 3 Plant Services Building	This is temporary occupancy for the control room and break room only in the unit 3 PSB.	Disapproved	1st Priority			<u>Bechtel - 3/19/14:</u> As agreed between Andy and Tim/Dave, Final punch-list issued on 3/4/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.	
	1131		Unit 3 Lightning Protection	Inspection of the Unit 3 Lightning Protection, on the SRSG Tower, STG Enclosure, STG EEM, VFD EEM, and WT EEM.	Disapproved	1st Priority			<u>Bechtel - 3/19/14:</u> As agreed between Andy and Tim/Dave, Final punch-list issued on 3/4/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.	
	1204		Unit 3 Fire Extinguishers	Inspection is for unit 2 Fire Extinguishers @Disapproved @Extinguishers have been inspected for location and type. See attachment for further clarification. In addition, due to an extreme life safety-safety hazard of the fire extinguishers becoming dislodged from the present attachment method of hanging them on a hook, the Fire Marshal is requiring that the fire extinguishers on the tower be remounted and secured either by placing them in a cabinet or by use of brackets. See item #1 in the attached Fire Marshal Inspection Report.	Disapproved	1st Priority			<u>Bechtel - 3/19/14:</u> As agreed between Andy and Tim/Dave, Final punch-list issued on 3/4/14 was to only include exceptions for remaining cable tray related items at a later date from CBO. This PL is not cable tray related.	

IVANPAH PROJECT PUNCH LISTS - COMMON AREA

Disapproved	101	53	1st Priority
Approved	574	34	2nd Priority
Closed	322	321	CBO App. NR
		577	Closed

367474		MAXIMUM PUNCH LIST ITEM NUMBER				577		Closed		
885		648	TOTAL PUNCH LIST ITEMS		Total	997	985			
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9AR01	1059	367431	Colosseum Rd from Yates Well to Guard Shack -9AR01	Not walked not inspected	Disapproved	1st Priority				
9AR02	1061	367432	Colosseum Rd from WC 901 to Unit 1 Entrance -9AR02	Not walked not inspected	Disapproved	1st Priority				
9AR03	1062	367433	Colosseum Rd from WC901 to U3 Tortoise Guard-9AR03	Not walked not inspected	Disapproved	1st Priority				
9AR10	1241	367434	9AR10 Area, Cable Tray Scope	9AR10 Disapproved No Cable Tray inspections have been performed in 9AR10 Common Area	Disapproved	1st Priority				
9AR11	972	236987	Common Area Fire Water Fndns & Structures 9AR11	FIRE PUMP HOUSE DIESEL SIDE: REMOVE DEBRIS/HOUSEKEEPING	Disapproved	2nd Priority				CIVIL
9AR11	972	236988	Common Area Fire Water Fndns & Structures 9AR11	FIRE PUMP HOUSE ELECTRIC SIDE: REMOVE DEBRIS/HOUSEKEEPING	Disapproved	2nd Priority				CIVIL
9AR11	972	237008	Common Area Fire Water Fndns & Structures 9AR11	FIRE PUMP HOUSE DIESEL SIDE: BUILDING DOOR LATCH NEEDS TO BE TIGHTENED	Disapproved	2nd Priority				CIVIL
9AR12	973	367436	Common Area Well Fndns & Structures 9AR12	Not walked - not inspected	Disapproved	1st Priority				
9AR14	974	367438	Common Area Admin Yard Fndn & Structures 9AR14	Complete walkdown for Common Area Admin Area Yard Foundations and Structures within 9AR14 per drawings identified above.	Disapproved	1st Priority				
9AR13	975	367437	Common Area 9AR13	The handhold on the exterior lighting poles were closed prior to CBO inspection. Reschedule an inspection when ready.	Disapproved	1st Priority				
9AR50	1180	367439	9AR50 - East PBB	Complete area walkdown for East Pad Bonding Building - 9AR50.	Disapproved	1st Priority				
9AR51	1181	367440	9AR51 - West PBB	Complete area walkdown for Common Area West Pad Bonding Building - 9AR51.	Disapproved	1st Priority				
9AR52	1182	367441	9AR52	Complete area walkdown for Common Area HAB and surrounding foundations - 9AR52.	Disapproved	1st Priority				
9AR53	1063	367442	HAB Area - 9AR53	The area lighting was previously inspected and approved based upon the lighting being temporary. The area lighting will now be permanent therefore requiring inspections to be performed based upon a permanent installation based upon the CEC.	Disapproved	1st Priority				
9EC1	748	88880	9EC1, Common area MDB7 incomer breakers and MCC	INSTALL PERMANENT CABINET ID TAG ON MDB-7	Disapproved	2nd Priority				ELECT
9EC1	748	88884	9EC1, Common area MDB7 incomer breakers and MCC	INSTALL PERMANENT CABINET ID TAG ON 9-EC-EA-101	Disapproved	2nd Priority				ELECT
9EC2	524	88893	System 9EC2, Admin Building Power Distribution	BOND CONDUIT ON BOTH ENDS ON TRANSFORMER GROUND WIRE NEXT TO 9-EC-EA-9013 - NOT DONE - NOT COMPLETED CORRECTLY - Reinspection Made on 5-20-2014. The ground wires were double lugged. The lug has no rating listed for this application. Requested lug be changed to correct type or provide rating information not found on device. Also, surface paint needs to be sanded down to bond the lug to the metal beam area.	Disapproved	1st Priority	RLS 02-04-2014 5/20/14 JJS			SU-ELECT
9EC2	524	359455	System 9EC2, Admin Building Power Distribution	PROVIDE WIRING DIAGRAM	Disapproved	1st Priority				SU-ELECT
9EG1	649	88657	Common Area, System 9EG1, Grounding	MISSING GROUND FOR LIGHTNING PROTECTION ON NORTHWEST SIDE OF THE ADMIN BUILDING (CONNECTION SHOW ON DRAWING 009-EG-0010-00003, ON AW1 LINE BETWEEN AW1 AND AWJ). - NOT READY	Disapproved	1st Priority	5/7/14 MS 6/2/14 SH			ELECT
9EH1	919	359187	9EH1, Electrical Trace Heating Unit- Common Area	INSTALL DOOR STOP ON 9-EH-EP-001 TO PROTECT IT FROM MDB-7 - NOT READY	Disapproved	1st Priority	5/7/14 MS			SU-ELECT
9EL1	944	367453	9-EC-EC-9011A-03FE_ADMIN BUILDING MCC-ESSENTIAL LTG TRANSFORMER 902	Not walked/inspected.	Disapproved	1st Priority				
9EL1	944	367459	9-EL-EP-902-E1_208/120V ADMIN BUILDING ESSENTIAL LIGHTING PANEL	Not walked/inspected. Added to schedule per Bechtel 5/7/13	Disapproved	1st Priority				
9EL1	944	367460	9-EL-EP-903-PL2_ADMIN BUILDING LIGHTING PANEL PL2 (FULLMER)	Not walked/inspected. Added to schedule per Bechtel 5/7/13	Disapproved	1st Priority				
9EU1	652	88859	Common, System 9EU1, Admin UPS System	VERIFY SETTINGS FOR 9-EC-EC-9011A-03FG. SETTINGS DO NOT MATCH LATEST SINGLE LINE DRAWING.	Disapproved	2nd Priority				SU-ELECT
9EU1	652	88860	Common, System 9EU1, Admin UPS System	VERIFY SETTINGS FOR 9-EC-EC-9011A-03FJ. SETTINGS DO NOT MATCH LATEST SINGLE LINE DRAWING.	Disapproved	2nd Priority				SU-ELECT
9EU1	652	88861	Common, System 9EU1, Admin UPS System	VERIFY SETTINGS FOR 9-EC-EC-9011A-07FD. SETTINGS DO NOT MATCH LATEST SINGLE LINE DRAWING.	Disapproved	2nd Priority				SU-ELECT

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9EU1	652	363133	Common, System 9EU1, Admin UPS System	9-EU-EU-Y01A AND 9-EU-EU-Y01B CAN NOT BE ENERGIZED ONE AT A TIME WITHOUT ONE OF THE BREAKERS ON THE MCC TRIPPING BECHTEL'S ANSWER TO THIS PROBLEM IS TO ENERGIZE BOTH INVERTERS AT THE SAME TIME THIS IS NOT AN ACCEPTABLE SOLUTION	Disapproved	1st Priority				PE
9EU1	652	363134	Common, System 9EU1, Admin UPS System	ADMIN BUILDING BATTERY RACKS DO NOT HAVE CONTAINMENT TRAYS UNDER THEM AS IS CALLED OUT ON DRAWING 25542-000-A1-8110-0001 CONTAINMENT IS NESSEARY IN CASE OF BATTERY ACID LEAKS	Disapproved	1st Priority				PE
9FG1		87044		REPLACE ALL BROKEN MARKERS FOR UNDERGROUND GAS LINE	Disapproved	1st Priority				PIPING
9JD1	930	254190	9JD1, Common Area DCS	INSTALL 9-EY-EJ-002. CURRENTLY NOT INSTALLED. - NOT READY	Disapproved	2nd Priority	5/7/14 MS			ELECT
9JD1	930	254216	9JD1, Common Area DCS	9-EZ-EJ-B01: SEAL CONDUIT INSIDE BOX - NOT LOCATED	Disapproved	1st Priority	5/7/14 MS			ELECT
9JD1	930	254219	9JD1, Common Area DCS	9-EZ-EJ-B02: SEAL CONDUIT INSIDE BOX - NOT LOCATED	Disapproved	1st Priority	5/7/14 MS			ELECT
9JD1	930	254225	9JD1, Common Area DCS	9-EZ-EJ-A02 (2MH-A01): BACKFILL	Disapproved	2nd Priority				CIVIL
9JD1	930	254226	9JD1, Common Area DCS	9-EZ-EJ-A02 (2MH-A01): GROUT MANHOLE EXTENSION RING	Disapproved	2nd Priority				CIVIL
9JD1	930	254228	9JD1, Common Area DCS	9-EZ-EJ-A01 (2MH-A02): INSTALL CABLE TAGS INSIDE MANHOLE - NOT READY - DISPUTED	Disapproved	2nd Priority	5/7/14 MS			SU-DCS
9JD1	930	254229	9JD1, Common Area DCS	9-EZ-EJ-A01 (2MH-A02): BACKFILL	Disapproved	2nd Priority				CIVIL
9JD1	930	254230	9JD1, Common Area DCS	9-EZ-EJ-A01 (2MH-A02): GROUT MANHOLE EXTENSION RING	Disapproved	2nd Priority				CIVIL
9JD1	930	254232	9JD1, Common Area DCS	BACKFILL ALL FIBER PULL BOXES TO ALL 3 UNITS AS REQUIRED	Disapproved	2nd Priority				CIVIL
9PF1	531	90972	Admin System 9PF1, Common Fire Pump System	INSPECT ALL 8 FIRE-SMOKE DAMPENERS	Disapproved	1st Priority				SU-MECH
9PF1	531	90973	Admin System 9PF1, Common Fire Pump System	INSTALL PERMANENT LABELS ON ALL 8 FIRE-SMOKE DAMPENERS AND INSPECT DAMPER	Disapproved	1st Priority				SU-MECH
9PF1	531	237003	Admin System 9PF1, Common Fire Pump System	INSTALL PERMANENT TAG ON 9-PF-EPP-002	Disapproved	2nd Priority				ELECT
9PF1	531	237005	Admin System 9PF1, Common Fire Pump System	9PF01AXA IS NOT TERMED	Disapproved	2nd Priority				ELECT
9PF3	651	87755	Common, 9PF3, Wet Pipe Sprinkler System	WIRES 9PF02AXF AND 9PF02AXE INSIDE 9-PF-MFAP-001 NOT TERMINATED - NOT DONE	Disapproved	1st Priority	RLS 02-04-2014			SU-ELECT
9PF3	651	87759	Common, 9PF3, Wet Pipe Sprinkler System	VERIFY 9-PF-EPP-001 IS CONNECTED TO 9-PF-MFAP-001	Disapproved	2nd Priority				SU-ELECT
9PW1	532	367467	Admin Building System 9PW1, Potable Water System	<i>Updated by Terry Vosler to clarify requirements for final system approval. Admin Building System-9PW1- Disapproved See attached for approved and disapproved items. IN ADDITION TO RESOLVING THE DISAPPROVED EQUIPMENT IN THE ATTACHED EQUIPMENT LIST, A RE-INSPECTION BY THE SAN BERNARDINO COUNTY ENVIRONMENTAL HEALTH DEPARTMENT AND THE CBO IS REQUIRED TO OBTAIN APPROVAL AS A WATER TREATMENT FACILITY IN ORDER TO USE AND/OR CONSUME THE POTABLE WATER AND TO RECEIVE FINAL CBO APPROVAL OF THIS SYSTEM. ALSO ALL OF THE POTABLE WATER LINES ARE REQUIRED TO BE SANITIZED THEN TESTED AND TEST REPORTS ARE REQUIRED TO BE SUBMITTED TO THE SAN BERNARDINO COUNTY ENVIRONMENTAL HEALTH DEPARTMENT, WITH A COPY TO THE CBO, FOR REVIEW AND APPROVAL PRIOR TO USE OF THE SYSTEM TO SUPPLY POTABLE WATER. Provide spill protection basin per CFC 2704.2.1 thru 2704.2.3 secondary containment. Provide backflow protection on the hose bibs in the warehouse area per the California Plumbing Code and San Bernardino County Health. - Update to Admin Building System 9PW1, Potable Water System - DISAPPROVED - See attachment clarification of items inspected, the work is not in compliance with approved plans and applicable (LORS) Laws, Ordinance's, Regulation and standards.</i>	Disapproved	1st Priority	5/9/14 MS			
9PW1	532	54969	Admin Building System 9PW1, Potable Water System	OBTAIN PERMIT FROM SAN BERNARDINO COUNTRY TO MAKE POTABLE WATER.	Disapproved	1st Priority				1/0/1900
9PW1	532	61637	Admin Building System 9PW1, Potable Water System	TEST TEMP AND PRESSURE VALVE ON HOT WATER HEATER IN ADMIN BLDG ONCE POTABLE WATER IS AVAILABLE	Disapproved	2nd Priority				SU-PIPING
9PW1	532	61638	Admin Building System 9PW1, Potable Water System	TIGHTEN SEISMIC STRAPS ON HOT WATER HEATER ONCE POTABLE WATER IS AVAILABLE AND TANK IS FULL OF WATER	Disapproved	2nd Priority				PIPING
9PW1	532	237198	Admin Building System 9PW1, Potable Water System	REMOVE UNIT 1 TAG ON 9-PW-PI-1020.	Disapproved	2nd Priority				MECH
9PW1	532	237199	Admin Building System 9PW1, Potable Water System	REMOVE UNIT 1 TAG ON 9-PW-PI-2020.	Disapproved	2nd Priority				MECH
9PW1	532	237208	Admin Building System 9PW1, Potable Water System	PUT POTABLE WATER IN ADMIN BUILDING BATTERY ROOM EYE WASH STATION	Disapproved	1st Priority				SU-MECH
9PW1	532	237216	Admin Building System 9PW1, Potable Water System	9-PW-MP-001B IS MISSING LOCK WASHERS ON BOTH NORTH FEET (2)	Disapproved	1st Priority				MECH
9PW1	532	237224	Admin Building System 9PW1, Potable Water System	TEST HOSE BIBS BY 3RD PARTY (CBO REQUIREMENT)	Disapproved	1st Priority				PE
9PW1	532	367468	9-PW-EPP-001_COMMON AREA PW TREATMENT SKID CTRL PANEL	Provide a level safe working space per 110.26 CEC - NOT READY	Disapproved	1st Priority	5/7/14 MS			

SYSTEM	INSPECTION REQUEST/ REPORT #	ITEM #	E_ID / AREA TO BE INSPECTED	PUNCH LIST DATE June 5, 2014 DESCRIPTION / COMMENTS	STATUS	PRIORITY	CBO DATE & INITIAL	CBO/INSPECTOR SIGNATURE	NOTES	BECHTEL'S DISCIPLINE
9VB1	650	90880	Common Area, System 9VB1, Control Rm	INSPECT 9-VB-HUM-1, 9-VB-HUM-2, 9-VB-HUM-3, 9-VB-HUM-4, 9-VB-HUM-5 AFTER THE POTABLE WATER SYSTEM IS COMMISSIONED.	Disapproved	2nd Priority				SUBCON
9VB1	650	90884	Common Area, System 9VB1, Control Rm	INSTALL MISSING CEILING PANELS IN THE MEDIA/IT ROOM (LOCATION OF HP- 11)	Disapproved	1st Priority				MECH
9VB1	650	90885	Common Area, System 9VB1, Control Rm	INSTALL MISSING CEILING PANELS IN THE SOUTH ENTRANCE CORRIDOR INTO THE CONTROL EQUIPMENT ROOM	Disapproved	1st Priority				MECH
9VB1	650	90886	Common Area, System 9VB1, Control Rm	INSTALL MISSING GRILL ON THE HVAC VENT IN THE BATTERY ROOM	Disapproved	1st Priority				SU-MECH
9VB1	650	90890	Common Area, System 9VB1, Control Rm	THREADED FEMALE BUSHING TO MALE COPPER FITTING ON CONDENSATE LINE OF HVAC UNIT HP-7. INCORRECT FEMALE PVC TO COPPER CONNECTION PER CODE.	Disapproved	1st Priority				MECH
9VB1	650	90891	Common Area, System 9VB1, Control Rm	MISSING HARDWARE/SCREWS ON HVAC UNIT HP-7	Disapproved	1st Priority				MECH
9VB1	650	90900	Common Area, System 9VB1, Control Rm	THREADED FEMALE BUSHING TO MALE COPPER FITTING ON CONDENSATE LINE OF HVAC UNIT HP-6. INCORRECT FEMALE PVC TO COPPER CONNECTION PER CODE.	Disapproved	1st Priority				MECH
9VB1	650	90901	Common Area, System 9VB1, Control Rm	MISSING HARDWARE/SCREWS ON HVAC UNIT HP-6	Disapproved	2nd Priority				MECH
9VB1	650	90903	Common Area, System 9VB1, Control Rm	INSTALL PERMANENT TAG ON CU-3	Disapproved	2nd Priority				MECH
9VB1	650	90907	Common Area, System 9VB1, Control Rm	INSTALL PERMANENT TAG ON CU-2	Disapproved	2nd Priority				MECH
9VB1	650	90909	Common Area, System 9VB1, Control Rm	INSTALL PERMANENT TAG ON CU-1	Disapproved	1st Priority				MECH
9VB1	650	90911	Common Area, System 9VB1, Control Rm	INSTALL LARGER WASHER ON SOUTH EAST ANCHOR/FOOT OF CU-2	Disapproved	2nd Priority				MECH
9VB1	650	90915	Common Area, System 9VB1, Control Rm	INSTALL PERMANENT TAG ON HVAC UNIT HP-9	Disapproved	1st Priority				MECH
9VB1	650	90917	Common Area, System 9VB1, Control Rm	INSTALL PERMANENT TAG ON HVAC UNIT HP-10	Disapproved	1st Priority				MECH
9VB1	650	90920	Common Area, System 9VB1, Control Rm	INSTALL PERMANENT TAG ON HVAC UNIT HP-11	Disapproved	1st Priority				MECH
9VB1	650	90924	Common Area, System 9VB1, Control Rm	MISSING HARDWARE/SCREWS ON HVAC UNIT HP-8	Disapproved	2nd Priority				MECH
9VB1	650	90925	Common Area, System 9VB1, Control Rm	THREADED FEMALE BUSHING TO MALE COPPER FITTING ON CONDENSATE LINE OF HVAC UNIT HP-8. INCORRECT FEMALE PVC TO COPPER CONNECTION PER CODE.	Disapproved	1st Priority				MECH
9VB1	650	90933	Common Area, System 9VB1, Control Rm	MISSING HARDWARE/SCREWS ON HVAC UNIT HP-4	Disapproved	2nd Priority				MECH
9VB1	650	90934	Common Area, System 9VB1, Control Rm	LOOSE HARDWARE/SCREWS ON HVAC UNIT HP-4	Disapproved	1st Priority				MECH
9VB1	650	90935	Common Area, System 9VB1, Control Rm	THREADED FEMALE BUSHING TO MALE COPPER FITTING ON CONDENSATE LINE OF HVAC UNIT HP-4. INCORRECT FEMALE PVC TO COPPER CONNECTION PER CODE.	Disapproved	1st Priority				MECH
9VB1	650	90940	Common Area, System 9VB1, Control Rm	MISSING HARDWARE/SCREWS ON HVAC UNIT HP-5	Disapproved	2nd Priority				MECH
9VB1	650	90941	Common Area, System 9VB1, Control Rm	THREADED FEMALE BUSHING TO MALE COPPER FITTING ON CONDENSATE LINE OF HVAC UNIT HP-5. INCORRECT FEMALE PVC TO COPPER CONNECTION PER CODE.	Disapproved	1st Priority				MECH
9VB1	650	90946	Common Area, System 9VB1, Control Rm	MISSING HARDWARE/SCREWS ON HVAC UNIT HP-3	Disapproved	2nd Priority				MECH
9VB1	650	90947	Common Area, System 9VB1, Control Rm	THREADED FEMALE BUSHING TO MALE COPPER FITTING ON CONDENSATE LINE OF HVAC UNIT HP-3. INCORRECT FEMALE PVC TO COPPER CONNECTION PER CODE.	Disapproved	1st Priority				MECH
9VB1	650	90948	Common Area, System 9VB1, Control Rm	SEAL/FIX DUCT OPENING ON NORTHSIDE ON HVAC UNIT HP-3	Disapproved	2nd Priority				MECH
9VB1	650	90954	Common Area, System 9VB1, Control Rm	MISSING HARDWARE/SCREWS ON HVAC UNIT HP-1	Disapproved	2nd Priority				MECH
9VB1	650	90956	Common Area, System 9VB1, Control Rm	THREADED FEMALE BUSHING TO MALE COPPER FITTING ON CONDENSATE LINE OF HVAC UNIT HP-1. INCORRECT FEMALE PVC TO COPPER CONNECTION PER CODE.	Disapproved	1st Priority				MECH
9VB1	650	90963	Common Area, System 9VB1, Control Rm	MISSING HARDWARE/SCREWS ON HVAC UNIT HP-2	Disapproved	2nd Priority				MECH
9VB1	650	90964	Common Area, System 9VB1, Control Rm	THREADED FEMALE BUSHING TO MALE COPPER FITTING ON CONDENSATE LINE OF HVAC UNIT HP-2. INCORRECT FEMALE PVC TO COPPER CONNECTION PER CODE.	Disapproved	1st Priority				MECH
UNIT 9		367469	9-EC-EA-P101_COMMON AREA 480VAC PANEL BD NEAR WATER WELL	Not in setRoute	Disapproved	1st Priority				

[illegible]

Exhibit 3

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

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Ivanpah SEGS Compliance Matrix rev 06/10/2014

	PURPLE FONT indicates new COC language																																				
Technical Area	COC	Description	Verification	Scheduled Submittal Date	Status	Date Submitted	Date Approved	NOTES	Milestone Description	MILESTONE DATES	REQUIRE D TIMING (days)	SCHEDULED SUBMITTAL DATE	STATUS																								
Air Quality Auxiliary 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).	N/A	Air Amendment #1 currently under review by CEC ; ATC Permit recvd from MDAQMD exp 10/31/13. New ATC Permits received from MDAQMD on 11/6/13 - exp. 10/31/14	Air Amendment #1 filed with the CEC and MDAQMD on 3/8/2012. AQ amendments approved by CEC on 3/13/13.	2/13/2013	Requests for Additional Information recvd from CEC 5/15/12, 6/14/12 Data Responses submitted 6/14/12, 7/11/12,																													
Air Quality Auxiliary 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.	N/A	On-going								RFS																								
Air Quality Auxiliary 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.	2014	Fuel monitoring in progress		2/13/2013	On-going					RFS																								
Air Quality Auxiliary 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.	N/A	ONGOING - OPERATIONS		2/13/2013						RFS																								
Air Quality Auxiliary Boilers	AQ-05	Conduct Initial Compliance Performance testing within 60 days after achieving the maximum production rate at which the boilers will operate, but not later than 180 days after initial startup (40 CFR 60.8(a). (Not later than 180 days after initial startup, the owner/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: <table><tr><th>Pollutant</th><th>ppmvd</th><th>Lb/MMBtu</th><th>Lb/hr</th></tr><tr><td>*NOx and 20)</td><td>9.0</td><td>0.011</td><td>2-6 2.7 (per USEPA Methods 19 and 20)</td></tr><tr><td>SO₂</td><td>1.7</td><td>0.003</td><td>0-6 0.7</td></tr><tr><td>*CO</td><td>25.0</td><td>0.018</td><td>4-2 4.6 (per USEPA Methods 10)</td></tr><tr><td>VOC and 18)</td><td>12.6</td><td>0.0054</td><td>1-2 1.3 (per USEPA Methods 25A and 18)</td></tr><tr><td>PM10</td><td>n/a</td><td>0.007</td><td>1.7 (per USEPA Methods-2014 5-8-202-of-CARB-Method-6)</td></tr></table> *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.	Pollutant	ppmvd	Lb/MMBtu	Lb/hr	*NOx and 20)	9.0	0.011	2-6 2.7 (per USEPA Methods 19 and 20)	SO ₂	1.7	0.003	0-6 0.7	*CO	25.0	0.018	4-2 4.6 (per USEPA Methods 10)	VOC and 18)	12.6	0.0054	1-2 1.3 (per USEPA Methods 25A and 18)	PM10	n/a	0.007	1.7 (per USEPA Methods-2014 5-8-202-of-CARB-Method-6)	The project owner shall notify the District and the CPM 30 days prior (within fifteen (15) working days) before the execution of the performance compliance test required in this condition, to allow the Mojave Desert AQMD time to schedule an observer be present (40 CFR 60.8 (d). The test results shall be submitted to the District and to the CPM within 180 days after Initial Startup (60 days of the date of the tests.)	UNIT 1 - Verification Task 1* estimated May 18, 2013; Verification Task 2* estimated May 4, 2013; Verification Task 3* prior to May 19, 2013; UNIT 2 TASK 1 ; TASK 2 ; TASK 3 UNIT 3 TASK 1 ; TASK 2 ; TASK 3	Air Amendment #1 currently under review by CEC ; ATC Permit recvd from MDAQMD exp 10/31/13. New ATCs received from MDAQMD on 11/6/13 - exp. 10/31/14 Unit 1 emissions test report submitted on 5/15/13. Stack Emissions re-test was completed on 9/12/13 Unit 2 emissions test completed on 8/24/13. Unit 3 emissions test completed on 9/10/13. Units 2 & 3 Force Majeure was submitted to MDAQMD and approved on 7/31/13	13-Feb-2013	Requests for Addit Info recvd from CEC 5/15/12, 6/14/12 Data Resp sub 6/14/12, 7/11/12, DRAFT ATCs sub from MDAQMD 9/04/12, first fire of aux Boiler set for 11/19/12. COMPLETED	Boiler 1 Anticipated Start-up Date/First Fire Boiler 2 Anticipated Start-up Date/First Fire Boiler 3 Anticipated Start-up Date/First Fire	19-Nov-2012 29-Jan-2013 9-Apr-2013	180 180 180	18-May-2013 28-Jul-2013 6-Oct-2013	COMP	
Pollutant	ppmvd	Lb/MMBtu	Lb/hr																																		
*NOx and 20)	9.0	0.011	2-6 2.7 (per USEPA Methods 19 and 20)																																		
SO ₂	1.7	0.003	0-6 0.7																																		
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VOC and 18)	12.6	0.0054	1-2 1.3 (per USEPA Methods 25A and 18)																																		
PM10	n/a	0.007	1.7 (per USEPA Methods-2014 5-8-202-of-CARB-Method-6)																																		
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: <table><tr><th>Pollutant</th><th>ppmvd</th><th>Lb/MMBtu</th><th>Lb/hr</th></tr><tr><td>*NOx</td><td>9.0</td><td>0.011</td><td>2-5 2.7 (per USEPA Methods 19 and 20)</td></tr><tr><td>SO₂</td><td>1.7</td><td>0.003</td><td>0-6 0.7</td></tr><tr><td>*CO</td><td>25.0</td><td>0.018</td><td>4-2 4.6 (per USEPA Methods 10)</td></tr><tr><td>VOC</td><td>12.6</td><td>0.0054</td><td>1-2 1.3 (per USEPA Methods 25A and 18)</td></tr><tr><td>PM10</td><td>n/a</td><td>0.007</td><td>1.7 (per USEPA Methods 2014 5-8-202-of-CARB-Method-6)</td></tr></table>	Pollutant	ppmvd	Lb/MMBtu	Lb/hr	*NOx	9.0	0.011	2-5 2.7 (per USEPA Methods 19 and 20)	SO ₂	1.7	0.003	0-6 0.7	*CO	25.0	0.018	4-2 4.6 (per USEPA Methods 10)	VOC	12.6	0.0054	1-2 1.3 (per USEPA Methods 25A and 18)	PM10	n/a	0.007	1.7 (per USEPA Methods 2014 5-8-202-of-CARB-Method-6)	The project owner shall notify the District and the CPM within 30 thirty 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 180 days after Initial Startup. (60 days of the date of the tests.)	Annually - beginning in 2014 360 days after initial compliance test	Not Yet Started	NA		Operations Action Items- Annual Testing after commissionin 9 Upcoming -	Boiler 1 Anticipated Start-up Date/First Fire Boiler 2 Anticipated Start-up Date/First Fire	9/18/2012 Comp plan submitted; first fire took place 11/19/12 24-Aug-2013	365 365	19-Jan-2014 27-May-2014	RFS
Pollutant	ppmvd	Lb/MMBtu	Lb/hr																																		
*NOx	9.0	0.011	2-5 2.7 (per USEPA Methods 19 and 20)																																		
SO ₂	1.7	0.003	0-6 0.7																																		
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PM10	n/a	0.007	1.7 (per USEPA Methods 2014 5-8-202-of-CARB-Method-6)																																		

Technical Area	COC	Description	Verification	Scheduled Submittal Date	Status	Date Submitted	Date Approved	NOTES	Milestone Description	MILESTONE DATES	REQUIRED TIMING (days)	SCHEDULED SUBMITTAL DATE	STATUS
		*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.						Aug. 2014	Boiler 3 Anticipated Start-up Date/First Fire	18-Sep-2013	365	18-Sep-2014	
Air Quality Auxiliary 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. (Submit to MDAQMD within 360 days of the initial startup (40 CFR 60.49 b (c))	2012	Air Amendment #1 currently under review by CEC ; ATC Permit recvd from MDAQMD exp 10/31/13; PLAN submitted 8/18/12	22-Aug-2012	13-Feb-2013	Plan submitted for Unit 1 8-22-12, First Fire Unit 1 took place 11/18/12;	Boiler 1 Anticipated Start-up Date/First Fire	18-Oct-2012	31	18-Nov-2012	RFS
									Boiler 2 Anticipated Start-up Date/First Fire	27-May-2013	30	27-Apr-2013	
									Boiler 3 Anticipated Start-up Date/First Fire	18-Sep-2013	30	19-Aug-2013	
Air Quality Auxiliary 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.	N/A	ONGOING - OPERATIONS		2/13/2013	Air Amendment #1 currently under review by CEC ; ATC Permit recvd from MDAQMD exp 10/31/13. New ATCs received from MDAQMD on 11/6/13 - exp. 10/31/14					RFS
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	28-Aug-2011	Submitted	28-Aug-2011	13-Feb-2013	Air Amendment #1 currently under review by CEC ; ATC Permit recvd from MDAQMD exp 10/31/13. New ATCs received from MDAQMD on 11/6/13 - exp. 10/31/14	Boiler 1 Stack Construction Date	7-May-2012	120	4-Sep-2012	NSR
									Boiler 2 Stack Construction Date	20-May-2012	120	17-Sep-2012	
									Boiler 3 Stack Construction Date	20-Jul-2012	120	17-Nov-2012	
Air Quality Auxiliary 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.	Before August 2013	Emissions estimation plan was submitted to CEC and BLM on 11/18/13	18-Nov-2013	13-Feb-2013	Air Amendment #1 currently under review by CEC ; ATC Permit recvd from MDAQMD exp 10/31/13. New ATCs received from MDAQMD on 11/6/13 - exp. 10/31/14	Boiler 1 Anticipated Start-up Date/First Fire	29-Jan-2013	360	24-Jan-2014	RFS
									Boiler 2 Anticipated Start-up Date/First Fire	27-May-2013	360	22-May-2014	
									Boiler 3 Anticipated Start-up Date/First Fire	18-Sep-2013	360	13-Sep-2014	
Air Quality Auxiliary 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.	N/A	ONGOING - OPERATIONS		2/13/2013	Ongoing					

Technical Area	COC	Description	Verification	Scheduled Submittal Date	Status	Date Submitted	Date Approved	NOTES	Milestone Description	MILESTONE DATES	REQUIRE D TIMING (days)	SCHEDULED SUBMITTAL DATE	STATUS
Air Quality Auxiliary Boilers	AQ-12	~~This boiler shall not burn more than 0.8 MMSCF of natural gas in any single day, and no more than The combined fuel use from the auxiliary boilers and nighttime preservation boilers shall not exceed 328 MMSCF of natural gas in any calendar year, combined fuel use is the sum total of natural gas combusted from Boilers with MDAQMD permit numbers: B010375, and B011544 (Ivanpah 1); B010376 and B011572 (Ivanpah 2); B010377 and B011573 (Ivanpah 3).~~ 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.	NA	Air Amendment #1 currently under review by CEC ; ATC Permit recvd from MDAQMD exp 10/31/13. New ATCs received from MDAQMD on 11/6/13 - exp. 10/31/14. Fuel Consumption monitorin on-going.	8-Mar-2012	2/13/2013	Requests for Additional Information recvd from CEC 5/15/12, 6/14/12 Data Responses submitted 6/14/12, 7/11/12, FINAL ATC received from MDAQMD 12/12. New ATCs received from MDAQMD on 11/6/13 - exp. 10/31/14					
Air Quality Fire Pumps	AQ-13	This system <u>engine, certified in accordance with 40 Code of Federal Regulations (CFR) part 89, and after treatment control device (if any)</u> 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 <u>according to the manufacturer's emission-related written instructions. Further, the owner/operator shall change only those emission-related settings that are permitted by 40 CFR 60 Subparts 60.4205 and 60.4211.</u> 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.	N/A	ONGOING - OPERATIONS		2/13/2013						
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	N/A	N/A		2/13/2013						
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.	N/A	N/A		2/13/2013						
Air Quality Fire Pumps	AQ-16	These <u>These</u> 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 GARB Diesel or equivalent requirements. <u>[17 California Code of Regulations (CCR) 93115.60.4207(b)]</u>	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.	N/A	ONGOING - OPERATIONS		2/13/2013						
Air Quality Fire Pumps	AQ-17	A non-resettable <u>meter with a minimum display of four-digit (9,999) hour</u> timer shall be installed and maintained on these units to indicate elapsed engine operating time. <u>[Title 17, CCR 93115.10(e)(1)], District and State Only.</u>	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.	15-Jun-2011	Submitted	6-Jun-2011	13-Feb-2013	Air Amendment #1 currently under review by CEC ; ATC Permit recvd from MDAQMD exp 10/31/13. New ATCs received from MDAQMD on 11/6/13 - exp. 10/31/14	Fire Pump 1 Installation Date	26-Sep-2011	30	26-Oct-2011	NSR
									Fire Pump 2 Installation Date	3-Apr-2012	30	3-May-2012	
									Fire Pump 3 Installation Date	20-Jun-2012	30	20-Jul-2012	
Air Quality Fire Pumps	AQ-18	These <u>These</u> 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 <u>0.5 hours per day for a total of</u> 50 hours per year for testing and maintenance, <u>excluding compliance source testing. Time required for source testing will not be counted toward the The</u> 50 hour per-year limit. <u>can be exceeded when the emergency fire pump assembly is 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," 1998 edition. This requirement includes usage during emergencies [District Rule 1302(C)(2)(a) and Rule 1304(D)(1)(a)] and 17CCR93115.3(n)] [Hours allowed by federal regulation 40 CFR 60.42(f) streamlined out as these permit requirements are more stringent than the federal regulatory requirements.]</u>	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.	N/A	ONGOING - OPERATIONS		2/13/2013	Air Amendment #1 currently under review by CEC ; ATC Permit recvd from MDAQMD exp 10/31/13. New ATCs received from MDAQMD on 11/6/13 - exp. 10/31/14					

Technical Area	COC	Description	Verification	Scheduled Submittal Date	Status	Date Submitted	Date Approved	NOTES	Milestone Description	MILESTONE DATES	REQUIRE D TIMING (days)	SCHEDULED SUBMITTAL DATE	STATUS
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.	N/A	N/A		2/13/2013	Air Amendment #1 currently under review by CEC ; ATC Permit recvd from MDAQMD exp 10/31/13					
Air Quality Fire Pumps	AQ-20 AQ-17	The owner/operator shall maintain <u>all</u> operations log for these <u>this</u> units current and on-site, (either at the engine location or at a on-site location), for a minimum of two (2) <u>five (5)</u> 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, <u>etc.</u>); c. <u>Monthly and</u> Calendar year operation in terms of fuel consumption (in gallons) and total hours (<u>17 CCR 93115</u>); 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); (<u>17 CCR 93115</u>) e. <u>Documentation of maintenance as per manufacturer's recommendations and good maintenance practices.</u>	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.	N/A	ONGOING - OPERATIONS								RC
Air Quality Fire Pumps	AQ-18	<u>These engines may operate in response to fire suppression requirements and needs. (Rule 204).</u>	<u>During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.</u>		ONGOING - OPERATIONS								
Air Quality Fire Pumps	AQ-21 AQ-19	<u>These fire protection <u>this</u> units are <u>is</u> subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR § 93115) and <u>40 Code of Federal Regulations (CFR) Part 60, Subpart III (NSPS)</u>. In the event of conflict between these conditions and the ATCM or NSPS, the more stringent requirements shall govern.</u>	<u>Not necessary. The project owner shall submit to the District and the CPM the engine specifications at least 30 days.</u>	N/A	ONGOING - OPERATIONS		2/13/2013						
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 III).	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.	2011	Submitted	6-Jun-2011	13-Feb-2013		Fire Pump 1- Purchase Date	3-Dec-2010	30	3-Nov-2010	NSR
									Fire Pump 2- Purchase Date	3-Dec-2010	30	3-Nov-2010	
									Fire Pump 3- Purchase Date	3-Dec-2010	30	3-Nov-2010	
Air Quality Emergency Generators	AQ-23 AQ-20	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) <u>This engine, certified in accordance with 40 CFR Part 89, and after treatment control device (if any) shall be installed, operated and maintained according to the manufacturer's emission-related written instructions. Further, the owner/operator shall change only those emission-related settings that are permitted by the manufacturer. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit. (40 CFR Part 60 Subparts 60.4205, and 60.4211)</u>	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.		Air Amendment #1 currently under review by CEC ; ATC Permit recvd from MDAQMD exp 10/31/13. New ATC Permits received from MDAQMD on 11/6/13 - exp. 10/31/14	Air Amendment #1 filed with the CEC and MDAQMD on 3/8/2012. AQ amendments approved by CEC on 3/13/13.	2/13/2013	Requests for Additional Information recvd from CEC 5/15/12, 6/14/12 Data Responses submitted 6/14/12, 7/11/12, DRAFT ATCs submitted from MDAQMD 9/04/12					
Air Quality Emergency Generators	AQ-24 AQ-21	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. (<u>17 CCR 93115, 60.4207(b)</u>)	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.	N/A	ONGOING - OPERATIONS		2/13/2013						
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.	N/A	N/A		2/13/2013						
Air Quality		A non-resettable hour meter with a minimum display of four-digit (9,999) hours timer shall	At least thirty (30) days prior to the installation of the						Generator 1 Installation Date	2-Apr-2012	30	2-May-2012	

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Emergency Generators	AQ-26 AQ-22	be installed and maintained on this unit to indicate elapsed engine operating time. [Title 17 CCR §93115.10(e)(1)], District and State Only	engine, the project owner shall provide the District and the CPM the specification of the hour timer.	30-Sep-2011	Submitted	26-Sep-2011	13-Feb-2013		Generator 2 Installation Date	27-May-2012	30	26-Jun-2012	NSR
									Generator 3 Installation Date	26-Jun-2012	30	26-Jul-2012	
Air Quality - Emergency Y. Generators	AQ-23	This unit shall not be used to provide power during a voluntary 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. [17 CCR 93115] [40 CFR 60 Subpart III] allowance for DRP streamlined out.]	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.		ONGOING - OPERATIONS		2/13/2013						
Air Quality Emergency Generators	AQ-27 AQ-24	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 <u>0.5 hours per day of</u> 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. [NSR and 17 CCR 93115] [Hours allowed by 60.42 (I) streamlined out.]	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.	N/A	ONGOING - OPERATIONS		2/13/2013						
Air Quality Emergency Generators	AQ-28 AQ-25	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, etc.); c. Monthly and calendar year operation in terms of fuel consumption (in gallons) and total hours [17 CCR 93115]; 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) [17 CCR 93115] and , 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.	N/A	ONGOING - OPERATIONS		2/13/2013						RC
Air Quality Emergency Generators	AQ-29 AQ-26	This genset unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR §93115) and 40 CFR 60, Part 60, Subpart III (NSPS) . In the event of conflict between these conditions and the ATCM or NSPS, the more stringent requirements shall govern.	Not necessary. 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 the ATCM and NSPS emission limit requirements at the time of engine purchase.	N/A	ONGOING - OPERATIONS		2/13/2013						
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.~~	N/A	N/A		2/13/2013						
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 III).	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.	2011	Submitted	6-Jun-2011			Generator 1- Purchase Date	30-Aug-2010	30	29-Sep-2010	NSR
									Generator 2- Purchase Date	30-Aug-2010	30	29-Sep-2010	
									Generator 3- Purchase Date	30-Aug-2010	30	29-Sep-2010	
CONDITIONS APPLICABLE TO IVANPAH 1,2, & 3 (Three -3) NIGHTTIME PRESERVATION BOILERS. MDAQMD APPLICATION NUMBERS/PERMIT NUMBERS; MD100000063 (B011544). MD100000064 (B011572) & MD100000065 (B011573)													
Air Quality - Nighttime Preservation Boilers	AQ-27	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).		ONGOING - OPERATIONS		2/13/2013						
Air Quality - Nighttime Preservation Boilers	AQ-28	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.		ONGOING - OPERATIONS		2/13/2013						
Air Quality - Nighttime Preservation Boilers	AQ-29	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 proof that only pipeline quality, or Public Utility Commission regulated natural gas is used in these boilers.		ONGOING - OPERATIONS		2/13/2013						
Air Quality - Nighttime Preservation Boilers	AQ-30	The 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 BTUs, 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.		ONGOING - OPERATIONS		2/13/2013						

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Air Quality - Nighttime Preservation on Boilers	AQ-31	The owner/operator shall perform annual tune-ups in accordance with the unit manufacturer's specified tune-up procedure, by a qualified technician.	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or Energy Commission staff.		ONGOING - OPERATIONS		2/13/2013						
Air Quality - Nighttime Preservation on Boilers	AQ-32	Records of fuel supplier certifications of fuel sulfur content shall be maintained to demonstrate compliance with the sulfur dioxide and particulate matter emission limits.	Condition of Certification AQ-29 shall be used to demonstrate compliance with this condition.		ONGOING - OPERATIONS		2/13/2013						
Air Quality - Nighttime Preservation on Boilers	AQ-33	The owner/operator shall continuously monitor and record fuel flow rate.	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.		ONGOING - OPERATIONS		2/13/2013						
Air Quality - Nighttime Preservation on Boilers	AQ-34	The combined fuel use from the auxiliary boiler and the nighttime preservation boiler shall not exceed 328 MMSCF of natural gas in any calendar year; combined fuel use is the sum total of natural gas combusted from Boilers with MDAQMD permit numbers: B010375 and B011544 (Ivanpah 1); B010376 and B011572 (Ivanpah 2); B01 0377, and B011573 (Ivanpah 3).	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.		ONGOING - OPERATIONS		2/13/2013						
CONDITIONS APPLICABLE TO COMMON AREA EMERGENCY GENERATOR, MDAQMD APPLICATION NUMBERS/PERMIT NUMBERS MD10000061 (E011546)													
Air Quality - Common Area Emergency V. Generator	AQ-35	This engine, certified in accordance with 40 CFR Part 89, and after treatment control device, (if any) shall be installed, operated and maintained according to the manufacturer's emission-related written instructions. Further, the owner/operator shall change only those emission-related settings that are permitted by the manufacturer. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit. [40 CFR Part 60 Subparts 60.4205, and 60.4211]	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.		ONGOING - OPERATIONS		2/13/2013						
Air Quality - Common Area Emergency V. Generator	AQ-36	This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15 ppm) on a weight per weight basis per CARB Diesel or equivalent requirements. [17 CCR 93115: 60.4207(b)]	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.		ONGOING - OPERATIONS		2/13/2013						
Air Quality - Common Area Emergency V. Generator	AQ-37	A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time. [Title 17, CCR 93115.1 (e)(1) U. District and State Only]	At least thirty (30) days prior to the installation of each engine, the project owner shall provide the District and the CPM the specification of the hour timer.		CLA EDG hour specifications submitted on 3/21/13	21-Mar-2013							
Air Quality - Common Area Emergency V. Generator	AQ-38	This unit shall not be used to provide power during a voluntary power outage and/or power reduction initiated under an Interruptible Service Contract (ISC), Demand Response Program (ORP), Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier. [17 CCR 93115] [40 CFR 60 Subpart IIII allowance for DRP streamlined out.]	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.		ONGOING - OPERATIONS		2/13/2013						
Air Quality - Common Area Emergency V. Generator	AQ-39	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 0.5 hrs per day for a total of 50 hours per year for testing and maintenance. [NSR and 17 CCR 93115] [Hours allowed by 60.42(f) streamlined out.]	During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.		ONGOING - OPERATIONS		2/13/2013						

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Air Quality - Common Area Emergency V. Generator	AQ-40	<i>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:</i> <i>a. Date of each use and duration of each use (in hours);</i> <i>b. Reason for use (testing & maintenance, emergency, required emission testing, etc.);</i> <i>c. Monthly and calendar year operation in terms of fuel consumption (in gallons) and total hours [17 CCR 93115]; and,</i> <i>d. Fuel sulfur concentration (the olo may use the supplier's certification of sulfur content if it is maintained as part of this log.) [17 CCR 93115]</i>	<i>During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.</i>		ONGOING - OPERATIONS		2/13/2013						
Air Quality - Common Area Emergency V. Generator	AQ-41	<i>This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (17 CCR 93115) and 40 CFR Part 60, Subpart 1111 (NSPS). In the event of conflict between these conditions and the ATCM or NSPS, the more stringent requirements shall govern.</i>	<i>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 the ATCM and NSPS emission limit requirements at the time of engine purchase.</i>		CLA EDG Engine specifications submitted on 3/21/13	21-Mar-2013							
CONDITIONS APPLICABLE TO THE COMMON AREA EMERGENCY FIRE PUMP, MDAQMD APPLICATION NUMBERS/PERMIT NUMBERS; MD10000062 (E011547)													
Air Quality - Common Area Emergency V Fire Pump	AQ-42	<i>This engine, certified in accordance with 40 CFR Part 89, and after treatment control device, (if any) shall be installed, operated and maintained according to the manufacturer's emission-related written instructions. Further, the owner/operator shall change only those emission-related settings that are permitted by the manufacturer. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit. (40 CFR Part 60 Subparts 60.4205 and 60.4211)</i>	<i>During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.</i>		ONGOING - OPERATIONS		2/13/2013						
Air Quality - Common Area Emergency V Fire Pump	AQ-43	<i>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. [17 CCR 93115; 60.4207(b)]</i>	<i>During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.</i>		ONGOING - OPERATIONS		2/13/2013						
Air Quality - Common Area Emergency V Fire Pump	AQ-44	<i>A non-resettable hour meter with a minimum display capability of 9,999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time. (Title 17, CCR 93115.10(e)(1)). District and State Only</i>	<i>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.</i>		ONGOING - OPERATIONS								
Air Quality - Common Area Emergency V Fire Pump	AQ-45	<i>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 0.5 hrs per day for a total of 50 hours per year for testing and maintenance. The 50 hour limit can be exceeded when the emergency fire pump assembly is driven directly by a stationary diesel fueled CI engine 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," 1998 edition. This requirement includes usage during emergencies. (District Rule 1302(C)(2)(a) and Rule 1304 (D)(1)(a)) and 17 CCR 93115.3(n)) (Hours allowed by federal regulation 40 CFR 60.42(f) streamlined out as these permit requirements are more stringent than the federal regulatory requirements.)</i>	<i>During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.</i>		ONGOING - OPERATIONS		2/13/2013						
Air Quality - Common Area Emergency V Fire Pump	AQ-46	<i>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:</i> <i>a. Date of each use and duration of each use (in hours);</i> <i>b. Reason for use (testing & maintenance, emergency, required emission testing, etc.);</i> <i>c. Monthly and calendar year operation in terms of fuel consumption (in gallons) and total hours [17 CCR 93115]; and,</i> <i>d. Fuel sulfur concentration (the % may use the supplier's certification of sulfur content if it is maintained as part of this log.) [17 CCR 93115]</i>	<i>During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.</i>		ONGOING - OPERATIONS		2/13/2013						
Air Quality - Common Area Emergency V Fire Pump	AQ-47	<i>These engines may operate in response to fire suppression require-ments and needs. (Rule 204).</i>	<i>During site inspection, the project owner shall make all records and reports available to the District, ARB, U.S. EPA or CEC staff.</i>		ONGOING - OPERATIONS		2/13/2013						

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Air Quality - Common Area Emergency Fire Pump	AQ-48	<i>This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (17 CCR 893115) and 40 CFR Part 60, Subpart IIII (NSPS). In the event of conflict between these conditions and the ATCM or NSPS, the more stringent requirements shall govern.</i>	<i>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 the ATCM and NSPS emission limit requirements at the time of engine purchase.</i>		ONGOING - OPERATIONS		2/13/2013						
Air Quality General	AQSC-01	Air Quality Construction Mitigation Manager (AQCOMM): The project owner shall designate and retain an on-site AQCOMM 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 AQCOMM may delegate responsibilities to one or more AQCOMM Delegates. The AQCOMM and AQCOMM 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 AQCOMM and AQCOMM Delegates may have other responsibilities in addition to those described in this condition. The AQCOMM 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 AQCOMM and all AQCOMM Delegates.	12-Jul-2010	Approved	7/16/2010;	7-Oct-2010						COMP
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.	21-Jun-2010	Approved	7/9/2010; 12/20/2010 (Amend. 1); 3/11/2011 to CEC(rev 1); 3/14/12 rev 1 to BLM	7-Oct-2010						COMP
Air Quality General	AQSC-03	Construction Fugitive Dust Control: The AQCOMM 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 AQCOMM 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 AQCOMM to verify compliance with this condition. Such information may be provided via electronic format or disk at the project owner's discretion.	Monthly	ONGOING: Reported MONTHLY	21-Dec-2010	N/A	for verification of language in AQSC-3					RC
Air Quality General	AQSC-03 (continued)	Construction Fugitive Dust Control: The AQCOMM 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 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.	Monthly	ONGOING: Reported MONTHLY	21-Dec-2010	N/A	for verification of language in AQSC-3					

Technical Area	COC	Description	Verification	Scheduled Submittal Date	Status	Date Submitted	Date Approved	NOTES	Milestone Description	MILESTONE DATES	REQUIRE D TIMING (days)	SCHEDULED SUBMITTAL DATE	STATUS
Air Quality General	AQSC-03 (continued-1)	Construction Fugitive Dust Control: The AQCM 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.	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 weighing 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 weighing agent, or alternative approved soil stabilizing methods, in order to comply with the dust mitigation objectives of Condition of Certification AQ-SC4. The frequency of watering can be reduced or eliminated during periods of precipitation.	Monthly	ONGOING: Reported MONTHLY	21-Dec-2010	N/A	for verification of language in AQSC-3					
Air Quality General	AQSC-03 (continued-2)	Construction Fugitive Dust Control: The AQCM 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.	c) No vehicle shall exceed 10 miles per hour on unpaved areas within the construction site, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions. d) Visible speed limit signs shall be posted at the construction site entrances. e) All construction equipment vehicle tires shall be inspected and washed as necessary to be cleaned free of dirt prior to entering paved roadways. f) Gravel ramps of at least 20 feet in length must be provided at the tire washing/cleaning station. g) All unpaved exits from the construction site shall be graveled or treated to prevent track-out to public roadways.	Monthly	ONGOING: Reported MONTHLY	21-Dec-2010	N/A	for verification of language in AQSC-3					
Air Quality General	AQSC-03 (continued-3)	Construction Fugitive Dust Control: The AQCM 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.	h) All construction vehicles shall enter the construction site through the treated entrance roadways, unless an alternative route has been submitted to and approved by the CPM and BLM Authorized Officer. i) Construction areas adjacent to any paved roadway below the grade of the surrounding construction area or otherwise directly impacted by sediment from site drainage shall be provided with sandbags or other equivalently effective measures to prevent run-off to roadways, or other similar run-off control measures as specified in the Storm Water Pollution Prevention Plan (SWPPP), only when such SWPPP measures are necessary so that this condition does not conflict with the requirements of the SWPPP.	Monthly	ONGOING: Reported MONTHLY	21-Dec-2010	N/A	for verification of language in AQSC-3					
Air Quality General	AQSC-03 (continued-4)	Construction Fugitive Dust Control: The AQCM 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.	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.	Monthly	Ongoing	N/A	N/A						RC

Technical Area	COC	Description	Verification	Scheduled Submittal Date	Status	Date Submitted	Date Approved	NOTES	Milestone Description	MILESTONE DATES	REQUIRE D TIMING (days)	SCHEDULED SUBMITTAL DATE	STATUS
Air Quality General	AQSC-03 (continued-5)	Construction Fugitive Dust Control: The AQCOMM 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.	l) All soil storage piles and disturbed areas that remain inactive for longer than 10 days shall be covered, or shall be treated with appropriate dust suppressant compounds. m) All vehicles that are used to transport solid bulk material on public roadways and that have potential to cause visible emissions shall be provided with a cover, or the materials shall be sufficiently wetted and loaded onto the trucks in a manner to provide at least one foot of freeboard. n) Wind erosion control techniques (such as windbreaks, water, chemical dust suppressants, and/or vegetation) shall be used on all construction areas that may be disturbed. Any windbreaks installed to comply with this condition shall remain in place until the soil is stabilized or permanently covered with vegetation	Monthly									RC
Air Quality General	AQSC-04	Dust Plume Response Requirement: The AQCOMM or an AQCOMM 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 AQCOMM shall include a section detailing how the additional mitigation measures will be accomplished within the time limits specified. The AQCOMM or Delegate shall implement the following procedures for additional mitigation measures in the event that such visible dust plumes are observed:	The AQCOMM 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 AQCOMM to verify compliance with this condition. Such information may be provided via electronic format or disk at the project owner's discretion.	Monthly	Ongoing	N/A	N/A						RC
Air Quality General	AQSC-04 (continued)	The AQCOMM or Delegate shall implement the following procedures for additional mitigation measures in the event that such visible dust plumes are observed: Step 1: The AQCOMM or Delegate shall direct more intensive application of the existing mitigation methods within 15 minutes of making such a determination. Step 2: The AQCOMM 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 AQCOMM 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 AQCOMM 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 AQCOMM 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 AQCOMM 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 AQCOMM to verify compliance with this condition. Such information may be provided via electronic format or disk at the project owner's discretion.	Monthly	Ongoing	N/A	N/A						RC
Air Quality General	AQSC-05	Diesel-Fueled Engine Control: The AQCOMM 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 AQCOMM shall include in the Monthly Compliance Report (COMPLIANCE-6) the following to demonstrate control of diesel construction-related emissions: A. A summary of all actions taken to maintain compliance with this condition; B. A list of all heavy equipment used on site during that month, including the owner of that equipment and a letter from each owner indicating that equipment has been properly maintained; and C. Any other documentation deemed necessary by the CPM, and the AQCOMM to verify compliance with this condition. Such information may be provided via electronic format or disk at the project owner's discretion.	Monthly	Ongoing	N/A	N/A	Air Amendment #1 currently under review by CEC ; ATC Permit recvd from MDAQMD exp 10/31/13 New ATCs received from MDAQMD on 11/6/13 - exp. 10/31/14					RC
Air Quality General	AQSC-05 (continued)	Diesel-Fueled Engine Control: The AQCOMM 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 following off-road diesel construction equipment mitigation measures shall be included in the Air Quality Construction Mitigation Plan (AQCMP) required by AQ-SC2: a. All diesel-fueled engines used in the construction of the facility shall have clearly visible tags issued by the on-site AQCOMM showing that the engine meets the conditions set forth herein.	Monthly	Ongoing	N/A	N/A	Air Amendment #1 currently under review by CEC ; ATC Permit recvd from MDAQMD exp 10/31/13. New ATCs received from MDAQMD on 11/6/13 - exp. 10/31/14					RC

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Air Quality General	AQSC-05 (continued-1)	Diesel-Fueled Engine Control: The AQCM 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.	b. All construction diesel engines with a rating of 50 hp or higher shall meet, at a minimum, the Tier 3 California Emission Standards for Off-Road Compression-Ignition Engines, as specified in California Code of Regulations, Title 13, section 2423(b)(1), unless a good faith effort to the satisfaction of the CPM that is certified by the on-site AQCM demonstrates that such engine is not available for a particular item of Ivanpah Solar Electric Generating System Page 9 07-AFC-5 equipment. In the event that a Tier 3 engine is not available for any offroad equipment larger than 100 hp, that equipment shall be equipped with a Tier 2 engine, or an engine that is equipped with retrofit controls to reduce exhaust emissions of nitrogen oxides (NOx) and diesel particulate matter (DPM) to no more than Tier 2 levels unless certified by engine manufacturers or the on-site AQCM that the use of such devices is not practical for specific engine types. For purposes of this condition, the use of such devices is "not practical" for the following, as well as other, reasons.	Monthly	Ongoing	N/A	N/A	Air Amendment #1 currently under review by CEC ; ATC Permit recvd from MDAQMD exp 10/31/13					RC
Air Quality General	AQSC-05 (continued-2)	Diesel-Fueled Engine Control: The AQCM 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.	1. There is no available retrofit control device that has been verified by either the California Air Resources Board or U.S. Environmental Protection Agency to control the engine in question to Tier 2 equivalent emission levels and the highest level of available control using retrofit or Tier 1 engines is being used for the engine in question; or 2. The construction equipment is intended to be on site for 5 days or less. 3. The CPM may grant relief from this requirement if the AQCM can demonstrate a good faith effort to comply with this requirement and that compliance is not practical.c. The use of a retrofit control device may be terminated im mediately, provided that the CPM is informed within 10 working days of the termination and that a replacement for the equipment item in question meeting the controls required in item "b" occurs within 10 days of termination of the use, if the equipment would be needed to continue working at this site for more than 15 days after the use of the retrofit control device is terminated, if one of the following conditions exists : 1. The use of the retrofit control device is excessively reducing the normal availability of the construction equipment due to increased down time for maintenance, and/or reduced power output due to an excessive increase in back pressure.	Monthly	Ongoing	N/A	N/A						RC
Air Quality General	AQSC-06	The project owner, when obtaining dedicated on or off-road vehicles for mirror washing activities and other facility maintenance activities, shall only obtain new model year vehicles that meet California on-road vehicle emission standards or appropriate U.S.EPA/California off-road engine emission standards for the model year when obtained.	At least 60 days prior to the start of commercial operation, the project owner shall submit to the CPM a copy of the plan that identifies the size and type of the on-site vehicle and equipment fleet and the vehicle and equipment purchase orders and contracts and/or purchase schedule. The plan shall be updated every other year and submitted in the Annual Compliance Report (COMPLIANCE-7).	Q3 2013	Off-road vehicles for mirror washing activities plan submitted to CEC/BLM on 8/22/13	22-Aug-2013		OPERATIONS Action Items	Unit 1 Start of commerial operation	1-Jul-2013	60	2-May-2013	RFS

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Air Quality General	AQSC-07	The project owner shall provide a <u>site operations dust control plan</u>, including all applicable fugitive dust control measures identified in the verification of AQ-SC3 that would be applicable to reducing fugitive dust from ongoing operations; that: A. describes the active operations and wind erosion control techniques such as windbreaks and chemical dust suppressants, including their ongoing maintenance procedures, that shall be used on areas that could be disturbed by vehicles or wind anywhere within the project boundaries; and B. identifies the location of signs throughout the facility that will limit traveling on unpaved portion of roadways to solar equipment maintenance vehicles only. In addition, vehicle speed shall be limited to no more than 10 miles per hour on these unpaved roadways, with the exception that vehicles may travel up to 25 miles per hour on stabilized unpaved roads as long as such speeds do not create visible dust emissions. The site Operations Fugitive Dust Control Plan shall include the use of durable non-toxic soil stabilizers on all regularly used unpaved roads and disturbed off-road areas, or alternative methods for stabilizing disturbed off-road areas, within the project boundaries, and shall include the inspection and maintenance procedures that will be undertaken to ensure that the unpaved roads remain stabilized. The soil stabilizer used shall be a non-toxic soil stabilizer or soil weighting agent that can be determined to be both as efficient or more efficient for fugitive dust control as ARB approved soil stabilizers, and shall not increase any other environmental impacts including loss of vegetation. <u>The performance and application of the fugitive dust controls shall also be measured against and meet the performance requirements of condition AQ-SC4. The performance requirements of AQ-SC4 shall also be included in the Operations Dust Control Plan.</u>	<u>At least 60 days prior to start of commercial operation</u>, the project owner shall submit to the BLM's Authorized Officer and the CPM for review and approval a copy of the <u>Site Operations Dust Control Plan</u> 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. <u>Within 60 days after commercial operation</u>, 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.	Q3 2013	Site Operations Dust Control Plan submitted to CEC/BLM on 8/27/13	27-Aug-2013		OPERATIONS Action Items	Unit 1 Start of commercial operation	1-Jul-2013	60	2-May-2013	RFS																								
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.	TBD	MDAQMD ATC Permits - exp. 10/31/14 was submitted to CEC on 11/19/13	19-Nov-2013		Air Amendment #1 currently under review by CEC ; ATC Permit recvd from MDAQMD exp 10/31/13, NEW ATC Permits submitted to CPM by Sierra research and MDAQMD, 12/03/12																													
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.	2011	Submitted	6-Jun-2011		Air Amendment #1 currently under review by CEC ; ATC Permit recvd from MDAQMD exp 10/31/13	<table><tr><td>Fire Pump 1 In</td><td>26-Sep-2011</td><td>1</td><td>25-Sep-2011</td></tr><tr><td>Fire Pump 2 In</td><td>3-Apr-2012</td><td>1</td><td>2-Apr-2012</td></tr><tr><td>Fire Pump 3 In</td><td>20-Jun-2012</td><td>1</td><td>19-Jun-2012</td></tr><tr><td>Generator 1 In</td><td>2-Apr-2012</td><td>1</td><td>1-Apr-2012</td></tr><tr><td>Generator 2 In</td><td>27-May-2012</td><td>1</td><td>26-May-2012</td></tr><tr><td>Generator 3 In</td><td>26-Jun-2012</td><td>1</td><td>25-Jun-2012</td></tr></table>	Fire Pump 1 In	26-Sep-2011	1	25-Sep-2011	Fire Pump 2 In	3-Apr-2012	1	2-Apr-2012	Fire Pump 3 In	20-Jun-2012	1	19-Jun-2012	Generator 1 In	2-Apr-2012	1	1-Apr-2012	Generator 2 In	27-May-2012	1	26-May-2012	Generator 3 In	26-Jun-2012	1	25-Jun-2012				NSR
Fire Pump 1 In	26-Sep-2011	1	25-Sep-2011																																		
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Generator 1 In	2-Apr-2012	1	1-Apr-2012																																		
Generator 2 In	27-May-2012	1	26-May-2012																																		
Generator 3 In	26-Jun-2012	1	25-Jun-2012																																		
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.	2014	Not yet started			Air Amendment #1 currently under review by CEC ; ATC Permit recvd from MDAQMD exp 10/31/13					NSR																								

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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.	11-Jun-2010	Approved	11-Jun-2010	30-Sep-2010						COMP
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. <u>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.</u>	Monthly	Ongoing							RC	
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. <u>During project operation</u>, 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.	Monthly	Ongoing							RC	

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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, BRMMP, 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.	11-Jun-2010	Approved	11-Jun-2010	30-Sep-2010						COMP
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. <u>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.</u>	Monthly	Ongoing								RC
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.	TBD	As needed								

Technical Area	COC	Description	Verification	Scheduled Submittal Date	Status	Date Submitted	Date Approved	NOTES	Milestone Description	MILESTONE DATES	REQUIRE D TIMING (days)	SCHEDULED SUBMITTAL DATE	STATUS
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 <u>WEAP</u> 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. <u>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 the program 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.</u> <u>During project operation, signed statements for operational personnel shall be kept on file for six months following the termination of an individual's employment.</u>	2-Jul-2010	Approved and ONGOING WEAP reporting in the Monthly MCR	6-Jul-2010	3-Oct-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;	Owner shall submit the <u>BRMIMP</u> 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.	15-Jul-2010	Approved	7/16/2010; REVISION 2- UPDATED 4/11/2012 PER CEC REQUEST/ Revised Biological Opinion USFWS 4/22/12 added Re:Translocation		As a living document with many plans, approvals are given as revisions and updates are made to any of the plans, the latest revisions are kept on-site hard copy and electronically	Complete All Construction (Use Mechanical completion date for Unit 3)	10-Jul-2013	30	9-Aug-2013	COMP
Biological Resources	BIO-07 (continued)	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 notify BLM's Authorized Officer and the CPM and no less than five working days before implementing any modifications to the approved <u>BRMIMP</u> 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. <u>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.</u>	15-Jul-2010	Approved	7/16/2010; REVISION 2- UPDATED 4/11/2012 PER CEC REQUEST/ Revised Biological Opinion USFWS 4/22/12 added Re:Translocation		As a living document with many plans, approvals are given as revisions and updates are made to any of the plans, the latest revisions are kept on-site hard copy and electronically	Complete All Construction (Use Mechanical completion date for Unit 3)	10-Jul-2013	30	9-Aug-2013	COMP

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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.	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.	15-Nov-2010	ONGOING reported in the Monthly MCR								RC
Biological Resources	BIO-08 (Continued-1)	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 tortoise 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.	15-Nov-2010	ONGOING reported in the Monthly MCR								RC
Biological Resources	BIO-08 (Continued-2)	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 occurring 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/after 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.	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.	15-Nov-2010	Approved and Ongoing activities reported in Monthly MCR			Measures are being followed as needed according to construction activity					RC
Biological Resources	BIO-08 (Continued-3)	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.	15-Nov-2010	Approved and Ongoing activities reported in Monthly MCR			Measures are being followed as needed according to construction activity					RC

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Biological Resources	BIO-08 (Continued-4)	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.	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.	15-Nov-2010	Approved and Ongoing activities reported in Monthly MCR								RC
Biological Resources	BIO-08 (Continued-5)	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.	15-Nov-2010	Approved and Ongoing activities reported in Monthly MCR								RC
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 Guidance, 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.	2-Jul-2010	Approved	27-Sep-2010	11/4/2010 (rev. 4 - BLM)	Revised Husbandry Plan Rev 1 Submitted Dec 3, 2012					COMP
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.	TBD	As needed								

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Biological Resources	BIO-10 (Continued-1)	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 completed mitigation 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.	TBD	2011 Annual Report Submitted: Due each January	1/31/2011; 2011 Special Status Plants Annual Compliance Report submitted January 2012, revised March 7, 2012 and submitted; 2013 Annual Compliance Report submitted on 1/31/2014							
Biological Resources	BIO-10 (Continued-2)	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.	TBD	As needed, Information reported monthly in the MCR								
Biological Resources	BIO-10 (Continued-3)	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.	TBD	As needed, Information reported monthly in the MCR								
Biological Resources	BIO-10 (Continued-4)	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.	TBD	As needed, Information reported monthly in the MCR								

Technical Area	COC	Description	Verification	Scheduled Submittal Date	Status	Date Submitted	Date Approved	NOTES	Milestone Description	MILESTONE DATES	REQUIRE D TIMING (days)	SCHEDULED SUBMITTAL DATE	STATUS
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.	Monthly	As needed, Information reported monthly in the MCR	OCTOBER 29,2012 REV.4			Complete All Construction (Use Mechanical completion date for Unit 3)	10-Jul-2013	30	9-Aug-2013	RC
Biological Resources	BIO-11 (Continued-1)	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.	Monthly	Ongoing				Complete All Construction (Use Mechanical completion date for Unit 3)	10-Jul-2013	30	9-Aug-2013	RC
Biological Resources	BIO-11 (Continued-2)	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 activities, 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.	Monthly	Ongoing As needed, Information reported monthly in the MCR				Complete All Construction (Use Mechanical completion date for Unit 3)	10-Jul-2013	30	9-Aug-2013	RC

Technical Area	COC	Description	Verification	Scheduled Submittal Date	Status	Date Submitted	Date Approved	NOTES	Milestone Description	MILESTONE DATES	REQUIRE D TIMING (days)	SCHEDULED SUBMITTAL DATE	STATUS
Biological Resources	BIO-11 (Continued-3)	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.	Monthly	Ongoing As needed, Information reported monthly in the MCR				Complete All Construction (Use Mechanical completion date for Unit 3)	10-Jul-2013	30	9-Aug-2013	RC
Biological Resources	BIO-11 (Continued-4)	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 possible, maintain a database of this information for all bird carcasses, and each year of operations shall 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.	Monthly	Ongoing As needed, Information reported monthly in the MCR, database kept updated			Complete All Construction (Use Mechanical completion date for Unit 3)	10-Jul-2013	30	9-Aug-2013	RC	

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Biological Resources	BIO-12	The project owner shall implement a <u>Raven Management Plan</u> 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. <u>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.</u>	15-Jul-2010	Approved	14-Oct-2010	10/14/2010 rev.3 1/30/13 rev. 4	Currently under revision not yet submitted as of 8/31/12. Revision 4 was submitted on 10/9/12 and approved on 1/30/13					rfs
Biological Resources	BIO-13	The project owner shall implement a <u>Weed Management Plan</u> 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. <u>Maintain vehicle wash and inspection stations and closely monitor the types of materials brought onto the site.</u> 3. Reestablish vegetation quickly on disturb+A1ed 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.	15-Jul-2010	Approved; Ongoing activities reported on in MCR Letters regarding the completion of the Weed Management Plan requirements will be issued to the agencies for all phases upon completion of Phase 3 Construction.	7-Jul-2010	10/6/2010 rev.2					RFS	
Biological	BIO-14	The project owner shall develop and implement a revised <u>Closure, Revegetation and Rehabilitation Plan (Plan)</u> 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 <u>Closure, Revegetation and Rehabilitation Plan</u> , 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,	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. <u>Within 30 days after completion of project construction for each phase of development, the project owner shall provide to BLM's Authorized</u>	18-Jul-2010	Approved; Letters regarding the completion of the Reveg and Closure requirements will	6-Jul-2010	7-Oct-2010		Unit 3 Substantial	30-Sep-2013	30	30-Oct-2013	RFS

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Resources	BIO-14	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.	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. <u>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.</u> 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.	10-Jun-2010	be issued to the agencies for all phases upon completion of Phase 3 Construction.	6-Jul-2010	7-Oct-2010		Substantial Completion	30-Sep-2013	30	30-Oct-2013	100
Biological Resources	BIO-14 (Continued-1)	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.	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. <u>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.</u> <u>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.</u> 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.	18-Jun-2010	Approved; Letters regarding the completion of the Reveg and Closure requirements will be issued to the agencies for all phases upon completion of Phase 3 Construction.	6-Jul-2010	7-Oct-2010		Unit 3 Substantial Completion	30-Sep-2013	30	30-Oct-2013	
Biological Resources	BIO-14 (Continued-2)	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.	See above sections	18-Jun-2010	Approved; Letters regarding the completion of the Reveg and Closure requirements will be issued to the agencies for all phases upon completion of Phase 3 Construction.	6-Jul-2010	7-Oct-2010		Unit 3 Substantial Completion	30-Sep-2013	30	30-Oct-2013	

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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.	3-Oct-2010	Approved, Ongoing activities as needed	3-Oct-2010	7-Oct-2010	10/4/10 rev 1, 10/15/10 rev 2					COMP
Biological Resources	BIO-16	The project owner shall implement the following measures for the <u>Burrowing Owl</u> : 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 areas 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.	7-Oct-2010	Approved, Ongoing activities as needed	15-Oct-2010	10/15/10 rev.2		first sale of power	1-Apr-2013	90	1-Jan-2013	COMP
Biological	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	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 ground-disturbing 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	15-Sep-2010	Under Review, ROW GRANT EXTENSION	10/4/2010, Rev 1		ongoing negotiations. BLM granted 1					RA

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Resources	BIO-17	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	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.	15-Sep-2010	EXTENSION granted until Oct 7, 2013	June 2011		BLM granted 1 year extension to 10/07/2013					RA
Biological Resources	BIO-17 (Continued-1)	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: Biological Resources Mitigation/Compensation Cost Estimate Table - July 13, 20101 corrected Desert Tortoise Compensation Number of Acres 3582 Estimated number of parcels to be acquired, at 40 acres per parcel2 90 Land cost at \$1000/acre3 \$ 3,582,000.00 Level 1 Environmental Site Assessment at \$3000/parcel \$ 270,000.00 Appraisal at no less than \$5,000/parcel \$ 450,000.00 Initial site work - clean-up, restoration or enhancement, at \$250/acre4 \$ 895,500.00 Closing and Escrow Cost at \$5000/parcel5 \$ 450,000.00 Biological survey for determining mitigation value of land (habitat based with species specific augmentation) at \$5000/parcel \$ 450,000.00	A minimum of three months prior to acquisition of the property, the project owner shall submit a formal acquisition proposal to the CPM, CDFG, USFWS and BLM describing the parcels intended for purchase. No later than 18 months following the publication of the Energy Commission Decision the project owner shall provide written verification to the CPM and CDFG that the Energy Commission compensation lands or conservation easements have been acquired and recorded in favor of the approved recipient(s). The project owner, or an approved third party, shall complete and provide written verification of the proposed compensation lands acquisition within 18 months of the start of project ground disturbing activities. If NFWF or another approved third party is being used for the acquisition, the project owner shall nsure that funds needed to accomplish the acquisition are transferred in timely manner to facilitate the planned acquisition and to ensure the land can be acquired and transferred prior to the 18-month deadline. Within six months of the land or easement purchase, as determined by the date on the title, the project owner, or an approved third party, shall provide CDFG and the CPM with a management plan for the Energy Commission compensation lands and associated funds. The CPM shall review and approve the management plan, in consultation with CDFG, BLM and the USFWS. Within 90 days after completion of project construction, the project owner shall provide to the CPM and CDFG an analysis with the final accounting of the amount of habitat disturbed during project construction. If habitat disturbance exceeds 3,582 acres, the project owner shall provide a compensation plan to the CMP and CDFG for their reviewand approval, in consultation with CDFG, BLM and the USFWS. The compensation plan shall be submitted no later than 90 days from the CPM's receipt of the final accounting, and shall include a description of additional funds required or lands that must be purchased to compensate for the unanticipated habitat disturbances, and a schedule for that acquisition or funding inclusive of all associated long-term management and maintenance and enhancement costs.	15-Sep-2010	Under Review	10/4/2010, Rev 1 June 2011		ongoing negotiations. BLM granted 1 year extension to 10/07/2013					RA

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Biological Resources	BIO-17 (Continued-2)	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 fee9 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.	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.	40436	Under Review	10/4/2010, Rev 1 June 2011		ongoing negotiations. BLM granted 1 year extension to 10/07/2013					...
Biological Resources	BIO-17 (Continued-3)	2. Selection Criteria for Compensation Lands. The compensation lands selected for acquisition shall: a. be as close to the project site as possible; b. provide good quality habitat for desert tortoise with capacity to regenerate naturally when disturbances are removed; c. be near larger blocks of lands that are either already protected or planned for protection, or which could feasibly be protected long-term by a public resource agency or a non-governmental organization dedicated to habitat preservation; d. be connected to lands currently occupied by desert tortoise, ideally with populations that are stable, recovering, or likely to recover; e. not have a history of intensive recreational use or other disturbance that might make habitat recovery and restoration infeasible; f. not be characterized by high densities of invasive species, either on or immediately adjacent to the parcels under consideration, that might jeopardize habitat recovery and restoration, and g. not contain hazardous wastes. 3. Review and Approval of Compensation Lands Prior to Acquisition. A minimum of three months prior to acquisition of the property, the project owner shall submit a formal acquisition proposal to the CPM, CDFG, USFWS and BLM describing the parcel(s) intended for purchase. This acquisition proposal shall discuss the suitability of the proposed parcel(s) as compensation lands for desert tortoise in relation to the criteria listed above. Approval from the CPM, in consultation with BLM, CDFG, and the USFWS, shall be required for acquisition of all parcels comprising the 7,164 acres.	See above sections	15-Sep-2010	Under Review	10/4/2010, Rev 1 June 2011		ongoing negotiations. BLM granted 1 year extension to 10/07/2013				RA	

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Biological Resources	BIO-17 (Continued-4)	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 1 Security), 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:	See above sections	15-Sep-2010	UNDER REVIEW	10/4/2010, Rev 1 June 2011		ongoing negotiations. BLM granted 1 year extension to 10/07/2013					RA
Biological Resources	BIO-17 (Continued-5)	a. Project Owner Acquisition of Compensation Lands - If the project owner is locating, acquiring and protecting compensation lands itself, the project owner shall provide the CPM with Security in the estimated amount of \$33,183,648 prior to initiating any ground-disturbing project-related activities; 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 \$11,876,448 prior to initiating any ground-disturbing 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 \$12,163,207 prior to initiating any ground-disturbing activities associated with Phase 1, and shall provide Security in the amount of \$21,788,316 prior to initiating any ground-disturbing activities associated with Phase 2. Actual Cost. The actual cost to comply with this condition will vary depending on the final footprint of the Project, and the actual costs of acquiring, improving and managing the compensation lands. Regardless of actual cost, the project owner shall be responsible for implementing all aspects of this condition.	See above sections	15-Sep-2010	UNDER REVIEW	10/4/2010, Rev 1 June 2011		ongoing negotiations. BLM granted 1 year extension to 10/07/2013					RA
Biological Resources	BIO-17 (Continued-6)	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/leasehold 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 shall complete the proposed compensation lands acquisition within 18 months of the start of project ground-disturbing activities.	See above sections	15-Sep-2010	Under Review; Revised June 2011	10/4/2010, Rev 1 June 2011							

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Biological Resources	BIO-17 (Continued-7)	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 be conducted for the 7,164 acres. Alternatively, a non-profit organization may hold the long-term management and maintenance fees if they are qualified to manage the compensation lands (pursuant to California Government Code section 65965) and if they meet the approval of the CPM in consultation with CDFG. If CDFG takes fee title to the compensation lands, the long-term management and maintenance fee must go to CDFG, where it will be held in the special deposit fund established pursuant to California Government Code section 16370. If the special deposit fund is not used to manage the long-term management and maintenance fund, the California Wildlife Foundation or similarly approved entity identified by CDFG shall manage the long-term management and maintenance fund for CDFG and with CDFG supervision.	See above sections	15-Sep-2010	Under Review; Revised June 2011	10/4/2010, Rev 1 June 2011							
Biological Resources	BIO-17 (Continued-8)	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; holder/manager to ensure the following conditions: • Interest. Interest generated from the initial capital endowment shall be available for reinvestment into the principal and for the long-term operation, management, and protection of the approved compensation lands, including reasonable administrative overhead, biological monitoring, improvements to carrying capacity, law enforcement measures, and any other action approved by CDFG designed to protect or improve the habitat values of the compensation lands. • Withdrawal of Principal. The long-term management and maintenance fund principal shall not be drawn upon unless such withdrawal is deemed to ensure the continued viability of the species on the 7,164 acres. • Pooling Long-Term Management and Maintenance Funds. CDFG, or a CPM approved non-profit organization qualified to hold long-term management and maintenance fund pursuant to California Government Code section 65965, may pool the long-term management and maintenance fund with other such funds for the operation, management, and protection of the 7,164 acres for local populations of desert tortoise. However, for reporting purposes, the long-term management and maintenance fund must be tracked and reported individually to the CDFG and CPM. • Reimbursement Fund. The project owner shall provide reimbursement to the CPM, CDFG or an approved third party for reasonable expenses incurred during title, easement, and documentation review; expenses incurred from other state or state approved federal agency reviews; and overhead related to providing compensation lands. The project owner is responsible for all compensation lands acquisition/easement costs, including but not limited to, title and document review costs, as well as expenses incurred from other state agency reviews and overhead related to providing compensation lands to the department or approved third party; escrow fees or costs; environmental contaminants clearance; and other site cleanup measures.	See above sections	15-Sep-2010	Under Review	10/4/2010, Rev 1 June 2011	ongoing negotiations. BLM granted 1 year extension to 10/07/2013						RA
Biological Resources	BIO-17 (Continued-9)	6. Long-term Maintenance of Fencing and Habitat Restoration. In addition to the funding described above for the acquisition, enhancement and management of the Energy Commission compensation lands, the Project owner shall provide sufficient funds to ensure that long-term management and maintenance is provided for the habitat improvements required by BLM for the ISEGS project, including fencing of roads in the Northeastern Mojave Recovery Unit, and habitat restoration of routes in the Desert Wildlife Management Area. The maintenance shall occur as long as the roads continue to operate as functional roadways and for the duration of project impacts. This long-term maintenance fee shall be calculated upon completion of a Property Analysis Record (PAR) or PAR-like analysis of the proposed enhancement actions, and shall be sufficient to fund annual inspections and repairs/maintenance of all fencing and habitat improvements completed as part of the BLM mitigation requirements for the ISEGS project. The Project owner may choose to satisfy its mitigation obligations identified in this Decision by paying an in-lieu fee instead of acquiring compensation lands, pursuant to Fish and Game code sections 2069 and 2099 or any other applicable in-lieu fee provision, to the extent the in-lieu fee provision is found by the Commission to be in compliance with CEQA and CESA requirements.	See above sections	15-Sep-2010	Under Review	10/4/2010, Rev 1 June 2011	ongoing negotiations. BLM granted 1 year extension to 10/07/2013						RA

Technical Area	COC	Description	Verification	Scheduled Submittal Date	Status	Date Submitted	Date Approved	NOTES	Milestone Description	MILESTONE DATES	REQUIRE D TIMING (days)	SCHEDULED SUBMITTAL DATE	STATUS
Biological Resources	BIO-18	The project owner shall implement the following measures to avoid and minimize impacts to special-status plant species. Items 2, 3, 5, 6, 7, 10, and 11 are recommended exclusively by Energy Commission staff. 1. On-Site Plant Avoidance/Minimization Areas: To the extent feasible the project owner shall avoid and minimize disturbance to all special-status plant species within the project site. Impact avoidance (i.e., protection from project-related impacts of any kind through removal of acreage from the project footprint) and impact minimization efforts shall occur in all feasible locations. Impact avoidance shall focus on areas that support the highest density and diversity of special-status plant species and shall remove, at a minimum, the three areas totaling 476 acres and labeled "Rare Plant Mitigation Area" in Project Description Figure 13 from the project footprint. The natural gas pipeline shall be aligned and narrowed to avoid special-status plant occurrences north of Ivanpah 3 as depicted in Project Description Figure 13. Impact minimization shall be conducted throughout the site. Impact minimization within the solar field shall consist of protecting small perimeters ("halos"):- Mojave milkweed, desert pincushion, and Rusby's desert-mallow plants as indicated in the applicant's January 2010 draft plan (Exhibit 81, Appendix B).	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 SSPPA 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 BRMMP. At this time, the owner shall also provide security sufficient to fund the implementation of the plans.	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 Nov 9, 2010 rev 0	7/2/2010 (Gas Pipeline Plan) 11/1/2010 SS Plant Plan 11/10/2010 SS Plant Remedial Action Plan (Seed Collection Plan included)	Nov 9, 2010 rev 0	January 31st Annually Post Construction	31-Jan-2012	366	31-Jan-2013		
Biological Resources	BIO-18 (continued)	2. Protection Goals : The project owner shall implement all feasible measures to protect 75 percent of the individuals of Mojave milkweed, Rusby's desert-mallow, desert pincushion, nine-awned pappus grass, and Parish's club-cholla within the project area (as mapped in Figure 5-3 of the applicant's final botanical survey report [CH2M Hill 2008x]). Each year during construction the measurement of percent protection achieved shall be calculated based on a comparison of numbers of individuals of each of these five species present in this area identified before construction compared to numbers remaining post-construction These pre- and postconstruction plant numbers shall be based on floristic surveys conducted by a qualified botanist.	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.										
Biological Resources	BIO-18 (continued-1)	3. Identify and Establish Special-Status Plant Protection Areas: The project owner shall identify Special-Status Plant Protection Areas for exclusion from the project footprint and avoidance of project-related impacts of any kind to facilitate achieving the 75 % protection goal. To accurately identify the boundaries of these areas, pre-construction floristic surveys shall be conducted by a qualified botanist at the appropriate time of year for special-status plant identification including both spring and summer/fall blooming periods. Summer/fall surveys will be conducted after rains that are likely to cause plant germination and may 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 fence line. 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.	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.			2013 Annual Compliance Report was submitted on 1/31/2014							
Biological Resources	BIO-18 (continued-2)	4. Protection of Adjacent Occurrences: 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 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).	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.	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)	Nov 9, 2010 rev 0						

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Biological Resources	BIO-18 (continued-2a)	5. Develop and Implement a Special-Status Plant Protection and Monitoring Plan: The project owner shall develop and implement a Special-Status Plant Protection and Monitoring Plan for special-status plants occurring within the Special-Status Plant Protection Areas and on-site areas designated for impact minimization. The goal of the Special-Status Plant Protection and Monitoring Plan shall be to maintain the special-status plant species as healthy, reproductive populations that can be sustained in perpetuity. At a minimum, the Special-Status Plant Protection and Monitoring Plan shall: • establish baseline conditions and numbers of the plant occurrences in all protected areas (i.e., those to be excluded from the footprint and on-site areas to be protected) and success standards for protection of special-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);	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.	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)	Nov 9, 2010 rev 0						
Biological Resources	BIO-18 (continued-3)	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.	See above sections	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)	Nov 9, 2010 rev 0						
Biological Resources	BIO-18 (continued-4)	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 conditions shown 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 less than 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.	See above sections	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)	Nov 9, 2010 rev 0						

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Biological Resources	BIO-18 (continued-5)	9. <u>Surveys on Acquired and Public Lands</u>: 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 CNDDDB field survey forms for all special-status plant species encountered during the surveys; and • All field survey forms shall be submitted to the CNDDDB at the time of submittal to the CPM, BLM and CDFG; and	See above sections	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)	Nov 9, 2010 rev 0						
Biological Resources	BIO-18 (continued-6)	• 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. <u>Security for Implementation of Plans</u> : 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. <u>Acquire Off-Site Occurrence of Mojave Milkweed or Adjacent Land</u>: 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 about 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.	See above sections	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)	Nov 9, 2010 rev 0						
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 <u>Draft Bighorn Sheep Mitigation Plan</u> 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. 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.	12-Jul-2010	APPROVED	7/30/2010; Jan 2012 Rev 1 submitted	OCTOBER 2,2012	Rev 1 dated January 2012, Approved CEC 10/2/12 email					COMP

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Biological Resources	BIO-20	The project owner shall implement the following measures to avoid, minimize and mitigate for impacts to ephemeral drainages: 1. <u>Acquire Off-Site Desert Wash</u>: 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 <u>located</u> within the <u>California Desert Renewable Energy Conservation Plan planning area</u> <u>same watershed as the impacted wash</u>. The desert wash mitigation lands may be included with the desert tortoise mitigation lands ONLY if the above three criteria are met. <u>The Project Owner may choose to satisfy its mitigation obligations identified in this Decision by participating in an advanced mitigation program such as that established by CDFG, pursuant to Fish and Game Code sections 2069 and 2099.</u>	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).	2011	Submitted UNDER REVIEW	Submitted JD to CDFG, CEC, RWQCB, and BLM on 6/8/2011							
Biological Resources	BIO-20 (Continued)	2. <u>Security for Implementation of Mitigation</u>: 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 to its execution, and shall allow the CPM at its discretion to recover funds immediately if the CPM, in consultation with CDFG, determines there has been a default. 3. <u>Preparation of Management Plan</u>: 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.	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.	2011	Submitted UNDER REVIEW	Submitted JD to CDFG, CEC, RWQCB, and BLM on 6/8/2011							
Biological Resources	BIO-20 (Continued-1)	4. <u>Right of Access and Review for Compliance Monitoring</u>: 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. <u>Notification</u>: 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. <u>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.</u> 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.	2011	Submitted UNDER REVIEW	Submitted JD to CDFG, CEC, RWQCB, and BLM on 6/8/2011							

Technical Area	COC	Description	Verification	Scheduled Submittal Date	Status	Date Submitted	Date Approved	NOTES	Milestone Description	MILESTONE DATES	REQUIRE D TIMING (days)	SCHEDULED SUBMITTAL DATE	STATUS
Biological Resources	BIO-20 (Continued-2)	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. <u>Code of Regulations</u>: 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.	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.	2011	Submitted UNDER REVIEW	Submitted JD to CDFG, CEC, RWQCB, and BLM on 6/8/2011							
Biological Resources	BIO-20 (Continued-3)	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. 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 Hanpah 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.	2011	Submitted UNDER REVIEW	Submitted JD to CDFG, CEC, RWQCB, and BLM on 6/8/2011							

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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	2011	Submitted	Submitted letter to BLM, CDFG, and FWS on 6/1/2011	6/13/2011 BLM stated no new special status plants since ROD						
Biological Resources	BIO-21-CEC	The Project owner shall prepare and implement an <u>Avian and Bat Monitoring and Management Plan</u> (Plan) to monitor death and injury of birds and bats from collisions with facility features including the solar receiver tower and reflective heliostat mirrors, and exposure to bright light and heat from concentrating sunlight. The Project owner shall use the monitoring data to inform and develop an adaptive management program that would avoid and minimize Project-related avian or bat impacts. Any Project-related bird or bat deaths or injuries shall be reported to the CPM, CDFG and USFWS, and then the CPM in consultation with CDFG and USFWS, shall then determine if the Project-related bird or bat deaths or injuries warrant implementation of adaptive management measures contained in the Plan. The study design for the Plan shall be approved by the CPM in consultation with CDFG and USFWS, and, once approved, shall be incorporated into the project's BRMIMP and implemented. During construction, bird and bat deaths or injuries shall be reported in the Monthly Compliance Report. For one year following the beginning of power plant operation, the Designated Biologist shall submit quarterly reports to the CPM, CDFG, and USFWS. describing the results of monitoring. The monthly and quarterly reports shall provide a detailed description of any Project-related bird or bat deaths or injuries detected during the monitoring study or at any other time, including describing the dates, species found injured or dead, where found, expected cause of injury or death, other appropriate results of monitoring, and a description of adaptive management measures proposed or implemented in accordance with any applicable CDFG or USFWS guidelines to avoid or minimize deaths or injuries. Following the completion of the fourth quarter of monitoring, the Designated Biologist shall prepare an Annual Report that summarizes the year's data, analyzes any Project-related bird fatalities or injuries detected, and provides recommendations for future monitoring and any adaptive management actions needed.	<u>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.</u> Modifications to the Plan shall be made only after approval from the CPM in consultation with CDFG and USFWS. <u>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.</u> <u>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.</u>	2011	Submitted, Waiting on approval by USFWS as of 8/12	Draft Submitted Sept 2010; Revision 1 Submitted October 2010; Revision 2 Submitted May 2011; Revision 1 Submitted October 2010; Revision 3 Submitted February 2012	January 31st Annually Post Construction	31-Jan-2012	366	31-Jan-2013			
Biological Resources	BIO-22-BLM	The applicant shall prepare a <u>MBTA Conservation Agreement</u> 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	2011	Submitted, Waiting on approval by USFWS as of 8/12	Draft Submitted Sept 2010; Revision 1 Submitted October 2010; Revision 2 Submitted May 2011; Revision 3 Submitted February 2012							

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Biological Resources	BIO-22-CEC	As an alternative to providing mitigation or security for compensatory mitigation for the entire project prior to the start of the first grounddisturbing activities, the project owner may elect to provide security for compensatory mitigation in two phases as specified in this condition. Only the phases identified as Phase 1 and Phase 2, as described in this condition, and as provided by the applicant on September 2, 2010 in their Comments on the Presiding Member's Proposed Decision, may be used for the phasing of mitigation and security requirements. To the extent those sources are found to contain conflicting information about Project phasing, the description in this condition shall control. This condition presumes that the phases identified in this condition are identical to the phases that the Bureau of Land Management (BLM) will authorize work on through issuance of "notices to proceed"; if phases used by BLM are not identical to the phases as described in this condition and the materials identified above, the project owner shall obtain separate written authorization from the CPM prior to beginning work on each of the two phases. In no event shall any project disturbance occur unless security has been provided for the required mitigation associated with the particular phase of construction.	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.	2011	Phase 1 and Phase 2 securities paid, Land Acquisition in progress	Rev. 2 submitted 6/28/2011							
Biological Resources	BIO-22-CEC (continued)	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 be implemented, 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.	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.	2011	Phase 1 and Phase 2 securities paid, Land Acquisition in progress	Rev. 2 submitted 6/28/2011							
Biological Resources	BIO-22-CEC (continued-1)	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.	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.	2011	Phase 1 and Phase 2 securities paid, Land Acquisition in progress	Rev. 2 submitted 6/28/2011		Complete All Construction (Use Mechanical completion date for Unit 3)	10-Jul-2013	90	8-Oct-2013		

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Biological Resources	BIO-22-CEC (continued-1)	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.	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.	2011	Phase 1 and Phase 2 securities paid, Land Acquisition in progress	Rev. 2 submitted 6/28/2011			Complete All Construction (Use Mechanical completion date for Unit 3)	10-Jul-2013	90	8-Oct-2013	
Biological Resources	BIO-22-CEC (continued-2)	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.	See above sections	2011	Phase 1 and Phase 2 securities paid, Land Acquisition in progress	Rev. 2 submitted 6/28/2011			Complete All Construction (Use Mechanical completion date for Unit 3)	10-Jul-2013	90	8-Oct-2013	
Biological Resources	BIO-22-CEC (continued-3)	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.	See above sections	2011	Phase 1 and Phase 2 securities paid, Land Acquisition in progress	Rev. 2 submitted 6/28/2011			Complete All Construction (Use Mechanical completion date for Unit 3)	10-Jul-2013	90	8-Oct-2013	

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Biological Resources	BIO-23-BLM	<u>The applicant shall conduct visual biweekly surveys for bird and bat mortalities throughout the project site.</u> 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	As needed	Ongoing								RC
Biological Resources	BIO-24-BLM	To minimize potential impacts to Nelson bighorn sheep, the applicant shall not use barbed wire fence on the northern perimeter of the Ivanpah 3 site, unless required for security reasons. Effectiveness: This mitigation would be moderately effective in reducing injuries to bighorn sheep as they forage near the project site or use the area north of the project area for a movement corridor. This mitigation would not be enforced if the mitigation posed a reasonable security threat to the project.	No Verification: see Effectiveness	2011	Complete								COMP
Biological Resources	BIO-25-BLM	The applicant shall monitor and control noxious and invasive weeds within 100 feet of the artificial water source. Control of weeds shall be coordinated with the BLM staff and shall consist of removal by mechanical methods, rather than herbicides. Effectiveness: This mitigation measure would be moderately effective in controlling noxious and invasive weeds near the artificial water source, providing better access to the site by big game.	No Verification: see Effectiveness	N/A	Ongoing								RC
Biological Resources	BIO-26-BLM	The applicant shall implement all mitigation identified by the USFWS in the Biological Opinion. Effectiveness: This measure would be highly effective in ensuring mitigation within the USFWS' Biological Opinion was implemented.	No Verification: see Effectiveness	N/A	Ongoing								RC
Biological Resources	BIO-27-BLM	The project owner shall implement the Closure, Revegetation, and Rehabilitation Plan, Revision 3, dated July 6, 2010, with the following modifications. 1. The long-term soil stockpiles, as discussed in Table 5-2 of the plan, will be no higher than 6 feet high. 2. The Preliminary Seeding Plan for Short-Term Disturbed Areas, and to be used as the basis for the seeding during final project decommissioning, will be based upon the species list provided in Table 7-1 of the plan, rather than the species list in Table 7-2. The list may be modified at the time of decommissioning based on seed availability. 3. Concrete will be removed to a minimum depth of 6 feet unless it is shown that a particular area is prone to flood hazards and a greater depth for concrete removal should be required. All concrete removed shall be hauled off the project site and disposed of in an approved facility. Crushed concrete will not be used as backfill on the site during decommissioning. 4. Succulents salvaged during project construction will not be sold by the applicant. Should excess succulents be removed that cannot 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	TBD	Not yet started			Unit 1 Substantial Completion	31-Jan-2013	30	2-Mar-2013		
								Unit 2 Substantial Completion	1-Jun-2013	30	1-Jul-2013		
								Unit 3 Substantial Completion	30-Sep-2013	30	30-Oct-2013		
Biological Resources	BIO-28-BLM	Compliance with Eagle Act. USFWS has notified BLM that due to the proximity of known occupied golden eagle territories, and that the effects of power towers on bald and golden eagles is unknown, this project has the potential to take an eagle. Due to the distance of the project site to known eagle territories, available mitigation measures (some of which are already described in other measures identified in this section), and habitat compensation associated with other species (i.e. desert tortoise), USFWS believes that this project can reach the "no net loss" standard for golden eagles identified in the Eagle Act Rule if the applicant submits and implements an Avian Protection Plan. The holder shall submit an Avian Protection Plan for approval of the Authorized Officer within 6 months of the issuance of any ROW grant for the project. The Avian Protection Plan must be implemented within one year from the date of any ROW grant Notice to Proceed.	No Verification: see Avian Protection Plan submittal	2011	Submitted	Draft Submitted Sept 2010; Revision 1 Submitted October 2010; Revision 2 Submitted May 2011							

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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.	23-Jul-2010	Approved	23-Jul-2010	8-Sep-2010						COMP
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.	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.	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.	2013	Still under construction				Unit 1 Completion of the erosion and sediment control and drainage work	31-Jan-2013	30	2-Mar-2013	RFS
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.		N/A	ONGOING								RC
Compliance Conditions	COMP-02	<u>Compliance Record:</u> 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.		N/A	N/A				Unit 1 Substantial Completion	31-Jan-2013	90	1-May-2013	

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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.		N/A	ONGOING								RC
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.		N/A	N/A								RC
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.		5/14/2010 (draft) 6/4/2010 (final)	Approved	5/14/2010 (draft) 6/4/2010 (final)	2-Sep-2010						COMP

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Compliance Conditions	COMP-04 (Continued)	If the project owner anticipates commencing project construction as soon as the project is certified, it may be necessary for the project owner to file compliance submittals prior to project certification. Compliance submittals should be completed in advance where the necessary lead time for a required compliance event extends beyond the date anticipated for start of construction. The project owner must understand that the submittal of compliance documents prior to project certification is at the owner's own risk. Any approval by Energy Commission staff is subject to change, based upon BLM's ROW Grant and the Energy Commission Decision. Compliance Reporting There are two different compliance reports that the project owner must submit to assist BLM's Authorized Officer and the CPM in tracking activities and monitoring compliance with the terms and conditions of BLM's ROW Grant and the Energy Commission Decision. <u>During construction, the project owner or authorized agent will submit Monthly Compliance Reports. During operation, an Annual Compliance Report must be submitted.</u> These reports, and the requirement for an accompanying compliance matrix, are described below. The majority of the conditions of certification require that compliance submittals be submitted to BLM's Authorized Officer and the CPM in the monthly or annual compliance reports.		5/14/2010 (draft) 6/4/2010 (final)	Approved	5/14/2010 (draft) 6/4/2010 (final)	2-Sep-2010						COMP
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.		15-Sep-2010	Approved	11-Aug-2010	2-Sep-2010						RC
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);		Monthly	Final Monthly Compliance Report for May 2014 will be submitted on 6/13/2014. This will be the last submittal.	14-May-2014							RC
Compliance Conditions	COMP-06 (Continued)	4. A list of conditions that have been satisfied during the reporting period, and a description or reference to the actions that satisfied the condition; 5. A list of any submittal deadlines that were missed, accompanied by an explanation and an estimate of when the information will be provided; 6. A cumulative listing of any approved changes to conditions of certification; 7. A listing of any filings submitted to, or permits issued by, other governmental agencies during the month; 8. A projection of project compliance activities scheduled during the next two months. The project owner shall notify BLM's Authorized Officer and the CPM as soon as any changes are made to the project construction schedule that would affect compliance with conditions of certification; 9. A listing of the month's additions to the on-site compliance file; and 10. A listing of complaints, notices of violation, official warnings, and citations received during the month, a description of the resolution of the resolved actions, and the status of any unresolved actions. All sections, exhibits, or addendums shall be separated by tabbed dividers or as acceptable by BLM's Authorized Officer and the CPM.		Monthly	Final Monthly Compliance Report for May 2014 will be submitted on 6/13/2014. This will be the last submittal.								RC

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Compliance Conditions	COMP-07	<u>Annual Compliance Report:</u> 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	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.	Annually Report for Unit 1 System estimated due date April 2014 1 year from start-up scheduled for April 2013	The first Annual Compliance Report is anticipated to be submitted on January 2015.				Unit 1 Start of commerical operation	1-Jul-2013	366	2-Jul-2014	
									Unit 2 Start of commerical operation	30-Sep-2013	366	1-Oct-2014	
									Unit 3 Start of commerical operation	1-Jan-2014	366	2-Jan-2015	
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.		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.		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).		7-Oct-2010	Approved	7-Oct-2010	7-Oct-2010						COMP

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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.		7-Oct-2010	Approved	7-Oct-2010	7-Oct-2010						TBU
Compliance Conditions	COMP-10 (Continued-1)	CLOSURE DEFINITIONS Planned Closure A planned closure occurs when the facility is closed in an anticipated, orderly manner, at the end of its useful economic or mechanical life, or due to gradual obsolescence. Unplanned Temporary Closure An unplanned temporary closure occurs when the facility is closed suddenly and/or unexpectedly, on a short-term basis, due to unforeseen circumstances such as a natural disaster or an emergency. Short-term is defined as cessation of construction activities or operations of a power plant for a period less than 6 months long. Cessation of construction of operations for a period longer than 6 months in considered a permanent closure. Unplanned Permanent Closure An unplanned permanent closure occurs if the project owner closes the facility suddenly and/or unexpectedly, on a permanent basis. This includes unplanned closure where the owner implements the on-site contingency plan. It can also include unplanned closure where the project owner fails to implement the contingency plan, and the project is essentially abandoned.		7-Oct-2010	Approved	7-Oct-2010	7-Oct-2010						TBU
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;		TBD	Submission not required at this time								RFS
Compliance Conditions	COMP-11 (Continued-1)	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. <i>As necessary, prior to or during the closure plan process, the project owner shall take appropriate steps to eliminate any immediate threats to public health and safety and the environment, but shall not commence any other closure activities until BLM and the Energy Commission approves the facility Closure, Revegetation and Restoration plan.</i>		TBD	Submission not required at this time								RFS

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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.		1-Feb-2011	Submitted	31-Jan-2011							
Compliance Conditions	COMP-12 (Continued)	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).		1-Feb-2011	Submitted	31-Jan-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.		1-Feb-2011	Submitted	31-Jan-2011							

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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 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.		As needed	As needed								
Compliance Conditions	COMP-14 (Continued)	Amendment - The project owner shall petition the Energy Commission, pursuant to Title 20, California Code of Regulations, Section 1769(a), when proposing modifications to the project (including linear facilities) design, operation, or performance requirements. If a proposed modification results in deletion or change of a condition of certification, or makes changes that would cause the project not to comply with any applicable laws, ordinances, regulations or standards, the petition will be processed as a formal amendment to the Energy Commission's final decision, which requires public notice and review of the BLM-Energy Commission staff analysis, and approval by the full Energy Commission. The petition shall be in the form of a legal brief and fulfill the requirements of Section 1769(a). Upon request, the CPM will provide you with a sample petition to use as a template. The ROW holder shall file an application to amend the BLM ROW grant for any substantial deviation or change in use. The requirements to amend a ROW grant are the same as when filing a new application including paying processing and monitoring fees and rent.		As needed	As needed	See amendments under specific condition							
Compliance Conditions	COMP-14 (Continued-1)	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 and 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.		As needed	As needed	See amendments under specific condition							

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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.	11-Jun-2010	Approved	11-Jun-2010	7-Oct-2010						COMP
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 archaeological 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.	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 Authorized Officer and the CPM that the approved CRS will be available for onsite work and is prepared to implement the cultural resources Conditions.	11-Jun-2010	Approved	11-Jun-2010	7-Oct-2010						COMP
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.	26-Jul-2010	Approved	30-Jul-2010	7-Oct-2010						COMP

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Cultural Resources	CUL-02 (Continued)	If construction of the project would proceed in phases, maps and drawings, not previously provided, shall be submitted prior to the start of each phase. Written notification identifying the proposed schedule of each project phase shall be provided to the CRS and CPM. At a minimum, the CRS shall consult weekly with the project construction manager to confirm area(s) to be worked during the next week, until ground disturbance is completed, and the project owner shall ensure that the project construction manager is available for such weekly consultations. The project owner shall notify the CRS and CPM of any changes to the scheduling of the construction phases. No ground disturbance shall occur prior to CPM approval of maps and drawings, unless specifically approved by the BLM's Authorized Officer and the CPM.	1. At least 40 days prior to the start of ground disturbance, the project owner shall provide the AFC, data responses, and confidential cultural resource documents to the CRS, if needed, and the subject maps and drawings to the CRS and CPM. The BLM's Authorized Officer and the CPM will review submittals in consultation with the CRS and approve maps and drawings suitable for cultural resources planning activities. 2. If there are changes to any project related-footprint, revised maps and drawings shall be provided at least 15 days prior to start of ground disturbance and construction for those changes. 3. If project construction is phased, if not previously provided, the project owner shall submit the subject maps and drawings 15 days prior to each phase. 4. On a weekly basis during ground disturbance, a current schedule of anticipated project activity shall be provided to the CRS and CPM by letter, email, or fax. 5. Within five days of identifying changes, the project owner shall provide written notice of any changes to scheduling of construction phase.	26-Jul-2010	Approved	30-Jul-2010	7-Oct-2010						COMP
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).	13-Aug-2010	Approved	13-Aug-2010	4-Nov-2010						COMP
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).	13-Aug-2010	Approved	13-Aug-2010	4-Nov-2010						COMP

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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).	13-Aug-2010	Approved	13-Aug-2010	4-Nov-2010						COMP
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.	Q1 2013	Not yet started				Complete All Construction (Use Mechanical completion date for Unit 3)	6-Dec-2013	90	6-Mar-2014	
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.	2-Jul-2010	Approved	6-Jul-2010	7-Oct-2010						COMP

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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.	2-Jul-2010	Approved	6-Jul-2010	7-Oct-2010						COMP
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 in the 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, or appropriate 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.	20-Aug-2010	Approved	23-Aug-2010	2-Sep-2010						COMP
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.	20-Aug-2010	Approved	23-Aug-2010	2-Sep-2010						COMP

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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.	20-Aug-2010	Approved	13-Aug-2010	2-Sep-2010						COMP
Cultural Resources	CUL-07 (continued-1)	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.	20-Aug-2010	Approved	13-Aug-2010	2-Sep-2010						COMP

Technical Area	COC	Description	Verification	Scheduled Submittal Date	Status	Date Submitted	Date Approved	NOTES	Milestone Description	MILESTONE DATES	REQUIRE D TIMING (days)	SCHEDULED SUBMITTAL DATE	STATUS
Cultural Resources	CUL-07 (continued-2)	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.	20-Aug-2010	Approved	13-Aug-2010	2-Sep-2010					COMP	
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.	TBD	Not yet started				Dismantling of any portion of the Hoover Dam to-San Bernardino transmission line	0-Jan-1900	90		
									Dismantling of any portion of the Hoover Dam to-San Bernardino transmission line	0-Jan-1900	75		
Cultural	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	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	TBD	Completed				Dismantling of any portion of the Hoover Dam to-San Bernardino transmission line	0-Jan-1900	60		
									Dismantling of any portion of the Hoover Dam to-San Bernardino transmission line	0-Jan-1900	60		

Technical Area	COC	Description	Verification	Scheduled Submittal Date	Status	Date Submitted	Date Approved	NOTES	Milestone Description	MILESTONE DATES	REQUIRE D TIMING (days)	SCHEDULED SUBMITTAL DATE	STATUS
Resources	CUL-9	Inclusion in the National Register of Historic Places; and of the historic setting 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.	Conform to 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 County.	TBD	Completed				Complete All Construction (Use Mechanical completion date for Unit 3)	10-Jul-2013	90	8-Oct-2013	
									Dismantling of any portion of the Hoover Dam to-San Bernardino transmission line	0-Jan-1900	150		
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.	As needed	Ongoing								
Facility Design	ELEC-1	Prior to the start of any increment of electrical construction for all electrical equipment and systems 480 volts or higher (see a representative list, below), with the exception of underground duct work and any physical layout drawings and drawings not related to code compliance and life safety, the project owner shall submit, for CBO design review and approval, the proposed final design, specifications, and calculations (2007 CBC, Appendix Chapter 1, section 106.1, Submittal Documents). Upon approval, the above-listed plans, together with design changes and design change notices, shall remain on the site or at another accessible location for the operating life of the project. The project owner shall request that the CBO inspect the installation to ensure compliance with the requirements of applicable LORS (2007 CBC, Appendix Chapter 1, section 109.6, Approval Required; section 109.5, Inspection Requests). All transmission facilities (lines, switchyards, switching stations, and substations) are handled in "Conditions of Certification" in the Transmission System Engineering section of this document. A. Final plant design plans shall include: 1. One-line diagrams for the 13.8-kV, 4.16-kV, and 480-volt systems; and 2. System grounding drawings. B. Final plant calculations must establish: 1. Short-circuit ratings of plant equipment; 2. Ampacity of feeder cables; 3. Voltage drop in feeder cables; 4. System grounding requirements; 5. Coordination study calculations for fuses, circuit breakers and protective relay settings for the 13.8-kV, 4.16-kV, and 480-volt systems; 6. System grounding requirements; and 7. Lighting energy calculations. C. The following activities shall be reported to BLM's Authorized Officer and the CPM in the monthly compliance report: 1. Receipt or delay of major electrical equipment; 2. Testing or energization of major electrical equipment; and 3. A signed statement by the registered electrical engineer certifying that the proposed final design plans and specifications conform to requirements set forth in the Energy Commission decision.	At least 30 days (or within a project owner- and CBO-approved alternative time frame) prior to the start of each increment of electrical construction, the project owner shall submit to the CBO for design review and approval the above-listed documents. The project owner shall include in this submittal a copy of the signed and stamped statement from the responsible electrical engineer attesting compliance with the applicable LORS and shall send BLM's Authorized Officer and the CPM a copy of the transmittal letter in the next monthly compliance report.	2011	Ongoing includes multiple submittals								

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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.	2011	Not yet started				Receive certificate of occupancy Admin Building	1-Oct-2012	30	31-Oct-2012																													
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. <table><thead><tr><th>Structures and Equipment List</th><th>Quantity</th></tr></thead><tbody><tr><td>Equipment/System (Plant)</td><td></td></tr><tr><td>Turbine Generator Foundation and Connections</td><td>3</td></tr><tr><td>Boiler Structure, Foundation and Connections</td><td>10</td></tr><tr><td>Air Cooled Condenser Structure, Foundation & Connections</td><td>3</td></tr><tr><td>Feed Water Preheater Structure, Foundation & Connections</td><td>3</td></tr><tr><td>Deaerator Structure, Foundation and Connections</td><td>3</td></tr><tr><td>Steam Distributor Structure, Foundation and Connections</td><td>3</td></tr><tr><td>Water Treatment Plant, Administration and Electrical Building Structure,Foundation and Connections</td><td>4</td></tr><tr><td>Water Storage Tanks Structure, Foundation and Connections</td><td>3</td></tr><tr><td>Maintenance Wing Structure, Foundation and Connections</td><td>3</td></tr><tr><td>Turbine Lubrication System Foundation and Connections</td><td>3</td></tr><tr><td>Emergency Generator Foundation and Connections</td><td>3</td></tr><tr><td>Diesel Fire Pump Foundation and Connections</td><td>3</td></tr><tr><td>Reheat Tower Structure, Foundation and Connections</td><td></td></tr></tbody></table>	Structures and Equipment List	Quantity	Equipment/System (Plant)		Turbine Generator Foundation and Connections	3	Boiler Structure, Foundation and Connections	10	Air Cooled Condenser Structure, Foundation & Connections	3	Feed Water Preheater Structure, Foundation & Connections	3	Deaerator Structure, Foundation and Connections	3	Steam Distributor Structure, Foundation and Connections	3	Water Treatment Plant, Administration and Electrical Building Structure,Foundation and Connections	4	Water Storage Tanks Structure, Foundation and Connections	3	Maintenance Wing Structure, Foundation and Connections	3	Turbine Lubrication System Foundation and Connections	3	Emergency Generator Foundation and Connections	3	Diesel Fire Pump Foundation and Connections	3	Reheat Tower Structure, Foundation and Connections		12-Jul-2010	Approved	16-Jul-2010	2-Sep-2010				COMP
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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.	Monthly	Ongoing								RC																												

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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;	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.	7-Aug-2010	Approved	7-Aug-2010	13-Aug-2010						COMP
Facility Design	GEN-4 (continued)	3. Prepare documents to initiate changes in approved drawings and specifications when either directed by the project owner or as required by the conditions of the project; 4. Be responsible for providing project inspectors and testing agencies with complete and up-to-date sets of stamped drawings, plans, specifications, and any other required documents; 5. Be responsible for the timely submittal of construction progress reports to the CBO from the project inspectors, the contractor, and other engineers who have been delegated responsibility for portions of the project; and 6. Be responsible for notifying the CBO of corrective action or the disposition of items noted on laboratory reports or other tests when they do not conform to approved plans and specifications. The RE shall have the authority to halt construction and to require changes or remedial work if the work does not meet requirements. If the RE or the delegated engineers are reassigned or replaced, the project owner shall submit the name, qualifications, and registration number of the newly assigned engineer to the CBO for review and approval. The project owner shall notify BLM's Authorized Officer and the CPM of the CBO's approval of the new engineer.	At least 30 days (or within a project owner- and CBO-approved alternative time frame) prior to the start of rough grading, the project owner shall submit to the CBO for review and approval, the resume and registration number of the RE and any other delegated engineers assigned to the project. The project owner shall notify BLM's Authorized Officer and the CPM of the CBO's approvals of the RE and other delegated engineer(s) within 5 days of the approval. If the RE or the delegated engineer(s) is subsequently reassigned or replaced, the project owner has 5 days to submit the resume and registration number of the newly assigned engineer to the CBO for review and approval. The project owner shall notify BLM's Authorized Officer and the CPM of the CBO's approval of the new engineer within 5 days of the approval.	7-Aug-2010	Approved	7-Aug-2010	13-Aug-2010						COMP
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.	28-May-2010	Approved	28-May-2010	2-Sep-2010						COMP

Technical Area	COC	Description	Verification	Scheduled Submittal Date	Status	Date Submitted	Date Approved	NOTES	Milestone Description	MILESTONE DATES	REQUIRED TIMING (days)	SCHEDULED SUBMITTAL DATE	STATUS
Facility Design	GEN-5 (Continued-1)	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.	28-May-2010	Approved	28-May-2010	2-Sep-2010						COMP
Facility Design	GEN-5 (Continued-2)	B. The soils engineer, geotechnical engineer, or civil engineer experienced and knowledgeable in the practice of soils engineering, shall: 1. Review all the engineering geology reports; 2. Prepare the foundation investigations, geotechnical, or soils reports containing field exploration reports, laboratory tests, and engineering analysis detailing the nature and extent of the soils that could be susceptible to liquefaction, rapid settlement, or collapse when saturated under load (2007 CBC, Appendix J, section J104.3, Soils Report; Chapter 18, section 1802.2, Foundation and Soils Investigations); 3. Be present, as required, during site grading and earthwork to provide consultation and monitor compliance with requirements set forth in the 2007 CBC, Appendix J, section J105, Inspections, and the 2007 California Administrative Code, section 4-211, Observation and Inspection of Construction (depending on the site conditions, this may be the responsibility of either the soils engineer, the engineering geologist, or both); and 4. Recommend field changes to the civil engineer and RE. This engineer shall be authorized to halt earthwork and to require changes if site conditions are unsafe or do not conform to the predicted conditions used as the basis for design of earthwork or foundations (2007 CBC, Appendix Chapter 1, section 114, Stop Orders).	At least 30 days (or within a project owner- and CBO-approved alternative time frame) prior to the start of rough grading, the project owner shall submit to the CBO for review and approval, resumes and registration numbers of the responsible civil engineer, soils (geotechnical) engineer, and engineering geologist assigned to the project. At least 30 days (or within a project owner- and CBO-approved alternative time frame) prior to the start of construction, the project owner shall submit to the CBO for review and approval, resumes and registration numbers of the responsible design engineer, mechanical engineer, and electrical engineer assigned to the project. The project owner shall notify BLM's Authorized Officer and the CPM of the CBO's approvals of the responsible engineers within 5 days of the approval. If the designated responsible engineer is subsequently reassigned or replaced, the project owner has 5 days in which to submit the resume and registration number of the newly assigned engineer to the CBO for review and approval. The project owner shall notify BLM's Authorized Officer and the CPM of the CBO's approval of the new engineer within 5 days of the approval.	28-May-2010	Approved	28-May-2010	2-Sep-2010						COMP

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Facility Design	GEN-5 (Continued-3)	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.	28-May-2010	Approved	28-May-2010	2-Sep-2010						COMP
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.	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.	As needed	As needed								

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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 & .d) files, with restricted (password-protected) printing privileges, on archive quality compact discs.	As needed	Ongoing				Complete All Construction (Use Mechanical completion date for Unit 3)	10-Jul-2013	90	8-Oct-2013	
Geology & Paleontology (Unit 1)	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.	8/20/2010 (Unit 1 and CLA)	Unit 1 & CLA - Approved	Unit 1 & CLA - 10/4/2010	7-Oct-2010						COMP
Geology & Paleontology (Unit 2)	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.	9/3/2010 (Unit 2)	Unit 2 - Submitted	9-Feb-2011							
Geology & Paleontology (Unit 3)	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.	9/17/2010 (Unit 3)	Unit 3 - Submitted	29-Mar-2011							

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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.	Annually	Ongoing	23-Sep-2012							RFS
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.	TBD	As needed	9/26/2012 & 11/01/12		Chem Clean procedures submitted 9/26/12, and 11/01/12	Receipt of hazardous materials for commissioning or operations	under review	60	30-Sep-2012	RC
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	11-Jun-2010	Approved	9-Jul-2010	7-Oct-2010	Safety Management Plan submitted on 4/29/13					COMP
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	13-Aug-2010	Approved	13-Aug-2010	7-Oct-2010						COMP
Hazardous	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	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	TRD	As needed								RC

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Materials	HAZ-5	and approval. The project owner shall implement site security measures addressing physical site security and hazardous materials storage.	1. Access control to the site; 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;	TBD	As needed								NO
Hazardous Materials	HAZ-5 (continued-1)	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.	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 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; 7. Site access controls for employees, contractors, vendors, and visitors;	TBD	As needed								

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Hazardous Materials	HAZ-5 (continued-2)	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.	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 Vandalproof 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.	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.	TBD	As needed								
Land Use	LAND-1	The project owner shall obtain a Right-of-Way Grant (ROW Grant) from the Bureau of Land Management (BLM). Among the conditions for obtaining the ROW grant, the applicant shall provide the following: A. Prior to issuance of any right of way grant, the project owner shall submit a final Plan(s) of Development that describes in detail the construction, operation, maintenance, and termination of the right-of-way and its associated improvements and/or facilities. The project owner shall construct, operate, and maintain the facilities, improvements, and structures within this right-of-way in strict conformity with the final approved Plan of Development. The degree and scope of these plans will vary depending upon (1) the complexity of the right-of-way or its associated improvements and/or facilities, (2) the anticipated conflicts that require mitigation, and (3) additional technical information required by BLM's Authorized Officer and the CPM. The plans will be reviewed, and if appropriate, modified by the project owner until acceptable, and approved by BLM's Authorized Officer and the CPM. B. A bond, acceptable to BLM's Authorized Officer, shall be furnished by the owner prior to the issuance of a Notice to Proceed with construction or at such earlier date as may be specified by BLM's Authorized Officer. The amount of this bond shall be determined by BLM's Authorized Officer. This bond must be maintained in effect until removal of improvements and restoration of the right-of-way have been accepted by BLM's Authorized Officer and the CPM.	At least 30 days prior to the start of construction and prior to any Notice to Proceed with construction issued by BLM's Authorized Officer and the CPM, the project owner shall provide BLM's Authorized Officer and the CPM with documentation of the following: A. BLM's ROW Grant and final approved Plan of Development; B. The bond satisfactory to BLM's Authorized Officer; C. Certification that the project owner acknowledges that the ISEGS development and all related construction, operation, maintenance and closure activities are to be conducted in conformance with the approved Plan of Development and within the approved ROW boundaries for the life of the project.	17-Sep-2010	Approved	4-Oct-2010	3/14/2012 CLA and Tortoise Pen along I-15; 5/07/12 Yates Well rd;					COMP	

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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.	9-Jul-2010	Approved	16-Jul-2010	7-Oct-2010						COMP
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 <u>Solar / Ecological Interpretive Center</u> 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.	Mar-2013	Not yet started Estimated due date of Plan for Solar Education Ctr March 1, 2013	23-Sep-2013	BLM Approved on 9/23/13	9/25/13: Solar/Ecological Interpretive Center Plan was submitted to BLM on 9/23/2013; BLM approved on 9/25/13. The Plan was submitted to CEC on 9/25/13.	Unit 1 Start of commercial operation	1-Jul-2013	30	1-Jun-2013	

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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.	2011	Ongoing Multiple submittals required								
Facility Design	MECH-2	For all pressure vessels installed in the plant, the project owner shall submit to the CBO and California Occupational Safety and Health administration (Cal/OSHA), prior to operation, the code certification papers and other documents required by applicable LORS. Upon completion of the installation of any pressure vessel, the project owner shall request the appropriate CBO and/or Cal/OSHA inspection of that installation (2007 CBC, Appendix Chapter 1, section 109.5, Inspection Requests). The project owner shall: 1. Ensure that all boilers and fired and unfired pressure vessels are designed, fabricated, and installed in accordance with the appropriate section of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, or other applicable code. Vendor certification, with identification of applicable code, shall be submitted for prefabricated vessels and tanks; and 2. Have the responsible design engineer submit a statement to the CBO that the proposed final design plans, specifications, and calculations conform to all of the requirements set forth in the appropriate ASME Boiler and Pressure Vessel Code or other applicable codes.	At least 30 days (or within a project owner- and CBO-approved alternative time frame) prior to the start of on-site fabrication or installation of any pressure vessel, the project owner shall submit to the CBO for design review and approval the above-listed documents, including a copy of the signed and stamped engineer's certification, with a copy of the transmittal letter to BLM's Authorized Officer and the CPM. The project owner shall transmit to BLM's Authorized Officer and the CPM, in the monthly compliance report following completion of any inspection, a copy of the transmittal letter conveying the CBO's and/or Cal/OSHA inspection approvals.	TBD	Completed				Start of fabrication or installation of pressure vessel	28-Aug-2012	30	29-Jul-2012	
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.	2011	Ongoing Multiple submittals required								

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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. <u>This telephone number shall be maintained until the project has been operational for at least one year.</u>	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.	7-Oct-2010	Approved	7-Oct-2010	7-Oct-2010						COMP
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.	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.	13-Aug-2010	Approved	11-Aug-2010	7-Oct-2010						COMP
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 noisurvey 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.	TBD	As needed								

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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.	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.	13-Aug-2010	Approved	28-Jul-2010	2-Sep-2010						COMP
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 than 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.		Completed	Unit 1 Notification submitted on 2/6/13; Unit 2 Notification submitted on 3/20/13; Unit 3 Notification submitted on 4/9/13							RA
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 on-site 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.	11-Jun-2010	Approved	11-Jun-2010	7-Oct-2010						

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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.	2-Aug-2010	Approved	30-Jul-2010	2-Sep-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 <u>Paleontological Resources Monitoring and Mitigation Plan (PRMMP)</u> 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.	13-Aug-2010	Approved	20-Aug-2010	30-Sep-2010						COMP
Geology & Paleontology	PAL-3 (Continued)	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.	13-Aug-2010	Approved	20-Aug-2010	30-Sep-2010						

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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.	2-Jul-2010	Approved	6-Jul-2010	30-Sep-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.	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.	Monthly	Ongoing								
Geology & Paleontology	PAL-5 (Continued)	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.	Monthly	Ongoing								

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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.	As needed	As needed								
Geology & Paleontology	PAL-7	The project owner shall ensure preparation of a Paleontological Resources Report (PRR) by the designated PRS. The PRR shall be prepared following completion of the ground-disturbing activities. The PRR shall include an analysis of the collected fossil materials and related information, and submit it to the CPM for review and approval. The report shall include, but is not limited to, a description and inventory of recovered fossil materials; a map showing the location of paleontological resources encountered; determinations of sensitivity and significance; and a statement by the PRS that project impacts to paleontological resources have been mitigated below the level of significance.	Within 90 days after completion of ground-disturbing activities, including landscaping, the project owner shall submit the PRR under confidential cover to BLM's Authorized Officer and the CPM.	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 completion of 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.	Sep-2013	Plan was submitted and under review								
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	N/A	N/A								

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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 DRAINAGE EROSION AND SEDIMENT CONTROL PLAN (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 features 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 legible 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.	1-Jul-2010	DESCP (Phase 1) - Approved; (Phase 2) - Submitted; (Phase 3) - Submitted	DESCP (Phase 1) 6/15/2010; (Phase 2) 1/28/2011; (Phase 3) 4/8/2011	DESCP (Phase 1) 10/4/2010	Ongoing reporting in the monthly compliance report, Annual SWPP submitted 8/31/12					RC
Soil & Water	S&W-1 (continued-1)	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.	1-Jul-2010	Approved	DESCP (Phase 1) 6/15/2010; (Phase 2) 1/28/2011; (Phase 3) 4/8/2011	4-Oct-2010						

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Soil & Water (Continued)	S&W-1 (continued-2)	Clearing and Grading: The plan shall provide a delineation of all areas to be cleared of vegetation, areas to be preserved, and areas where vegetation would be cut to allow clear movement of the heliostats. The plan shall provide elevations, slopes, locations, and extent of all proposed grading as shown by contours, cross-sections, cut/fill depths or other means. The locations of any disposal areas, fills, or other special features shall also be shown. Existing and proposed topography tying in proposed contours with existing topography shall be illustrated. The DESCP shall include a statement of the quantities of material excavated at the site, whether such excavations or fill is temporary or permanent, and the amount of such material to be imported or exported or a statement explaining that there would be no clearing and/or grading conducted for each element of the project. Areas of no disturbance shall be properly identified and delineated on the plan maps. Soil Wind and Water Erosion Control: The plan shall address exposed soil treatments to be used during construction and operation of the proposed project for both road and non-road surfaces including specifically identifying all chemical based dust palliatives, soil bonding, and weighting agents appropriate for use at the proposed project site that would not cause adverse effects to vegetation; BMPs shall include measures designed to prevent wind and water erosion including application of chemical dust palliatives after rough grading to limit water use. All dust palliatives, soil binders, and weighting agents shall be approved by both BLM's Authorized Officer and the CPM prior to use. Project Schedule: The DESCP shall identify on the topographic site map the location of the site-specific BMPs to be employed during each phase of construction (initial grading, project element construction, and final grading/stabilization). BMP implementation schedules shall be provided for each project element for each phase of construction.	The DESCP shall be consistent with the grading and drainage plan as required by Condition of Certification CIVIL-1, and relevant portions of the DESCP shall be submitted to the chief building official (CBO) for review and approval. In addition, the project owner shall do all of the following: a. No later than ninety (90) days prior to start of site mobilization, the project owner shall submit a copy of the DESCP to the County of San Bernardino and the RWQCB for review and comment. Both BLM's Authorized Officer and the CPM shall consider comments received from San Bernardino County and RWQCB and approve the DESCP. b. During construction, the project owner shall provide an analysis in the monthly compliance report on the effectiveness of the drainage-, erosion- and sedimentcontrol measures and the results of monitoring and maintenance activities. c. Once operational, the project owner shall provide in the annual compliance report information on the results of storm water BMP monitoring and maintenance activities. d. Provide BLM's Authorized Officer and the CPM with two (2) copies each of all monitoring or compliance reports.	1-Jul-2010	Approved	18-Jun-2010	4-Oct-2010						
Soil & Water	S&W-1 (continued-3)	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.	1-Jul-2010	Approved, Ongoing Reporting included in Monthly MCR	18-Jun-2010	4-Oct-2010					RC	
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). <u>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.</u>	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. <u>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.</u> 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 Lahontan RWQCB regarding the WDRs for discharge of storm water associated with construction and industrial activity within ten (10) days of its receipt or submittal. .	7/19/2010-Initial SWPPP; Industrial SWPPP due 60 days Prior to completion of Unit 1-April 2013 (ISWPPPP estimated FEB 1, 2013)	Approved; Annual Report No. 1 Filed 9.1.2011 Industrial SWPPP for Operations submitted to CEC/BLM on 8/27/13	16-Jul-2010	30-Sep-2010						

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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.	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 <u>Groundwater Monitoring and Management Plan</u> to the County of San Bernardino for review and comment (see Condition of Certification Soil & Water - 6) 2. No later than sixty (60) days prior to the construction of the onsite groundwater wells, the project owner shall submit to both BLM's Authorized Officer and the CPM a copy of the water well construction packet submitted to the County of San Bernardino for review and comment. 3. No later than thirty (30) days prior to the construction of the onsite water supply wells, the project owner shall submit a copy of any written comments received from the County of San Bernardino indicating whether the proposed well construction activities comply with all county well requirements and meet the requirements established by the county's water well permit program. 4. No later than sixty (60) days after installation of each well at the project site, the project owner shall provide to both BLM's Authorized Officer and the CPM copies of the Well Completion Reports submitted to the DWR by the well driller. The project owner shall submit to the CPM with the Well Completion Report a copy of well drilling logs, water quality analyses, and any inspection reports. 5. During well construction and for the operational life of the well, the project owner shall submit two (2) copies each to BLM's Authorized Officer and the CPM for review and approval any proposed well construction or operation changes. 6. The project owner shall provide BLM's authorized officer and the CPM with (2) two copies each of all monitoring and other reports required for compliance with the County of San Bernardino water well standards and operation requirements. 7. No later than fifteen (15) days after completion of the onsite water supply wells, the project owner shall submit documentation to BLM's Authorized Officer and the CPM, confirming that well drilling activities were conducted in compliance with Title 23, California Code of Regulations, Chapter 15, Discharges of Hazardous Wastes to Land, (23 CCR, sections 2510 et seq.) requirements and that any onsite drilling sumps used for project drilling activities were removed in compliance with 23 CCR section 2511(c). 8. Annual Monitoring Reports will be submitted which include Quarterly monitoring data as described in the Approved Groundwater Monitoring and Management Plan. The First Annual Report will be a Baseline Report which includes the Well Network and level monitoring report and plan	9/23/2010(GW MMP); Baseline Report 8/1/12, 2nd Annual report 1/31/13	GWMMMP Approved 11/03/10; Well Completion Reports Filed for PW-1 PW-2 MW-1(3/03/11) , Baseline First Annual Monitoring Report submitted on August 10, 2012	11/2/2010 Addendum to GWMMMP submitted to San Bernardino Co and CEC; First Annual Report(Baseline) submitted on 8/10/12, 2nd annual Report to be submitted January 31, 2013 for 2012 data	GWMMMP 11/3/2010						
		Baseline First Annual GW report Submitted						10-Aug-2012		10-Aug-2012	RC		

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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.	2011, 2012, 2013..	Ongoing semi-annually in MCR and in Annual Monitoring Reports	Semi Annual Water Usage Calcs filed on 5/9/2011; 10/7/2011; 4/20/2012, 10/20/12			Semi Annual Reports submitted	9/31/12			RC
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:	24-Sep-2010	Approved Storm Water Damage Monitoring & Response Plan for Operations submitted to CEC/BLM on 8/27/13"	24-Sep-2010	7-Oct-2010						
Soil & Water	S&W-5 (Continued-1)	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.	• 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."	24-Sep-2010	Approved Storm Water Damage Monitoring & Response Plan for Operations submitted to CEC/BLM on 8/27/13"	24-Sep-2010	7-Oct-2010						

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Soil & Water	S&W-5 (Continued-1a)	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.	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.	24-Sep-2010	Approved Storm Water Damage Monitoring & Response Plan for Operations submitted to CEC/BLM on 8/27/13"	24-Sep-2010	7-Oct-2010						
Soil & Water	S&W-5 (Continued-1b)	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 <u>Storm Water Damage Monitoring and Response Plan</u> 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 debris from the ground, and document the damage and debris.	2013	Approved Storm Water Damage Monitoring & Response Plan for Operations submitted to CEC/BLM on 8/27/13"								
Soil & Water	S&W-5 (Continued-1c)	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 <u>Storm Water Damage Monitoring and Response Plan</u> 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	2013	Approved Storm Water Damage Monitoring & Response Plan for Operations submitted to CEC/BLM on 8/27/13"								

Technical Area	COC	Description	Verification	Scheduled Submittal Date	Status	Date Submitted	Date Approved	NOTES	Milestone Description	MILESTONE DATES	REQUIRE D TIMING (days)	SCHEDULED SUBMITTAL DATE	STATUS
Soil & Water	S&W-5 (Continued-1d)	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.	• Monitoring, documenting, and restoring the Ivanpah plays 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 downstreamtransport. • 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.	2013	Storm Water Damage Monitoring & Response Plan for Operations submitted to CEC/BLM on 8/27/13"								
Soil & Water	S&W-5 (Continued-2)	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.	• 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.	2013	Storm Water Damage Monitoring & Response Plan for Operations submitted to CEC/BLM on 8/27/13"								
Soil & Water	S&W-5 (Continued-2)	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.	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.	2013	Storm Water Damage Monitoring & Response Plan for Operations submitted to CEC/BLM on 8/27/13"								

Technical Area	COC	Description	Verification	Scheduled Submittal Date	Status	Date Submitted	Date Approved	NOTES	Milestone Description	MILESTONE DATES	REQUIRE D TIMING (days)	SCHEDULED SUBMITTAL DATE	STATUS
Soil & Water	S&W-6	The project owner shall submit a <u>Groundwater Monitoring and Reporting Plan</u> 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 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.	8/18/2010(GW MMP); First Annual Baseline Report incl Well Monitoring, Installation \$ GW Level Network Report Submitted 8/10/12	Approved	16-Jul-2010	5-Nov-2010	ANNUAL REPORT FOR 2012 due by 3/31/13		ANNUAL REPORT FOR 2012 due by 3/31/13		31-Mar-2013	RC
Soil & Water	S&W-6 (continued-1)	The project owner shall submit a <u>Groundwater Monitoring and Reporting Plan</u> 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.	2. At least two (2) months prior to completion of construction, a <u>Well Monitoring Installation and Groundwater Level Network Report (which is also part of the First Annual GW Report-Baseline Monitoring Report)</u> 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-buils, 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.	8/18/2010(GW MMP); First Annual Baseline Report incl Well Monitoring, Installation \$ GW Level Network Report Submitted 8/10/12	Approved	16-Jul-2010	5-Nov-2010	ANNUAL REPORT FOR 2012 due by 3/31/13		ANNUAL REPORT FOR 2012 due by 3/31/13		31-Mar-2013	RC
Soil & Water	S&W-6 (continued-2)	The project owner shall submit a <u>Groundwater Monitoring and Reporting Plan</u> 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.	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. <u>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 waterlevel 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.</u>	8/18/2010(GW MMP); First Annual Baseline Report incl Well Monitoring, Installation \$ GW Level Network Report Submitted 8/10/12	Approved	16-Jul-2010	5-Nov-2010	ANNUAL REPORT FOR 2012 due by 3/31/13		ANNUAL REPORT FOR 2012 due by 3/31/13		31-Mar-2013	RC
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).	TBD	As needed								

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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.	2013	Sanitary Waste System Plan Submitted on 3/25/13	25-Mar-2013							
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.	1-Oct-2010	Approved	5-Oct-2010	7-Oct-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.	2011	Ongoing Multiple submittals required								
Facility Design	STRUCT-1 (Continued)	2. Obtain approval from the CBO for the final design plans, specifications, calculations, soils reports, and applicable quality control procedures. If there are conflicting requirements, the more stringent shall govern (for example, highest loads, or lowest allowable stresses shall govern). All plans, calculations, and specifications for foundations that support structures shall be filed concurrently with the structure plans, calculations, and specifications (2007 CBC, Appendix Chapter 1, section 109.6, Approval Required); 3. Submit to the CBO the required number of copies of the structural plans, specifications, calculations, and other required documents of the designated major structures prior to the start of on-site fabrication and installation of each structure, equipment support, or foundation (2007 California Administrative Code, section 4-210, Plans, Specifications, Computations and Other Data); 4. Ensure that the final plans, calculations, and specifications clearly reflect the inclusion of approved criteria, assumptions, and methods used to develop the design. The final designs, plans, calculations, and specifications shall be signed and stamped by the responsible design engineer (2007 CBC, Appendix Chapter 1, section 106.3.4, Design Professional in Responsible Charge); and 5. Submit to the CBO the responsible design engineer's signed statement that the final design plans conform to applicable LORS (2007 CBC, Appendix Chapter 1, section 106.3.4, Design Professional in Responsible Charge).	At least 60 days (or within a project owner- and CBO-approved alternative time frame) prior to the start of any increment of construction of any structure or component listed in Facility Design Table 2 of Condition of Certification GEN-2, above, the project owner shall submit to the CBO the above final design plans, specifications, and calculations, with a copy of the transmittal letter to BLM's Authorized Officer and the CPM. The project owner shall submit to BLM's Authorized Officer and the CPM, in the next monthly compliance report, a copy of a statement from the CBO that the proposed structural plans, specifications, and calculations have been approved and comply with the requirements set forth in applicable engineering LORS.	20-Aug-2010	Approved	20-Aug-2010	2-Sep-2010						

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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.	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.	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.	TBD	Not yet started								

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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 ;	16-Jun-2010	Approved	18-Jun-2010	7-Oct-2010						
Traffic & Transport.	TRANS-1 (Continued)	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.	• redirection of construction traffic with a flag person as necessary to ensure traffic safety and minimize interruptions to non-construction related traffic flow; • signage, lighting, and traffic control device placement at the project construction site and laydown areas; • signage along eastbound and westbound Yates Well Road and at the entrance of each of the I-15 northbound and southbound off-ramps at Yates Well Road notifying drivers of construction traffic throughout the duration of the construction period; • signage and detours to redirect traffic from Colosseum Road during construction activities related to roadway realignment and pipeline installation in and across the Colosseum Road right of way; • a Heavy Haul Plan addressing the transport and delivery of heavy and oversized loads requiring permits from Caltrans or other state and federal agencies; • a work schedule and end-of-shift departure plan will be implemented to limit Friday departures from the site, traveling north to Las Vegas to 12 or fewer vehicles every three minutes between 12:00 noon and 10:00 PM .	16-Jun-2010	Approved	18-Jun-2010	7-Oct-2010						

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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.	10-Aug-2010	Approved	24-Jun-2010	2-Sep-2010						
Traffic & Transport.	TRANS-2 (continued)	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.	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.	10-Aug-2010	Approved	24-Jun-2010	2-Sep-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:	2013	Approved	Heliostat Positioning Plan was submitted on 1/14/2013. Revision 1 was submitted on 4/19/2013. Approved by BLM on 6/13/13. Revision 1 was resubmitted on 9/13/13. Approved by CEC on 12/10/13	6/13/2013 12/10/13						

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Traffic & Transport.	TRANS-3 (continued)	The project owner shall prepare a Heliostat Positioning Plan that would avoid potential for human health and safety hazards from solar radiation exposure.	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 in relation to the proposed Southern Nevada Supplemental Airport and be updated on an annual basis for the first 5 years, and at 2-year intervals thereafter for the life of the project.	2013	Approved	Heliostat Positioning Plan was submitted on 1/14/2013. Revision 1 was submitted on 4/19/2013. Approved by BLM on 6/13/13. Revision 1 was resubmitted on 9/13/13. Approved by CEC on 12/10/13	6/13/2013 12/10/13						
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 (vanpah 1, 2 and 3); and D. After receiving a legitimate complaint regarding a distraction associated with the power towers.	2013	Approved	4/18/13: Power Tower Luminance Monitoring Plan Submitted on 4/5/2013. Approved by BLM on 6/13/13. Revision 1 was resubmitted on 9/13/13. Approved by CEC on 12/10/13	6/13/2013 12/10/13						RFS
Traffic & Transport.	TRANS-4 (continued-1)	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.	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; the measurements 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.	2013	Approved	4/18/13: Power Tower Luminance Monitoring Plan Submitted on 4/5/2013. Approved by BLM on 6/13/13. Revision 1 was resubmitted on 9/13/13. Approved by CEC on 12/10/13	6/13/2013 12/10/13						RFS

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Traffic & Transport.	TRANS-4 (continued-2)	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.	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.	2013	Approved	4/18/13: Power Tower Luminance Monitoring Plan Submitted on 4/5/2013. Approved by BLM on 6/13/13. Revision 1 was resubmitted on 9/13/13. Approved by CEC on 12/10/13	6/13/2013 12/10/13						RFS
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, 469'. Further clarification from FAA dated Aug 8 2012 states- "The crane, with the functioning medium-dual lighting shall remain right on-site adjacent to this solar tower until the exact day the solar tower has actually reached its greatest height per the airspace determination height of 469 feet agl with the medium dual lighting installed and functioning. Only then should she submit another 7460-2 Part 2 with data that completely coincides with the airspace determination requirements for the structure reaching its greatest height. Then the crane can be removed, but only after all the above has been completed. And the current medium dual lighting on the crane shall be monitored for its full functioning just like a permanent structure. If any of the lights fail, a light outage notification shall be immediately reported." If lighting is out on the cranes or on the permanent lighting atop the Towers, for more than 30 minutes, notification will be made to the FAA. Also notification will be made when the issue has been fixed. 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 greatest tower height and also the completed construction of each of three power towers, the project owner shall submit the FAA forms, and notify BLM's Authorized Officer and CEC CPM .	2012/2013	All notifications up-to-date to FAA and BLM, Form 7460-2 shall be submitted to FAA on the day the cranes are removed at Towers 2 and 3 , and permanent lighting structures are operating atop the towers per correspondence with FAA 8/8/12	Tower 1 Greatest Height Notification made with FAA Form 7460-1 for ASN:20008-AWP-3209-OE on 3/19/12, part 1 construction began ; Tower 2 Greatest Height Notification to FAA form 7460-2 for ASN:2008-AWP-6483-OE made on 6/07/12-459' (FAA notified of construction start dates Twr 1-2011 Twr 2 - 9/6/11, twr 3- 1/17/12; Tower 3 notification made for GH on 8/2/12 however FAA revised when we should submit this nification */08/12**	GHN made with FAA Form 7460-1 for ASN:20008-AWP-3209-OE Approved on 3/19/12 for Tower 1; Tower 2 ASN:2008-AWP-6483-OE Approved 6/07/12**					RFS	
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.	2013	FAA Notification Completed. FAA determined facility a "No Hazard"			No expected turbulence during operation					RFS

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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 Buses Surge Arrestors Disconnects Take Off Facilities Electrical Control Building Switchyard Control Building Transmission Pole/Tower Grounding System	13-Aug-2010	Approved	16-Jul-2010	2-Sep-2010						
Transmission System Engineering	TSE-2	Prior to the start of construction, the project owner shall assign an electrical engineer and at least one of each of the following to the project: A) a civil engineer; B) a geotechnical engineer or a civil engineer experienced and knowledgeable in the practice of soils engineering; C) a design engineer who is either a structural engineer or a civil engineer fully competent and proficient in the design of power plant structures and equipment supports; or D) a mechanical engineer. (Business and Professions Code Sections 6704 et seq. require state registration to practice as a civil engineer or structural engineer in California. The tasks performed by the civil, mechanical, electrical, or design engineers may be divided between two or more engineers, as long as each engineer is responsible for a particular segment of the project (e.g., proposed earthwork, civil structures, power plant structures, equipment support). No segment of the project shall have more than one responsible engineer. The transmission line may be the responsibility of a separate California-registered electrical engineer. The civil, geotechnical or civil, and design engineer assigned in conformance with Facility Design condition GEN-5, may be responsible for design and review of the TSE facilities.	At least 30 days prior to the start of rough grading (or a lesser number of days mutually agreed to by the project owner and the CBO), the project owner shall submit to the CBO for review and approval, the names, qualifications, and registration numbers of all the responsible engineers assigned to the project. The project owner shall notify BLM's Authorized Officer and the CPM of the CBO's approvals of the engineers within five days of the approval. If the designated responsible engineer is subsequently reassigned or replaced, the project owner has five days in which to submit the name, qualifications, and registration number of the newly assigned engineer to the CBO for review and approval. The project owner shall notify BLM's Authorized Officer and the CPM of the CBO's approval of the new engineer within five days of the approval.	15-Sep-2010	Approved	28-May-2010	2-Sep-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 calculations.	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.	15-Sep-2010	Approved	28-May-2010	2-Sep-2010						

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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.	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.	2011	Ongoing								
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.	At least 60 days prior to the start of construction of transmission facilities (or a lesser 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.	2011	Ongoing Multiple submittals required								
Transmission System Engineering	TSE-5 (continued)	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 distribution facilities 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 Protection System (SPS) sequencing and timing if applicable, 2. Executed project owner, Transmission System Operator and California ISO Large Generator Interconnection Agreement.	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.	2011	Ongoing Multiple submittals required								

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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.	TBD	Notice to CAISO has been provided by Owner								
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	2013	Submitted As-Built engineering description of the electrical, mechanical, structural and civil portion of the transmission facilities	19-Nov-2013							
Transm. Lines	TLSN-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.	24-Nov-2010	Submitted	24-Nov-2010							
Transm. Lines	TLSN-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. <u>These measurements shall be completed no later than 6 months after the start of operations.</u>	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.	2013	Not yet started								RFS
Transm. Lines	TLSN-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.	2014	Ongoing - annually								RFS
Transm. Lines	TLSN-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.	2013	Completed								RFS

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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 non-specular and non-reflective, and the insulators shall be non-reflective and non-refractive. The project owner shall submit for CPM review and approval, a specific Surface Treatment Plan that will satisfy these requirements.	At least 90 days prior to specifying to the vendor the colors and finishes for each set of structures or buildings that are surface treated during manufacture, the project owner shall submit the proposed treatment plan to BLM's Authorized Officer and the CPM for review and approval and simultaneously to San Bernardino County for review and comment. If BLM's Authorized Officer and the CPM determine that the plan requires revision, the project owner shall provide to BLM's Authorized Officer and the CPM a plan with the specified revision(s) for review and approval by BLM's Authorized Officer and the CPM before any treatment is applied. Any modifications to the treatment plan must be submitted to BLM's Authorized Officer and the CPM for review and approval. BLM's Authorized Officer and the CPM shall review and approve the Surface Treatment Plan or identify any material deficiencies within thirty (30) days of receipt. The treatment plan shall include: A. A description of the overall rationale for the proposed surface treatment, including the selection of the proposed color(s) and finishes; B. A list of each major project structure, building, tank, pipe, and wall; the transmission line towers and/or poles; and fencing, specifying the color(s) and finish proposed for each. Colors must be identified by vendor, name, and number; or according to a universal designation system; C. One set of color brochures or color chips showing each proposed color and finish; D. A specific schedule for completion of the treatment; and E. A procedure to ensure proper treatment maintenance for the life of the project. The project owner shall not specify to the vendors the treatment of any buildings or structures treated during manufacture, or perform the final treatment on any buildings or structures treated in the field, until the project owner receives notification of approval of the treatment plan by BLM's Authorized Officer and the CPM. Subsequent modifications to the treatment plan are prohibited without BLM's Authorized Officer and CPM approval. Prior to the start of commercial operation, the project owner shall notify BLM's Authorized Officer and the CPM that surface treatment of all listed structures and buildings has been completed and they are ready for inspection and shall submit to each one set of electronic color photographs from the same key observation points identified in (d) above. The project owner shall provide a status report regarding surface treatment maintenance in the Annual Compliance Report. The report shall specify: a) the condition of the surfaces of all structures and buildings at the end of the reporting year; b) maintenance activities that occurred during the reporting year; and c) the schedule of maintenance activities for the next year.	9-Jun-2010	Approved	6/30/2010; 11/4/2010 (amend. 1 & 2); 12/8/2010 (amend. 3 & 4); 4/5/2011 (amend. 5 & 6); Plan Revision 1 May 27, 2011; Revision 1.2 submitted June 27, 2011; Revision 1.3 submitted September 7, 2011	10/7/2010; 11/23/2010 (amend. 1 & 2); 1/10/2011 (amend. 3 & 4); 4/15/2011 (amend. 5); 5/2/2011 (amend. 6)	Lighting Plan Addendum 1 submitted 11/02/12					RFS

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Visual Resources	VIS-2	At the request of, and in consultation with BLM's Authorized Officer, the CPM and the golf course owner, the project owner shall prepare a perimeter landscape screening plan to reduce the visibility of the proposed ISEGS project as seen from the golf course. The purpose of the plan shall be to provide screening of the power project, particularly the mirror fields, while retaining as much of the scenic portion of the overall views of Ivanpah Valley and Clark Mountains as feasible. The design approach shall be developed with prior consultation with the golf course owner, and implemented only at the golf course owner's request. The project owner shall submit to BLM's Authorized Officer and the CPM for review and approval and simultaneously to the golf course owner for review and comment a preliminary conceptual landscaping plan whose objective is to provide an attractive visual screen to views of the ISEGS project mirror fields. Upon approval by BLM's Authorized Officer and the CPM and golf course owner, the project owner shall submit to BLM's Authorized Officer and the CPM for review and approval and simultaneously to the golf course owner for review and comment a landscaping plan whose proper implementation will satisfy these requirements. The plan shall not be implemented until the project owner receives final approval from BLM's Authorized Officer and the CPM.	The landscaping plan shall be submitted to BLM's Authorized Officer and the CPM for review and approval and simultaneously to the golf course owner for review and comment at least 90 days prior to installation of the landscaping. If BLM's Authorized Officer and the CPM determine that the plan requires revision, the project owner shall provide to BLM's Authorized Officer and the CPM and simultaneously to the golf course owner a revised plan for review and approval by BLM's Authorized Officer and the CPM. The plan shall include: A. A detailed landscape, grading, and irrigation plan, at a reasonable scale. The plan shall demonstrate how the requirements stated above shall be met. The plan shall provide a detailed installation schedule demonstrating installation of as much of the landscaping as early in the construction process as is feasible in coordination with project construction. B. A list (prepared by a qualified professional arborist familiar with local growing conditions) of proposed species, specifying installation sizes, growth rates, expected time to maturity, expected size at five years and at maturity, spacing, number, availability, and a discussion of the suitability of the plants for the site conditions and mitigation objectives, with the objective of providing the widest possible range of species from which to choose; C. Maintenance procedures, including any needed irrigation and a plan for routine annual or semi-annual debris removal for the life of the project; D. A procedure for monitoring for and replacement of unsuccessful plantings for the life of the project; and E. One set each for BLM's Authorized Officer and the CPM of 11"x17" color photo simulations of the proposed landscaping at five years and twenty years after planting, as viewed from adjoining segments of I-15. The plan shall not be implemented until the project owner receives final approval from BLM's Authorized Officer and the CPM. The planting must occur during the first optimal planting season following site mobilization. The project owner shall simultaneously notify BLM's Authorized Officer and the CPM and the golf course owner within seven days after completing installation of the landscaping, that the landscaping is ready for inspection. The project owner shall report landscape maintenance activities, including replacement of dead or dying vegetation, for the previous year of operation in each Annual Compliance Report.	TBD	Landscaping along the Golf Course was completed			Lighting Plan Addendum 1 submitted 11/02/12					RFS
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	Lighting Plan Addendum 1 submitted 11/02/12			Lighting Plan Addendum 1 submitted 11/02/12					

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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:	15-Nov-2010	Lighting Plan Addendum 1 submitted 11/02/12	11/1/2010; 12/14/2010 (amend. 1)	Amend 1 approved by BLM and CEC on 1/11/2012	Lighting Plan Addendum 1 submitted 11/02/12					RFS
Visual Resources	VIS-4 (Continued)	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.	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;	15-Nov-2010	Lighting Plan Addendum 1 submitted 11/02/12	11/1/2010; 12/14/2010 (amend. 1)	Amend 1 approved by BLM and CEC on 1/11/2012	Lighting Plan Addendum 1 submitted 11/02/12					RFS
Visual Resources	VIS-4 (Continued-1)	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.	E. All lighting shall be of minimum necessary brightness consistent with operational safety and security; and F. Lights in high illumination areas not occupied on a continuous basis (such as maintenance platforms) shall have (in addition to hoods) switches, timer switches, or motion detectors so that the lights operate only when the area is occupied. The project owner shall not order any exterior lighting until receiving BLM Authorized Officer and CPM approval of the lighting mitigation plan. Prior to commercial operation, the project owner shall notify BLM's Authorized Officer and the CPM that the lighting has been completed and is ready for inspection. If after inspection, BLM's Authorized Officer and the CPM notify the project owner that modifications to the lighting are needed, within 30 days of receiving that notification the project owner shall implement the modifications and notify BLM's Authorized Officer and the CPM that the modifications have been completed and are ready for inspection.	15-Nov-2010	Submitted	11/1/2010; 12/14/2010 (amend. 1)	Amend 1 approved by BLM and CEC on 1/11/2012	Lighting Plan Addendum 1 submitted 11/02/12					RFS
Visual Resources	VIS-4 (Continued-2)	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.	Within 48 hours of receiving a lighting complaint, the project owner shall provide BLM's Authorized Officer and the CPM with a complaint resolution form report as specified in the Compliance General Conditions including a proposal to resolve the complaint, and a schedule for implementation. The project owner shall notify BLM's Authorized Officer and the CPM within 48 hours after completing implementation of the proposal. A copy of the complaint resolution form report shall be submitted to BLM's Authorized Officer and the CPM within 30 days.	15-Nov-2010	Submitted	11/1/2010; 12/14/2010 (amend. 1)	Amend 1 approved by BLM and CEC on 1/11/2012	Lighting Plan Addendum 1 submitted 11/02/12					RFS

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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.	9-Aug-2010	Approved	16-Jul-2010	7-Oct-2010						COMP
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.	As needed	As needed								
Waste Mgmt	WASTE-3	The project owner shall prepare a Construction Waste Management Plan for all wastes generated during construction of the facility and shall submit the plan to BLM's Authorized Officer and the CPM for review and approval. The plan shall contain, at a minimum, the following: • a description of all construction waste streams, including projections of frequency, amounts generated, and hazard classifications; and • management methods to be used for each waste stream, including temporary on-site storage, housekeeping and best management practices to be employed, treatment methods and companies providing treatment services, waste testing methods to assure correct classification, methods of transportation, disposal requirements and sites, and recycling and waste minimization/source reduction plans.	The project owner shall submit the Construction Waste Management Plan to BLM's Authorized Officer and the CPM for approval no less than 30 days prior to the initiation of construction activities at the site. BLM's Authorized Officer and the CPM shall approve or identify any material deficiencies in the Construction Waste Management Plan within 30 days following receipt of the Plan.	15-Jun-2010	Approved	25-Jun-2010	7-Oct-2010						COMP
Waste Mgmt	WASTE-4	The project owner shall obtain a hazardous waste generator identification number from the United States Environmental Protection Agency prior to generating any hazardous waste during project construction and operations.	The project owner shall keep a copy of the identification number on file at the project site and provide documentation of the hazardous waste generation notification and receipt of the number to BLM's Authorized Officer and the CPM in the next scheduled Monthly Compliance Report after receipt of the number. Submittal of the notification and issued number documentation to BLM's Authorized Officer and the CPM is only needed once unless there is a change in ownership, operation, waste generation, or waste characteristics that requires a new notification to USEPA. Documentation of any new or revised hazardous waste generation notifications or changes in identification number shall be provided to BLM's Authorized Officer and the CPM in the next scheduled compliance report.	As needed	Ongoing. Hazardous Waste Generator ID from USEPA was obtained on 9/27/13.	27-Sep-2013							RC
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.	As needed	As needed								

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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.	2013	Operations Waste Management Plan was submitted on 9/24/2013	24-Sep-2013						RFS	
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.	As needed	As needed/ONGOING REPORTED IN MCR								
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.	8-Sep-2010	Approved	3-Sep-2010	7-Oct-2010					COMP	

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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.	2013	Submitted Project Operations Safety and Health Program to BLM's Authorized Officer and the CPM.	19-Nov-2013						RFS	
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.	13-Aug-2010	Approved.	6/24/2010. 12/17/2013	2-Sep-2010				COMP		
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.	20-Aug-2010	Approved	20-Aug-2010	2-Sep-2010					COMP	
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.	13-Aug-2010	Approved	13-Aug-2010	2-Sep-2010					COMP	
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.	15-Jul-2010	Approved	7-Jul-2010	7-Oct-2010					COMP	

Technical Area	COC	Description	Verification	Scheduled Submittal Date	Status	Date Submitted	Date Approved	NOTES	Milestone Description	MILESTONE DATES	REQUIRED TIMING (days)	SCHEDULED SUBMITTAL DATE	STATUS
Worker Safety & FP	WS-7	The project owner shall either: (1) Reach an agreement with the San Bernardino County Fire Department (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.	1-Mar-2011	In progress					1-Jan-2013		1-Jan-2013	RFS
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.	1-Mar-2011	In progress					1-Jan-2013		1-Jan-2013	RFS
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.	1-Oct-2010	Approved	4-Oct-2010	7-Oct-2010						COMP

Exhibit 4

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

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Air Quality Monthly Compliance Report

**May 2014 Reporting
Period**

**IVANPAH SOLAR ELECTRIC GENERATING
SYSTEM**

**CALIFORNIA ENERGY COMMISSION
DOCKET NUMBER 07-AFC-5**

**Submitted
June 13, 2014**

**Completed by:
Doug Davis, AQCMM,
BrightSource Energy Inc.**

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1. Conditions Satisfied During Reporting Period

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

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

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

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

Every attempt was made to ensure the use of Tier III equipment on the site for construction diesel engines with a rating of 50 hp or higher during the month of May 2014. 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.

See “Table 1 Air Quality-Actions That Satisfied the Conditions of Certification” below for more detail. Full CEC Conditions, and other regulatory requirements and details are included in the ISEGS Compliance Matrix under the Air Quality Conditions in Exhibit 3 of this Monthly Compliance Report.

	TABLE 1 AIR QUALITY ACTIONS THAT SATISFIED THE CONDITIONS OF CERTIFICATION Revised 6/10/14	
Condition	Actions that Satisfied the Condition	Date Submitted
AQ-5	Unit 1 Auxiliary Boiler Performance test date for tower stack emissions was revised to April 9, 2013, and notification made to Agencies for approval.	04/03/13
AQ-5	Unit 1 Auxiliary Boiler Stack emission initial performance testing was completed, the test results have been submitted along with the Coriolis Fuel Meter Verification for the Unit 1 Fuel Gas	04/09/13;05/15/13
AQ-5	Unit 1 Auxiliary Boiler Stack emission initial performance re- test was completed on 9/12/13. Test Results was submitted on 11/6/13.	11/6/13
AQ-5	Unit 2 Auxiliary Boiler Performance testing protocol and anticipated test date (6/2/13) was submitted, extension requested for test results to be submitted by 8/31/13, new testing date is set for 7/31/13	04/30/13; 6/12/13
AQ-5	Unit 2 Auxiliary Boiler Initial Performance testing protocol and anticipated test date extension requested for test results to be submitted by 11/11/13, new testing date is set for 10/11/13	7/31/13
AQ-5	Unit 2 Auxiliary Boiler Initial Performance testing / Stack Emissions Test were completed on 8/24/13. Submittal of Emissions Test Result was made on 10/16/13	10/16/13
AQ-5	Unit 3 Auxiliary Boiler Performance testing protocol and anticipated test date (7/1/13) was submitted	05/07/13
AQ-5	Unit 3 Auxiliary Boiler Initial Performance testing protocol and anticipated test date extension requested for test results to be submitted by 11/11/13. Emissions test was completed on 9/10/13. Emissions Test Result was submitted on 10/23/13.	7/31/13 10/23/13
AQ-7	Submitted responses and received Revised DRAFT ATC documents from MDAQMD, Received approval of AQ amendment and ATC permits changes(2/13/13)	11/30/12; 02/13/13
AQ-7	Submitted Notifications of Anticipated First Fire of Unit 1, 2 and 3 of Auxiliary Boiler & Draft Compliance/Testing Plan for Units 1,2 &3	08/21/12, 01/18/13, 04/03/13
AQ-7	Submitted Notification of Actual First Fire Date of Unit 1 Auxiliary Boiler FF DATE:11/18/12	11/28/12
AQ-7	Submitted Notifications of Anticipated First Fire of Unit 2 Auxiliary Boiler & Compliance/Testing Plan	01/18/13
AQ-7	Submitted Notification of Actual First Fire Date of Unit 2 Auxiliary Boiler FF DATE:01/29/13	01/30/13
AQ-7	Submitted Notification of Actual First Fire Date of Unit 3 Auxiliary Boiler FF DATE:4/06/13	04/09/13
AQ-8	Records of fuel supplier certifications of fuel sulfur content shall be maintained to demonstrate compliance with the sulfur dioxide and particulate matter emission limits.	Completed for 2013. Ongoing for 2014
AQ-9	Auxiliary Boiler specifications for each power block were submitted on August 23, 2011	08/23/11
AQ-10	Emissions Estimation Plan for Units 1, 2, & 3 was submitted to MDAQMD and CEC on 11/18/13	11/18/13
AQ-12	Annual Fuel Use for the Auxiliary Boilers and Nighttime Preservation Boilers shall not exceed 328 MMSCF of natural gas- Record Logs are being kept and monitored, and fuel use will not exceed maximum limits. Amendment revised limits	03/13/13 date of amendment; 2013 completed; ONGOING for 2014

	TABLE 1 Continued AIR QUALITY ACTIONS THAT SATISFIED THE CONDITIONS OF CERTIFICATION Revised 6/10/14	
Condition	Actions that Satisfied the Condition	Date Submitted
AQ-13 thru AQ-18	Records of fuel and required Logs are being recorded for the 3 Unit Emergency Fire Pumps to ensure compliance with regulations. Meters are being maintained and data logged during use at all Units and CLA.	Completed for 2013 ONGOING for 2014
AQ-15	Specifications for the 3 Emergency Fire Pump hour timers for each power block were submitted	06/26/11
AQ-19	Specifications for the 3 Emergency Fire Pump engines for each power block were submitted,	06/06/11 02/28/12
AQ-20 thru AQ-26	Records of fuel and required Logs are being recorded for the 3 Unit Emergency Generators to ensure compliance with regulations. Meters are being maintained and data logged during use at all Units	Completed for 2013 ONGOING for 2014
AQ-22	Specifications for the 3 Unit Emergency Generator hour meters for each power block were submitted,	9/26/11 revised 2/28/12
AQ-26	Specifications for the Emergency Generator engines for each Unit's power block were submitted on 02/09/11,	Units-02/09/11, 2/28/12 CLA-03/21/13
AQ-27 thru AQ-34	Nighttime Preservation Boilers Records of fuel and required Logs are being recorded for the 3 Nighttime Preservation Boilers to ensure compliance with regulations. Meters are being maintained and data logged during use at all Units and CLA. Fuel Flow rate is being continuously monitored	Completed for 2013 ONGOING for 2014
AQ-27	Specifications for the 3 Nighttime Preservation Boilers to be submitted	02/28/12 in amendment request
AQ-31	Annual Tune-ups required prior to testing.	Tentative: 8/9/2014
AQ-35 thru AQ- 41	Records of fuel and required Logs are being recorded for the CLA Emergency Generators to ensure compliance with regulations. A Meter is being maintained and data logged during use	Completed for 2013 ONGOING for 2014
AQ-37	Specifications for the CLA Emergency Generator submitted	03/21/13
AQ-41	Specifications for the CLA Emergency Generator Hour Timer to be submitted	03/21/13
AQ-44	Specifications for the hour meter for the CLA Emergency Fire Pump to be submitted	6/11/2011
AQ-42 thru AQ-48	Records and Logs are being recorded for the CLA Emergency Fire Pump to ensure compliance with regulations. A hour Meter is being maintained and data logged during use	Completed for 2013 ONGOING for 2014
AQ-48	Specifications for the CLA Emergency Fire Pump to be submitted	6/11/2011
AQ-SC2	Submitted AQCMP to BLM on 10/7/10. Approved on 12/20/10. Revision 1 was submitted to CEC on 3/11/11. Revision 2	03/11/11
AQ-SC2	Implemented the Air Quality Construction Mitigation Plan (AQCMP) as approved on June 2, 2011.	06/02/11
AQ-SC3	Submitted documentation of compliance with the Air Quality Construction Mitigation Plan (AQCMP) within MCR	05/15/13

AQ-SC4	Submitted documentation of compliance with the Dust Plume Response Requirement Within MCR	05/15/13
AQ-SC5	Submitted Construction Mitigation Report summary within the MCR demonstrating compliance with the AQCMP	05/15/13
AQ-SC6	Submitted On-Site Vehicle Plan for mirror washing activities on behalf of ISEGS O&M	8/22/13
AQ-SC7	Submitted Site Operations Dust Control Plan on behalf of ISEGS O&M	8/27/13
AQSC-8	Submitted Construction Mitigation Report demonstrating compliance with the AQCMP	04/11/13
AQSC-8	Copies of current Authority To Construct (ATC) were submitted to CEC on 11/19/13	11/19/13
AQ-SC9	Specifications for the Emergency Fire Pump and Emergency Generator for each power block were submitted on June 2, 2011 and for the CLA emergency Generator in March 2013	06/02/11 03/21/13

2. Missed Submittal Deadlines

There were no missed submittal deadlines within the May 2014 reporting period.

3. Project Compliance Activities

3.1 AQCOMM (AQ-SC1)

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

3.2 AQCMP (AQ-SC2)

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

3.3 Fugitive Dust (AQ-SC3)

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

- X Main roads were paved or stabilized using water
- X Unpaved roads were stabilized using water
- X Disturbed areas were watered during grading
- X Disturbed areas were stabilized using water
- X Vehicle speed limits were enforced in accordance with the AQCMP
- X Visible speed limit sign was posted at the construction site entrance
- X Construction equipment vehicle tires were inspected to prevent tire track out on paved roadways
- X All unpaved exits from the construction site were treated to prevent track-out to public roadways
- X All construction vehicles entered the construction site through the treated entrance roadways as specified in the SWPPP and DESCP
- X Run-off prevention measures were applied to construction areas adjacent to paved

roadways

- X Paved roadways were swept daily or as needed
- X Paved public roadways were swept as needed

- X No soil storage piles or disturbed areas remained inactive for longer than 10 days during the reporting period
- X No vehicles were used to transport solid bulk material off site onto public roadways.
- X Wind erosion control techniques were applied at construction areas
- X Gravel ramps of at least 20 feet in length at the tire washing/cleaning station were implemented as the station construction and required water lines have been developed
- ☐ Other actions were taken (describe).

3.4 Dust Plume Response (AQ-SC4)

No dust plumes to report on in the month of May 2014.

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

No new activity to report in the month of May 2014.

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

5. Complaints and Compliance Actions (Compliance-6)

There were no formal air quality complaints, notices of violation, official warnings, or citations received on the Ivanpah SEGS project site during the May 2014 reporting period.

5.1 Complaints

No complaints were received during the reporting period.

5.2 Notices of Violation

No notices of violation were received during the reporting period.

5.3 Official Warnings

No official warnings were received during the reporting period.

5.4 Citations

No citations were received during the reporting period.

Appendix A

Key Events List Conditions of Certification COMP-6

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KEY EVENTS LIST

Last Updated June 10, 2014

PROJECT/POWER PLANT: Ivanpah SEGS

DOCKET #: 07-AFC-5C

BLM'S AUTHORIZED OFFICER:

MIKE AHRENS

COMPLIANCE PROJECT MANAGER:

JOSEPH DOUGLAS

EVENT DESCRIPTION	DATE
Certification Date	09/22/2010
Obtain Site Control: ROW Grants Obtained	10/07/2010
Online Date (Actual)	12/30/2013
POWER PLANT SITE ACTIVITIES	
Start Site Mobilization	10/08/2010
Start Ground Disturbance	10/08/2010
Start Grading	11/11/2010
Start Construction (Heliostat Bldg)	03/02/2011
Begin Pouring Major Foundation Concrete (SRSG Foundation)	04/27/2011
Begin Installation of Major Equipment (SRSG Load Module 1)	11/22/2011
Completion of Installation of Major Equipment (Turnover SRSG)	08/13/2012
First Roll of Steam Turbine	11/19/2012
Obtain Building Occupancy Permit (Admin bldg)	03/31/2012
Start Commercial Operation Unit 1 (Actual)	1/11/2014
Complete All Construction (Pending completion of all punch list items)	5/31/2014
GENERATION TIE LINE ACTIVITIES	
Start Generation Tie Line Construction	3/12/2012
Synchronization with Grid and Interconnection	9/20/2013
Complete Generation Tie Line Construction	7/1/13
FUEL SUPPLY LINE ACTIVITIES	
Start Kern River Gas Pipeline Construction and Interconnection	07/30/12
Complete Gas Pipeline Construction	08/02/12
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

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There is currently no Heavy Equipment reporting for the month of May, 2014.

Appendix C

Compliance Matrix—Pre-Construction

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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

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AIR QUALITY COMPLIANCE MATRIX-CONSTRUCTION Revised 6/05/14

CONDITION NUMBER	DESCRIPTION OF REQUIREMENT	REQUIRED SUBMITTAL DATE	COMPLIANCE STATUS (NOT STARTED, IN PROGRESS, ONGOING, COMPLETED)
AQSC-3	Main access roads paved or stabilized using soil binders	Prior to initiating construction in the main power block area	Completed
AQSC-3	Delivery areas paved	Prior to taking initial deliveries	Completed
AQSC-3	Unpaved roads stabilized	After construction of road, prior to use	Completed
AQSC-3	Disturbed areas watered as needed	MONTHLY	Ongoing
AQSC-3	Inspect equipment vehicle tires prior to entering paved roadways	MONTHLY	Ongoing
AQSC-3	Implement run-off control measures	MONTHLY	Ongoing
AQSC-3	Paved roads shall be swept daily on days when construction activity	MONTHLY	Ongoing
AQSC-3	First 500 feet of any paved public roadway exiting the site swept as	MONTHLY	Ongoing
AQSC-3	Soil storage piles and disturbed areas covered or treated with dust	MONTHLY	Ongoing
AQSC-4	Increase application of dust plume mitigation if visible dust	MONTHLY	Ongoing
AQSC-4	Implement additional dust plume mitigation if visible dust plumes are not eliminated within one hour of	MONTHLY	Ongoing
AQSC-4	Shutdown activity generating dust plume if dust plume not eliminated	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 vehicle and equipment fleet for mirror washing and facility maintenance	60 days prior to the start of commercial operation	Completed
AQSC-6	Submit fleet plan to CPM	60 days prior to the start of commercial operation	Completed
AQSC-7	Prepare Operations Dust Control Plan	60 days prior to the start of commercial operation	Completed
AQSC-7	Submit Operations Dust Control Plan to BLM and	60 days prior to the start of commercial operation	Completed
AQSC-8	Submit copies of ATCs and PTOs from District	15 days after receipt	Completed

AIR QUALITY COMPLIANCE MATRIX-CONSTRUCTION Revised 6/05/14

CONDITION NUMBER	DESCRIPTION OF REQUIREMENT	REQUIRED SUBMITTAL DATE	COMPLIANCE STATUS (NOT STARTED, IN PROGRESS, ONGOING, COMPLETED)
AQSC-9	Submit Emergency Engine specifications to CPM	Prior to engine installation	Completed Submitted August 28, 2011
AQ-5	Submit Performance test protocol for auxiliary Boiler stack emissions, and scheduled test date	30 day notice to MDAQMD/180 days of FF	Unit 1-3/12/13, Test Date 4/09/13 Unit 2-4/30/13 Test Date (7/31/13) Unit 3- 05/07/13 Test Date (07/02/13) Completed
AQ-5	Submit Initial Performance test results to Agencies for each Auxiliary Boiler Stack Emissions	Within 180 days of First Fire	Unit 1 Submitted 5/15/13 Unit 2 Submitted 10/16/13 Unit 3 Submitted 10/23/13 Completed
AQ-7	Submit Notifications of Pending First Fire/Start-up of Auxiliary Boilers, and Notification of Actual First Fire Dates	30 days, and/or 15 days, Notices	Completed Unit 1; Unit 2 and Unit 3 Completed Unit 1; Unit 2 and Unit 3
AQ-17 AQ-15	Submit specifications of hour meter for fire pumps	30 days prior to installation	Completed Submitted 6/6/2011
AQ-22 AQ-19	Submit engine fire pump specification	30 days prior to purchase	Completed Submitted 6/6/2011
AQ-26 AQ-22	Submit specifications of hour meter for Emergency Generators	30 days prior to installation	Completed Submitted 9/26/2011,
AQ-31 AQ-26	Submit specifications of Emergency Generators	30 days prior to purchase	Completed Submitted 6/6/2011, 3/21/13 For CLA EG(AQ Amendment 1 Approved 2/13/13)

***See Table 1 in AQ summary for more details on activities each month that satisfy requirements of COC's, and the Entire Compliance Matrix Exhibit 3 Air Quality Sections in the Monthly Compliance Report.**

Appendix E

Vehicle Undercarriage Inspection Log

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ISEGS Vehicle Undercarriage Inspection Logs are continually updated, and available upon request.

Exhibit 5

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

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Storm Water Monitoring Program										Observer:	Carl Jeffries
										Observation Month:	May
Monthly Visual Observations of Storm Water – Discharges (SWD) – Monthly Form											
Date & Time	Site Visited	General Conditions & Observations (e.g. weather, house cleaning)	Specific Visual Observations: Yes or No for each								Comments
			Runoff	Color	Floatables	Odor	Stain	Sheen	Turbidity	Other	
5/14 @10.00	Unit 1	Dry, clear, windy, some litter	No	No	No	No	No	No	No	No	
5/14 @12.30	Unit 2	Dry, clear, windy, some litter	No	No	No	No	No	No	No	No	
5/14 @1.00	Unit 3	Dry, clear, windy, some litter	No	No	No	No	No	No	No	No	
5/14 @1.30	HAB	Dry, clear, windy, some litter	No	No	No	No	No	No	No	No	
5/14 @1.45	Admin.	Dry, clear, windy, some litter	No	No	No	No	No	No	No	No	
5/14 @2.00	Road Drainage	Dry, clear, windy, some litter	No	No	No	No	No	No	No	No	
5/14 @2.30	Common Area	Dry, clear, windy, some litter	No	No	No	No	No	No	No	No	
* = Little but not significant amount observed NA = Not Applicable Approximate Start of Rain Event Approximate Start of Significant Discharge Additional Comments											

Exhibit 6

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

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Acuren		
Scott Ring	5/8/2014	1
ARB		
Jim Martin	5/27/2014	4
Randy McIntyre	5/19/2014	
Ryan McIntyre	5/19/2014	
Toby Kovaleff	5/19/2014	
Atlas Inspection Technologies		
Daniel Rodriquez	5/5/2014	2
Tory Levi	5/5/2014	
Bay Value		
Scott Schulz	5/19/2014	1
Bechtel		
Michael Kannine	5/5/2014	2
Robert Zarbo	5/27/2014	
Brand		
Ernest Martina	5/19/2014	3
Leyland Montoya	5/19/2014	
Todd Rachman	5/19/2014	
Cardno Entrix		
Chris Brundage	5/5/2014	2
Tim Thompson	5/5/2014	
HT Harvey		
Canyon Miller	5/21/2014	4
Fern Hoffman	5/5/2014	
Lauralea Oliver	5/21/2014	
Monica Hemenez	5/21/2014	
JM Carden		
Daniel Sequra	5/5/2014	2
Dominic Montellano	5/5/2014	
NRG		
Laura Sterk	5/12/2014	1
Olsen & Leonard		
Adrian Novoa	5/27/2014	19
Artemio Gutierrez	5/27/2014	
Christopher Palma	5/27/2014	
Eric Hernandez	5/27/2014	

fernando Sandoval	5/27/2014	
Jan Valencia	5/27/2014	
Juan Parra	5/27/2014	
Kristene St John	5/19/2014	
Manuel Cortez Luevano	5/27/2014	
Matthew Nguyen	5/27/2014	
Marcos De La Paz	5/27/2014	
Nicolas Zacarias	5/27/2014	
Ramon Arce	5/27/2014	
Robert Atwood	5/19/2014	
Robert McBride	5/27/2014	
Rodolfo Favela	5/27/2014	
Sergio Gutierrez	5/27/2014	
Sergio Raudales	5/27/2014	
Uvaldo Bonilla	5/27/2014	
Petrochem		
Luis Medina	5/12/2014	2
Matthew Brown	5/12/2014	
Quality Mechanical		
David Green	5/27/2014	1
Republic Services		
Dario Perez	5/22/2014	3
Jay Muraitami	5/22/2014	
Marvin McCullah	5/22/2014	
Siemens		
Markus Jocker	5/5/2014	2
Tommy Svensson	5/5/2014	
Solar Partners		
Arik Skromme	5/14/2014	12
Chandra Liewellyn	5/14/2014	
Cynthia Furman	5/14/2014	
David Prival	5/5/2014	
Doug Cassler	5/8/2014	
Gilli Turgeman	5/12/2014	
Imogen Daly	5/14/2014	
Jacquelyn Smith	5/14/2014	
Moty Golan	5/27/2014	
Nadav Bar-Or	5/12/2014	
Noam David	5/27/2014	
Shawn Lindey	5/14/2014	

Southwest Steel

Justin Moore	5/5/2014	5
John Logan	5/5/2014	
Joseph Landis	5/12/2014	
Joshua Zobrist	5/12/2014	
Chuck Baer	5/5/2014	

SW Specialty Contractors

Aaron Quiroz	5/5/2014	2
Benjamin Schuler	5/5/2014	

Total Western

Ladon Gilbert	5/12/2014	2
Mike Bakke	5/5/2014	

USGS

Ernest Valdez	5/8/2014	3
Paul Cryan	5/8/2014	
Robert Diehl	5/8/2014	

Total	73

Exhibit 7

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

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No reporting for Cultural Resources will be made for the month of May, 2014.

Exhibit 8

Paleontological Resource Monthly Compliance Report Condition of Certification PAL-5

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As reported in the January, 2014 Monthly Compliance Report Summary (Exhibit 1), there will be no further Paleontological reporting, as required conditions have been satisfied.

Exhibit 9

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

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Attention: Doug Davis
Environmental Specialist III
NRG Services
100302 Yates Well Road
Nipton, CA 92364
Office: 510-250-6974

June 11, 2014

REGARDING: ISEGS Monthly Compliance Report, May 1, 2014 – May 31, 2014

As per the California Energy Commission (CEC) Ivanpah Solar Electric Generating System (ISEGS) Commission Decision, CEC-800-2010-004 CMF, the following monthly report briefly summarizes compliance with biological resource activities during the period from May 1, 2014 through May 31, 2014 on construction, facility startup, and operation of the ISEGS Project in Ivanpah Valley, San Bernardino County, California. Unless otherwise noted, this report does not repeat information provided in previous monthly compliance reports.

Desert Tortoises on the Project, Recipient and Control Sites

During the month of May, all telemetered project tortoises were radio tracked on a weekly basis (per the terms of the June 10, 2011 Biological Opinion). See Figures 1 - 10 for initial and recent locations of all project tortoises. See Table 1 for the ISEGS Desert Tortoise Master List.

Injured or Sick Monitored Tortoises

As discussed in previous monthly reports, two injured or sick adult desert tortoises (BS507, female, control tortoise with injured cloacal area; BS82, male, translocated tortoise, diagnosed with herpes.) are being cared for in the holding pens pending healing of the injury (BS507) and selection of a long-term care facility (BS82). Two other tortoises were treated in May.

BS202

On May 16, 2014 husbandry personnel noticed rear limb weakness in juvenile tortoise BS202 (85mm MCL) in the head start pens after its health exam. BS202 was able to move its front limbs but there was weakness in the rear limbs. Shannon DiRuzzo DVM was consulted and suggested soaking the tortoise. The tortoise was soaked but no improvement was seen.

BS202 went into a burrow and was not observed out of the burrow until May 20, 2014 at which time it was observed walking with rear limb weakness. On May 21, 2014 BS202 was soaked in water and was still observed with rear limb weakness while walking.

BS202 was evaluated by Dr. Boyer at Pet Hospital of Penasquitos in San Diego, CA on Friday May 23, 2014. Dr. Boyer reported that BS202 had a soft shell and GI tract full of gravel. Dr. Boyer started calcium supplementation and monitored his weight, eating, defecation, and will continue to monitor how the gravel clears out with radiographs. His prognosis is good as long as he continues eating and defecating. but. To date, BS202 is eating well and defecating well under the care of Dr. Boyer. BS80

On April 24, 2014 BS80 (Translocatee, male, 257mm MCL) was observed walking with a lack of coordination along the north fence line (11S 0637239E 3939012N NAD83) of Unit 3 in the recipient area. Upon further observation BS80 appeared to have normal behavior feeding along the fence line but had an awkward, labored, and uncoordinated gate. When walking, BS80 was slow and his limbs did not move normally. On April 28, 2014 BS80 was transported to an off-site veterinarian for further evaluation. On May 17, BS80 returned to the site and was placed in a large quarantine pen. BS80 has been observed regularly moving about its pen, including feeding and utilizing artificial burrows. BS80 continues to have an awkward and uncoordinated gate, but otherwise displays normal tortoise behavior. Continued daily monitoring will occur.

Missing Monitored Tortoises

A total of 24 tortoises were unaccounted for in May. Five of the 24 unaccounted for tortoises are from the holding pens. See Table 5, Desert Tortoise Master List for all Tortoises Encountered and Marked Between January 1, 2014 and May 31, 2014, for the current disposition of all project tortoises. Biologists will continue to listen for radio signals for the missing tortoises with transmitters and will look for them in the field when conducting scheduled surveys and monitoring. Husbandry personnel will continue to search for the missing juvenile tortoises in the holding pens.

Deceased Monitored Tortoises

BS122

At approximately 06:59 am on May 20, 2014, a biologist conducting bi-annual health exams in the ISEGS recipient site found translocated (short distance 2012) tortoise BS122 (adult male, 215 mm MCL) deceased. There were teeth marks on the shell and all limbs were missing, though the head remained. The transmitter was found 40 meters away, unattached and with possible teeth marks on it. The wounds were fresh and the death likely occurred within the last 24 hours.

BS122 was initially located on April 12, 2011, has been tracked weekly (March – Mid-November) and every other week (Mid-November – February) and location/activity data have been collected. The most recent tracking record prior to finding BS122 deceased was on May 12, 2014. At the time of this tracking event, BS122 was found resting under the cover of a shrub, approximately 240 meters from its fatality location. See Figure 11 for a map.

BS652

At approximately 13:19 pm on May 05, 2014, a biologist conducting weekly radio telemetry on tortoises in the ISEGS control site found control tortoise BS652 (adult male, 237 mm MCL) deceased. The tortoise was found overturned in a sandy area. The tortoise had urinated (particulates present) on its plastron and in the axillary area around the hind limbs and cloaca. There was a 40 cm diameter circle shaped indentation in the sand-surrounding the tortoise. Based on the indentation in the sand surrounding the tortoise it appears the tortoise attempted to right itself but was unsuccessful. There were tortoise tracks present and a disturbed area in the sand approximately 2 meters away from tortoise mortality location. The disturbed area in the sand is consistent with tortoise combat. The cause of death was determined to be hyperthermia associated with being flipped on its back and unable to right itself.

There were no signs of canids or any other predators. All limbs and head were intact and no visible signs of trauma. Estimated time of death is less than 1 week from time of discovery based on the condition of the tissue remains.

BS652 was initially located on October 17, 2011, has been tracked weekly (March – Mid-November) and every other week (Mid-November – February) and location/activity data has been collected. The most recent tracking record prior to finding B652 deceased was on April 29, 2014. At the time of this tracking event, BS652 was found resting under the cover of a shrub, alive approximately 100 meters from its fatality location. See Figure 12 for a map.

Holding Pens

In compliance with the Husbandry Plan developed for the ISEGS Project, desert tortoises moved to the holding pens within the Common West area were monitored daily. As of May 31, 2014, there were 110 tortoises residing in the holding pens. This included three adult tortoises (all injured tortoises noted in the “Injured or Sick Monitored Tortoise” section are each in individual, quarantined pens) and 107 non-adult (Head start) tortoises (these tortoises share pens unless they test positive or suspect for disease, per the mandates of the Husbandry Plan).

During the month of May temperatures were varied though a gradual warming trend continued throughout

the month. The highest temperature recorded this month was 103 degrees Fahrenheit and the lowest was 39 degrees Fahrenheit. On May 6, 2014, 0.12 inches of rain fell at the holding pens.

During the month all tortoises were seen above ground and active after the winter brumation (with exception of the 5 missing tortoises). All tortoises appear to be in good health and act normally for this time of year. The active times of day, in general, were from 0900 to 1100, and again from 1530 to 1800. During daily observations tortoises are regularly observed feeding, walking, utilizing burrows, and resting at the surface.

During May health assessments were conducted on all tortoises in the holding pens. Only one tortoise was seen to have health issues, BS202 (see "*Injured or Sick Monitored Tortoise*" section). All other tortoises at the holding pens and headstart appear to be in good health and are showing some growth. Many of the larger tortoises in the headstart now have iButtons for recording temperatures. The iButtons were placed on tortoises during the health assessment.

Daily monitoring of the pens for potentially active tortoises continued throughout the month.

As discussed above, one additional tortoise was added to the holding pens in May (BS80).

The native forage plants within the pens have now been mostly consumed. Tortoises will continue to be offered a 50/50 mix of Timothy Hay and native dried summer annual grasses. This feed has been treated with a new calcium supplement and offered to all tortoises. Tortoises are commonly seen eating this mix of feed.

Pen staff has continued replacing the 4-inch tube burrows for larger 6-inch culvert burrows to accommodate growing tortoises. Ant bait stations were refilled as needed in and among the pen aisles as a broad-scale preventative measure against fire ant proliferation.

During the month of May there was one small rain event on May 6. No erosion, breaching of fences, or damage to burrows took place as a result of the rain.

As per the husbandry protocols, all tortoises in the holding pens were provided with supplemental food, calcium supplement and access to fresh water in addition to access to the naturally growing annuals in the holding pens.

No ravens were seen perching on the quarantine pens or on the netting above any pens in May.

Ongoing Construction Monitoring and Surveys

The following section summarizes biological monitoring activities conducted throughout May 2014. Please refer to sections "*Desert Tortoises on the Project, Recipient and Control Sites*", "*Nesting Birds*," "*Burrowing Owls*," "*Golden Eagle and Red-tailed Hawk Nests*," "*Raven Monitoring and Management*," "*Avian and Bat Mortality and Injury*," "*Kit Fox, Badger and Mammal Burrow Monitoring*," and "*Other Animal Species*" for specific information on wildlife found by biological monitors in May.

During May, temperatures fluctuated from mild and warm to hot, with a few moderate wind events. There was daily tortoise activity both outside the project fences and inside the husbandry pens. There was one rain event during the month, on May 6. The event did not produce measurable precipitation at the CLA rain gauge, but recorded .12 inches at the husbandry pens.

Project related activities monitored in tortoise habitat outside the cleared project area included inspections at the gasline tie-in and pigging station north of Unit 3, and weekly maintenance of the weather station. Monitoring within project boundaries prioritized fenceline monitoring, kit fox activity, demobilization, and weed surveys. H.T. Harvey and Associates conducted avian and bat mortality surveys.

On a typical weekday:

- One monitor coordinated and covered the three units and the Commons Areas, including fence lines and fence repairs, demobilization, punch list work, weed surveys, kit fox activity, and miscellaneous tasks.
- One monitor collected raven and nesting bird data.

Unit 1 Monitored Activity

A biological monitor surveyed fences for breaches, weeds, and tortoise activity, and supported power block activities as needed.

Unit 2 Monitored Activities

A biological monitor surveyed fences for breaches, weeds, and tortoise activity, and supported power block activities as needed.

Unit 3 Monitored Activities

A biological monitor surveyed fences for breaches, weeds, and tortoise activity, and supported power block activities as needed.

Construction Logistics Area (CLA) Monitored Activities

A biological monitor surveyed fences for breaches, weeds, and tortoise activity, and supported final punch list, and demobilization activities as needed.

Rain Events/Fence Repair

There was one minor rain event during the month, on May 6 (0.0 inches on the CLA rain gauge and .12 inches at the husbandry pens). The event caused no damage to or breaches under the project fenceline.

No fence repairs occurred during the month.

Kern River Gasline

Work on the Kern River Gasline was limited to inspections. Vehicles used to access this area were escorted and activities monitored.

Weed Surveys

Weekly weed surveys checked areas of vegetative disturbance on the perimeter of the units and CLA, and along major access roads. Effort during the month focused on known problem areas from 2013, and areas of potential weed distribution. Most noteworthy finds included new concentrations of *Salsola* seedlings and plants: 1) in Commons West on the slopes of the spoils pile; 2) on lower Colosseum Rd. at the site entrance and on the access road to Unit 3; and 3) west of Unit 2, at recently disturbed culvert sites. Monthly surveys were conducted on 5 associated revegetated areas (the gasline, the Kern River tie-in station perimeter, 115kV, 33kV drop, and the well road). All findings were collected and reported to the Designated Biologist.

Miscellaneous

A monitor provided escorts as needed for people to visit/work in areas outside the boundary fence, such as the weather station and the gasline.

A monitor accompanied USGS researchers collecting roughly 10 days of data to assess the effectiveness of equipment to detect aerial species and insects.

A monitor accompanied DeTect Avian Radar equipment onsite for three days of data collection necessary to prepare a product demonstration.

The last construction equipment and materials were collected and transported to a staging area north of the HAB. Most of the materials were shipped off site, sent to salvage, or disposed of. Monitors routinely inspected dumpsters to ensure containers with food trash were covered to prevent raven access. The laydown area west of the office trailers was cleared of materials at the end of the month, except for the pipes that constitute kit fox “Shelter Site 8.”

Other Animal Species

Observations of wildlife onsite in May included:

- Multiple black tailed jackrabbits
- Kit fox at various locations throughout the site.
- Two gopher snakes

The following wildlife was relocated by monitors:

- One Mojave Green snake
- One Long-nosed snake

Mammal mortality collected:

- Four black tailed jackrabbits
- Four rodents
- One patched nose snake

There were no mammal excavations observed under the fence lines during inspections.

Nesting Birds

There were two active bird nests discovered on the ISEGS site in May. The first was a horned lark nest with eggs observed May 7 in the Ivanpah 2 solar field. The second was a black-throated sparrow nest, also with eggs, found in Ivanpah 2 on May 9. Both nests had protective buffers placed, and workers in the area were informed of their presence. The only active nest remaining at the end of the month are the Say’s phoebes located in the CLA, currently feeding nestlings. Per COC BIO-15 no pre-construction nesting surveys were required on the ISEGS site for the month of May. See Table 2 for a list of nests and Figure 13 for nesting bird locations.

Burrowing Owls

No visual or auditory detections were made of burrowing owls on the ISEGS site during the month of May, and no photos of owls have been caught on motion sensor cameras placed at mammal burrows or shelter sites. In addition, no burrowing owl sign has been found this month by biological monitors on the site. There were no pre-construction surveys for owls warranted or performed this month as described under COC BIO-16. Tortoise trackers made no observations of burrowing owls in May.

Golden Eagles, Red-tailed Hawks and Other Raptors

No raptor nesting behavior was observed on the site this month. Off site, there are six pairs of red-tailed hawks nesting in the recipient areas, all using nests located in transmission towers. Four pairs have nestlings close to fledging, and one pair fledged their young during the last week of the month. The sixth pair was discovered May 1 in incubation, making a late season nesting attempt. The golden eagles occupying the Umberci Mine nesting territory were first observed incubating eggs March 11, in a nest on the cliffs east of the mine canyon. However, observations during the first week of April confirmed the pair failed in incubation, and they have not made a second nesting attempt. See Table 3 for a list of nests and Figure 14 for nesting raptor locations.

Biologists from H.T. Harvey and Associates currently conducting avian use surveys on the ISEGS site will be reporting their raptor observations on a quarterly basis.

Ravens

We continue to monitor common raven activity on the ISEGS site per COC BIO-12, and as outlined in the ISEGS Raven Management Plan. Currently, there are two pairs of adult ravens on the site. These resident birds use both the site and adjacent recipient areas. Vagrant raven activity on site this month was limited to sightings of solitary birds.

Raven activity in all units and the CLA is concentrated near the busiest areas of construction and operations related activity. The majority of anthropogenic raven foraging documented on site has been for food scraps discarded on the ground by construction personnel in work areas, parking lots, and along roadways. In May we observed ravens taking these ground scraps twice, and foraging on the ground in construction areas on unknown items six times. One observation was made this month of ravens successfully foraging from a truck bed, and another from bagged trash on the ground. There were no direct observations made this month of ravens foraging from uncovered dumpsters.

There were six observations this month of ravens drinking on site from anthropogenic sources. These included water spill containment pans, leaking pipes, and runoff from other leaking features. All instances of raven drinking were addressed directly with repairs or engineering alterations, and workers informed how to prevent ravens from accessing water.

We are currently monitoring five active raven nests off site in the recipient areas. Four of the nests fledged their young during the second half of the month, and the remaining pair has nestlings close to fledging. All nests are observed on a weekly basis to determine status and activity, and to search under nests for signs of predation on tortoises. So far no tortoise carcasses or remains have been found in association with these nests. Of the five monitored raven nests, only one belongs to an ISEGS resident pair, and only this nesting pair is observed using the site. In addition, the Ivanpah 3 resident pair did not make a nesting attempt this season. See Table 4 for a list of nests and Figure 15 for nest locations. See map, figure 18 for nesting raven locations.

Avian and Bat Mortality and Injury

80 avian mortalities were documented on the ISEGS site during the month of May. Per COC BIO-21 the Designated Biologist was informed and each incident was documented and reported (see Table 5).

No bat mortalities were recorded in May.

AMMP Implementation

Avian biologists and personnel from H.T. Harvey and Associates arrived on the ISEGS site in October 2013 to begin implementation of the USFWS, BLM, and CEC approved Avian Monitoring and Management Plan. They will conduct long term research on avian presence, use, and mortality associated with the site.

Kit Fox, Badger and Mammal Burrow Monitoring

The total number of burrows and shelter sites monitored for the ISEGS project is 82, with 80 on site and two off site: Den 38 in the Edison ROW and Den 73, 50 meters beyond the perimeter fence of commons east. A total of 73 burrows and shelter sites have been excavated, and 1 collapsed.

Observations were made at onsite Shelter Sites 7 and 8, and Dens 11, 55, 74, and 75—and off site Den 38—during the month of May. Den 11, within a sensitive resource area, is a burrow used by rabbits. Visual

inspection confirmed the presence of rabbits at the den on May 21. Visual inspection of Den 55 on May 27 revealed no apparent use by fox since it was abandoned in late March—the opening remains covered with thick cobwebs. Den 55 is located in vegetated area where there is no construction adjacent to the west fence line in commons west. Visual inspection of Den 75 on May 27 confirmed that the openings remain covered with moderate cobwebs and no other sign of fox activity is visible since it was abandoned on April 25 following a bobcat predation incident.

Den 74 was discovered in undisturbed vegetation in Commons West in March. Camera monitoring during May continued to document one fox regularly visiting, and sometimes sheltering, at the den. Use of the den occurred both during the daytime and the nighttime. Visits and use are regular, but not nightly.

On the morning of May 5, a monitor observed multiple fox in the same hole under a conex on the east side of the Heliostat Assembly Building (HAB). A motion camera was placed in the afternoon. Images reviewed on May 6 revealed 4 pups supported by an adult kit fox at this site, which was then protected with a 40m radius buffer and designated “Shelter Site 7.” This site is roughly 200 meters from Den 73, located offsite. (Den 73 has not been camera monitored since late fall when a pair of fox were regularly using it.) Camera monitoring of the shelter site continued through the month, documenting up to 5 fox, typically 2 or 3 at a time. It is getting harder to tell the pups apart from the adults in photo images.

Den 38 is located just outside the project boundary in the SCE ROW. It is visible from within the project and fox have access to the site from the den. A camera placed within the project in March revealed an active natal den with five pups, presumably the same 5 pups that were moved out of Den 55. The first record of a pup at Den 38 was on March 31 when a motion camera captured an image of an adult carrying a pup to the den. Camera monitoring through April 28 documented daily activity. The camera was removed from the offsite den on April 28. When a camera was reinstalled on Den 38 from May 12-20, no fox activity was documented. The den had been abandoned. Camera monitoring documented a coyote visiting the den on May 15.

On May 9 and 11, a weekend monitor observed a fox in a previously capped light pole in the Commons Logistics Area laydown yard, west of the office trailers. The light pole is mixed in with an assemblage of unused steam blow pipe of various diameters and lengths. A motion camera was installed on May 12. Images reviewed on May 13 revealed 5 pups supported by an adult kit fox at this site, which was then protected with a 40m radius buffer and designated “Shelter Site 8.” This site is roughly 150 meters from Den 38 and is presumably the same group of pups. Camera monitoring of the shelter site continued through the month, documenting up to 5 fox, typically 2 or 3 at a time. It is getting harder to tell the pups apart from the adults in photo images. See Figure 16 for burrow and shelter site locations.

We continue to monitor all movement of conex and other materials that could potentially shelter fox.

No badgers have been observed or reported, and no burrowing owl sign or photos have been documented at any monitored burrows or shelter sites.

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

* BS191 and BS193 have approximate Initial Process Dates

Table 1. Desert Tortoise Master List for all Tortoises Encountered and Marked Between October 8th 2010 and May 31, 2014.

Tort ID	Initial Process Location (GIS)	Pen #	Sex	Initial MCL	Recent MCL	Initial Process Date	Transmitter (Yes/No)	2014 Jan	Feb	Mar	Apr	May
BS01	Ivanpah 1		Female	184	221	10/9/2010	Yes	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)
BS02	Ivanpah 1		Male	264	270	10/9/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS03	Common East		Female	227	233	10/10/2010	No	Deceased (Aug 2011)				
BS04	Ivanpah 1		Male	252	260	10/10/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS05	Ivanpah 2		Male	216	240	10/7/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS06	Ivanpah 1		Male	257	272	10/12/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS07	Recipient Site		Unknown	94	129	10/12/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS08	Ivanpah 1		Female	209	210	10/12/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS09	Ivanpah 1		Male	253	259	10/14/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient

BS10	Recipient Site		Male	277	272	10/14/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS11	Recipient Site		Female	199	201	10/16/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS12	Recipient Site		Female	209	220	10/16/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS13	Recipient Site		Male	245	247	10/19/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS14	Ivanpah 1		Female	224	230	10/19/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS15	Recipient Site		Male	190	220	10/19/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS16	Recipient Site		Female	224	227	10/19/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS17	Common East		Unknown	116	149	10/20/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS18	Ivanpah 1	34	Unknown	72	121	10/20/2010	No	Pens	Pens	Pens	Pens	Pens
BS19	Recipient Site		Unknown	118	152	10/21/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS20	Ivanpah 2		Female	215	215	10/20/2010	No	Deceased (Oct 2010)				
BS21	Ivanpah 1		Male	241	252	10/21/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS22	Ivanpah 1		Male	231	238	10/22/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS23	Recipient Site		Female	242	247	10/23/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS24	Common West		Male	184	227	10/25/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS25	Ivanpah 1		Female	168	215	10/26/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS26	Ivanpah 1		Unknown	123	142	10/27/2010	No	Deceased (Apr 2012)				
BS27	Common East		Female	232	232	10/19/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS28	Ivanpah 1		Female	217	223	10/28/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS29	Ivanpah 1		Male	265	252	10/28/2010	Yes	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)
BS30	Recipient Site		Male	243	258	10/29/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS31	Ivanpah 1		Female	133	201	10/29/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS32	Ivanpah 1		Male	252	256	10/29/2010	Yes	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)

BS33	Recipient Site		Female	228	228	10/29/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS34	Ivanpah 1		Female	214	221	10/29/2010	No	Deceased (Aug 2012)				
BS35	Ivanpah 1		Unknown	143	172	10/29/2010	No	Deceased (Jul 2012)				
BS36	Ivanpah 1		Male	150	194	10/30/2010	No	Missing	Missing	Missing	Missing	Missing
BS37	Ivanpah 2		Male	243	270	10/30/2010	Yes	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)
BS38	Ivanpah 1		Female	223	235	10/30/2010	No	Deceased (May 2013)				
BS39	Ivanpah 1	34	Unknown	61	106	11/1/2010	No	Pens	Pens	Pens	Pens	Pens
BS40	Ivanpah 1	34	Unknown	69	114	11/1/2010	No	Pens	Pens	Pens	Pens	Pens
BS41	Ivanpah 1		Female	118	180	11/1/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS42	Ivanpah 1	18	Unknown	53	109	12/17/2010	No	Pens	Pens	Pens	Pens	Pens
BS43	Ivanpah 1	18	Unknown	46	98	12/20/2010	No	Pens	Pens	Pens	Pens	Pens
BS44	Ivanpah 1		Female	194	220	2/16/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS45	Recipient Site		Female	223	225	3/5/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS46	Ivanpah 3		Female	209	225	3/5/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS47	Ivanpah 3		Female	242	237	3/8/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS48	Ivanpah 2	34	Unknown	86	109	3/9/2011	No	Pens	Pens	Pens	Pens	Pens
BS49	Ivanpah 3		Male	209	239	3/9/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS50	Ivanpah 3		Male	204	226	3/9/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS51	Ivanpah 3		Male	234	243	3/10/2011	Yes	Missing	Missing	Missing	Missing	Missing
BS52	Ivanpah 3		Male	176	226	3/10/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS53	Common East	18	Unknown	46	100	3/10/2011	No	Pens	Pens	Pens	Pens	Pens
BS54	Ivanpah 3	18	Unknown	47	47	3/12/2011	No	Missing	Missing	Missing	Missing	Missing
BS55	Recipient Site		Female	226	248	3/12/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS56	Recipient Site		Female	236	239	3/14/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS57	Ivanpah 3		Female	218	222	3/14/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS58	Ivanpah 3		Female	138	183	3/15/2011	Yes	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)
BS59	Ivanpah 3		Unknown	67	92	3/15/2011	No	Moved permanently to OSP (Sep 2012)				

BS60	Recipient Site		Female	173	182	3/15/2011	No	Deceased (Apr 2013)				
BS61	Ivanpah 2		Female	217	221	3/15/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS62	Ivanpah 3		Male	200	227	3/15/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS63	Ivanpah 3	204	Unknown	40	95	3/16/2011	No	Pens	Pens	Pens	Pens	Pens
BS64	Ivanpah 3		Female	199	206	3/16/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS65	Ivanpah 3		Female	210	213	3/16/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS66	Ivanpah 3		Female	190	227	3/16/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS67	Ivanpah 2	34	Unknown	71	122	3/16/2011	No	Pens	Pens	Pens	Pens	Pens
BS68	Ivanpah 2		Male	265	263	3/16/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS69	Ivanpah 3		Male	251	262	3/16/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS70	Recipient Site		Unknown	131	160	3/17/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS71	Ivanpah 3		Female	216	223	3/17/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS72	Ivanpah 2	34	Unknown	57	100	3/21/2011	No	Pens	Pens	Pens	Pens	Pens
BS73	Ivanpah 3		Unknown	47	47	3/22/2011	No	Deceased (Mar 2011)				
BS74	Recipient Site		Male	176	217	3/21/2011	Yes	Recipient	Recipient	Recipient	Missing	Missing
BS75	Recipient Site		Unknown	83	116	3/22/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS76	Recipient Site		Female	226	226	3/23/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS77	Ivanpah 2		Female	228	225	3/23/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS78	Recipient Site		Male	248	255	3/28/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS79	Ivanpah 2		Female	243	240	3/28/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS80	Ivanpah 3	19	Male	255	258	3/28/2011	Yes	Recipient	Recipient	Recipient	At Vet in San Diego	Pens
BS81	Ivanpah 3		Male	254	257	3/28/2011	No	Deceased (Sep 2012)				
BS82	Ivanpah 3	44	Male	217	236	3/28/2011	No	Pens	Pens	Pens	Pens	Pens
BS83	Ivanpah 3		Male	257	257	3/29/2011	No	Deceased (Apr 2011)				
BS84	Recipient Site		Male	237	246	3/30/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS85	Ivanpah 3		Unknown	136	153	3/30/2011	No	Deceased (Sep 2012)				
BS86	Ivanpah 3		Male	251	254	3/30/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS87	Ivanpah 3	213	Unknown	72	111	3/30/2011	No	Pens	Pens	Pens	Pens	Pens
BS88	Ivanpah 2		Male	272	269	3/30/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient

BS89	Recipient Site		Male	250	264	3/30/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS90	Ivanpah 3		Male	270	271	3/30/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS91	Ivanpah 3		FLAG	235	237	3/30/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS92	Ivanpah 2		Male	269	271	3/31/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS93	Recipient Site		Male	292	292	3/31/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS94	Ivanpah 3		Male	211	240	3/31/2011	Yes	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)
BS95	Ivanpah 3		Female	245	246	3/31/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS96	Recipient Site		Female	213	222	4/1/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS97	Ivanpah 3		Male	203	219	3/31/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS98	Ivanpah 3	60	Unknown	102	114	4/1/2011	No	Missing	Missing	Missing	Missing	Missing
BS99	Recipient Site		Male	157	202	4/2/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS100	Ivanpah 1		Male	249	254	10/12/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS101	Recipient Site		Male	273	277	10/14/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS102	Recipient Site		Male	270	270	10/14/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS103	Ivanpah 1		Male	246	252	10/15/2010	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS104	Recipient Site		Male	265	265	10/15/2010	No	Deceased (Oct 2010)				
BS105	Recipient Site		Male	253	262	4/2/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS106	Ivanpah 3	32	Unknown	68	105	4/2/2011	No	Pens	Pens	Pens	Pens	Pens
BS107	Recipient Site		Female	232	232	3/31/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS108	Recipient Site		Male	264	273	4/1/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS109	Recipient Site		Male	267	268	4/2/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS110	Ivanpah 3		Male	270	266	4/2/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS111	Recipient Site		Female	227	225	4/3/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient

BS112	Common West	18	Unknown	44	100	4/4/2011	No	Pens	Pens	Pens	Pens	Pens
BS113	Recipient Site		Male	230	248	4/4/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS114	Ivanpah 3		Male	272	274	4/5/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS115	Ivanpah 3	32	Unknown	64	102	4/5/2011	No	Pens	Pens	Pens	Pens	Pens
BS116	Ivanpah 3		Male	190	223	4/5/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS117	Ivanpah 2		Male	231	249	4/6/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS118	Recipient Site		Unknown	121	121	4/10/2011	No	Deceased (Apr 2011)				
BS119	Recipient Site		Unknown	57	57	4/10/2011	No	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT
BS120	Recipient Site		Male	263	267	4/11/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS121	Recipient Site		Male	246	250	4/12/2011	No	Deceased (Aug 2012)				
BS122	Ivanpah 3		Male	194	215	4/12/2011	No	Recipient	Recipient	Recipient	Recipient	Deceased
BS123	Ivanpah 1	32	Unknown	57	100	4/13/2011	No	Pens	Pens	Pens	Pens	Pens
BS124	Recipient Site		Male	235	242	4/13/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS125	Recipient Site		Male	252	251	4/14/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS126	Recipient Site		Female	232	239	4/14/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS127	Recipient Site		Female	248	249	4/13/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS128	Recipient Site		Male	207	236	4/15/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS129	Recipient Site		Male	295	291	4/16/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS130	Recipient Site		Male	245	265	4/17/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS131	Recipient Site		Male	274	274	4/18/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS132	Recipient Site		Female	205	222	4/19/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient

BS133	Recipient Site	Female	210	206	4/20/2011	No	Missing	Missing	Missing	Missing	Missing
BS134	Recipient Site	Female	228	227	4/21/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS135	Recipient Site	Male	196	225	4/21/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS136	Recipient Site	Female	228	232	4/21/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS137	Recipient Site	Female	227	233	4/21/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS138	Recipient Site	Female	216	221	4/23/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS139	Recipient Site	Male	266	270	4/23/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS140	Recipient Site	Female	203	207	4/23/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS141	Ivanpah 2	Female	200	222	4/24/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS142	Recipient Site	Male	244	257	4/24/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS143	Recipient Site	Male	219	233	4/24/2011	No	Recipient	Recipient	Recipient	Deceased	
BS144	Recipient Site	Female	204	207	4/24/2011	No	Recipient	Recipient	Recipient	Deceased	
BS145	Recipient Site	Male	284	284	4/24/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS146	Recipient Site	Female	213	214	4/24/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS147	Recipient Site	Male	270	265	4/25/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS148	Recipient Site	Male	261	266	4/24/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS149	Recipient Site	Male	253	262	4/25/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS150	Recipient Site	Female	208	208	4/24/2011	No	Recipient	Recipient	Deceased		
BS151	Recipient Site	Male	247	250	4/24/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient

BS153	Recipient Site	Female	237	233	4/26/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS154	Recipient Site	Female	233	240	4/26/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS155	Recipient Site	Male	264	258	4/26/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS156	Recipient Site	Female	198	232	4/26/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS157	Ivanpah 2	Female	142	197	4/24/2011	Yes	Missing	Missing	Missing	Recipient	Recipient
BS158	Recipient Site	Female	213	216	4/24/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS159	Recipient Site	Female	248	249	4/24/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS160	Recipient Site	Male	252	248	4/27/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS161	Recipient Site	Female	227	237	4/27/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS162	Recipient Site	Female	231	229	4/28/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS163	Recipient Site	Male	201	216	4/28/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS164	Recipient Site	Male	315	316	4/25/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS165	Recipient Site	Male	251	254	4/28/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS166	Recipient Site	Female	243	248	4/28/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS167	Recipient Site	Male	269	268	4/29/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS168	Recipient Site	Female	239	244	4/29/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS169	Recipient Site	Male	208	218	4/29/2011	No	Deceased (Aug 2012)				
BS170	Recipient Site	Female	213	224	4/29/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS171	Recipient Site	Male	254	258	4/28/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient

BS172	Recipient Site		Male	225	238	4/28/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS173	Ivanpah 2		Female	217	217	5/11/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS174	Ivanpah 1	32	Unknown	59	100	5/12/2011	No	Pens	Pens	Pens	Pens	Pens
BS175	Ivanpah 1	32	Unknown	62	112	5/12/2011	No	Pens	Pens	Pens	Pens	Pens
BS176	Ivanpah 3		Female	228	233	5/17/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS177	Ivanpah 2		Female	236	240	5/22/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS178	Ivanpah 1	205	Unknown	46	91	6/9/2011	No	Pens	Pens	Pens	Pens	Pens
BS179	Ivanpah 3		Male	122	190	6/11/2011	Yes	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)
BS180	Recipient Site		Unknown	94	107	7/12/2011	No	Deceased (Aug 2012)				
BS181	Ivanpah 3	32	Unknown	62	98	7/20/2011	No	Pens	Pens	Pens	Pens	Pens
BS182	Ivanpah 2	205	Unknown	59	105	7/27/2011	No	Pens	Pens	Pens	Pens	Pens
BS183	Ivanpah 2		Male	261	263	7/30/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS184	Ivanpah 3		Female	176	213	8/4/2011	Yes	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)
BS185	Ivanpah 3	205	Unknown	53	104	8/6/2011	No	Pens	Pens	Pens	Pens	Pens
BS186	Ivanpah 2		Unknown	137	178	8/7/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS187	Ivanpah 3		Female	190	202	8/8/2011	No	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Deceased	
BS188	Ivanpah 3	34	Unknown	75	109	8/12/2011	No	Pens	Pens	Pens	Pens	Pens
BS189	Ivanpah 3		Unknown	137	152	8/13/2011	Yes	Missing	Missing	Missing	Missing	Missing
BS190	Ivanpah 3	34	Unknown	102	109	8/15/2011	No	Pens	Pens	Pens	Pens	Pens
BS191	Ivanpah 2	32	Unknown	82	110	4/15/2011	No	Pens	Pens	Pens	Pens	Pens
BS192	Recipient Site		Female	148	182	8/23/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS193	Ivanpah 3	18	Unknown	70	98	4/15/2011	No	Pens	Pens	Pens	Pens	Pens
BS194	Quarantine Pens	207	Unknown	45	84	8/25/2011	No	Pens	Pens	Pens	Pens	Pens
BS195	Quarantine Pens	207	Unknown	43	85	8/26/2011	No	Pens	Pens	Pens	Pens	Pens
BS196	Quarantine Pens	207	Unknown	43	74	8/26/2011	No	Pens	Pens	Pens	Pens	Pens
BS197	Quarantine Pens	207	Unknown	45	84	8/26/2011	No	Pens	Pens	Pens	Pens	Pens

BS198	Quarantine Pens	207	Unknown	44	70	8/26/2011	No	Pens	Pens	Pens	Pens	Pens
BS199	Quarantine Pens	207	Unknown	43	71	8/26/2011	No	Pens	Pens	Pens	Pens	Pens
BS200	Quarantine Pens	216	Unknown	41	55	8/29/2011	No	Missing	Missing	Missing	Missing	Missing
BS201	Quarantine Pens	216	Unknown	43	87	8/29/2011	No	Pens	Pens	Pens	Pens	Pens
BS202	Quarantine Pens		Unknown	46	85	8/29/2011	No	Pens	Pens	Pens	Pens	At Vet in San Diego
BS203	Quarantine Pens	201	Unknown	44	76	8/29/2011	No	Pens	Pens	Pens	Pens	Pens
BS204	Quarantine Pens	201	Unknown	43	87	8/29/2011	No	Pens	Pens	Pens	Pens	Pens
BS205	Quarantine Pens	216	Unknown	41	86	8/29/2011	No	Pens	Pens	Pens	Pens	Pens
BS206	Quarantine Pens		Unknown	31	31	8/29/2011	No	Deceased (Aug 2011)				
BS207	Quarantine Pens	201	Unknown	43	71	8/30/2011	No	Pens	Pens	Pens	Pens	Pens
BS208	Quarantine Pens	215	Unknown	46	80	8/30/2011	No	Pens	Pens	Pens	Pens	Pens
BS209	Quarantine Pens	215	Unknown	40	88	8/30/2011	No	Pens	Pens	Pens	Pens	Pens
BS210	Quarantine Pens	217	Unknown	40	89	8/30/2011	No	Pens	Pens	Pens	Pens	Pens
BS211	Quarantine Pens	218	Unknown	44	52	8/31/2011	No	Missing	Missing	Missing	Missing	Missing
BS212	Quarantine Pens	215	Unknown	48	80	9/1/2011	No	Pens	Pens	Pens	Pens	Pens
BS213	Quarantine Pens	215	Unknown	46	88	9/1/2011	No	Pens	Pens	Pens	Pens	Pens
BS214	Quarantine Pens	215	Unknown	45	89	9/1/2011	No	Pens	Pens	Pens	Pens	Pens
BS215	Quarantine Pens	216	Unknown	44	86	9/1/2011	No	Pens	Pens	Pens	Pens	Pens

BS216	Quarantine Pens	217	Unknown	42	89	9/1/2011	No	Pens	Pens	Pens	Pens	Pens
BS217	Ivanpah 3		Male	253	257	9/3/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS218	Quarantine Pens		Unknown	38	38	9/3/2011	No	Deceased (Sep 2011)				
BS219	Quarantine Pens	216	Unknown	43	81	9/3/2011	No	Pens	Pens	Pens	Pens	Pens
BS220	Ivanpah 3		Male	268	266	9/5/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS221	Quarantine Pens	201	Unknown	48	82	9/5/2011	No	Pens	Pens	Pens	Pens	Pens
BS222	Quarantine Pens		Unknown	44	45	9/5/2011	No	Moved permanently to MNP (Apr 2012)				
BS223	Ivanpah 3		Male	197	216	9/6/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS224	Quarantine Pens		Unknown	43	46	9/6/2011	No	Moved permanently to MNP (Apr 2012)				
BS225	Quarantine Pens		Unknown	43	46	9/6/2011	No	Moved permanently to MNP (Apr 2012)				
BS226	Quarantine Pens	201	Unknown	46	90	9/6/2011	No	Pens	Pens	Pens	Pens	Pens
BS227	Quarantine Pens	218	Unknown	44	105	9/7/2011	No	Pens	Pens	Pens	Pens	Pens
BS228	Quarantine Pens		Unknown	46	47	9/7/2011	No	Moved permanently to MNP (Apr 2012)				
BS229	Quarantine Pens		Unknown	41	44	9/7/2011	No	Moved permanently to MNP (Apr 2012)				
BS230	Recipient Site		Male	186	212	9/7/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS231	Quarantine Pens	212	Unknown	43	87	9/7/2011	No	Pens	Pens	Pens	Pens	Pens
BS232	Quarantine Pens		Unknown	42	42	9/7/2011	No	Deceased (Sep 2011)				
BS233	Quarantine Pens	212	Unknown	44	85	9/7/2011	No	Pens	Pens	Pens	Pens	Pens
BS234	Quarantine Pens		Unknown	42	44	9/8/2011	No	Moved permanently to MNP (Apr 2012)				
BS235	Quarantine Pens		Unknown	44	47	9/8/2011	No	Moved permanently to MNP (Apr 2012)				

BS236	Quarantine Pens		Unknown	42	47	9/8/2011	No	Moved permanently to MNP (Apr 2012)				
BS237	Quarantine Pens		Unknown	45	45	9/9/2011	No	Moved permanently to MNP (Apr 2012)				
BS238	Quarantine Pens		Unknown	41	44	9/9/2011	No	Moved permanently to MNP (Apr 2012)				
BS239	Recipient Site		Female	224	229	9/8/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS240	Quarantine Pens		Unknown	44	46	9/9/2011	No	Moved permanently to MNP (Apr 2012)				
BS241	Quarantine Pens	212	Unknown	41	83	9/11/2011	No	Pens	Pens	Pens	Pens	Pens
BS242	Recipient Site		Male	210	238	9/9/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS243	Recipient Site		Unknown	134	135	9/9/2011	No	Missing	Missing	Missing	Missing	Missing
BS244	Ivanpah 2	223	Unknown	55	79	9/10/2011	No	Pens	Pens	Pens	Pens	Pens
BS245	Recipient Site		Male	281	283	9/10/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS246	Ivanpah 3		Unknown	162	176	9/10/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS247	Ivanpah 2	223	Unknown	61	104	9/10/2011	No	Pens	Pens	Pens	Pens	Pens
BS248	Recipient Site		Male	260	268	9/10/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS249	Quarantine Pens	201	Unknown	45	83	9/11/2011	No	Pens	Pens	Pens	Pens	Pens
BS250	Quarantine Pens		Unknown	48	48	9/12/2011	No	Moved permanently to MNP (Apr 2012)				
BS251	Quarantine Pens	209	Unknown	46	80	9/12/2011	No	Pens	Pens	Pens	Pens	Pens
BS252	Ivanpah 3	223	Unknown	79	111	9/12/2011	No	Pens	Pens	Pens	Pens	Pens
BS253	Quarantine Pens	211	Unknown	44	88	9/13/2011	No	Pens	Pens	Pens	Pens	Pens
BS254	Quarantine Pens	211	Unknown	43	81	9/13/2011	No	Pens	Pens	Pens	Pens	Pens
BS255	Quarantine Pens	211	Unknown	43	83	9/13/2011	No	Pens	Pens	Pens	Pens	Pens
BS256	Ivanpah 3	223	Unknown	68	92	9/13/2011	No	Pens	Pens	Pens	Pens	Pens

BS257	Ivanpah 3		Unknown	140	165	9/14/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS258	Ivanpah 2		Unknown	81	80	9/13/2011	No	Deceased (May 2013)				
BS259	Ivanpah 3	222	Unknown	114	127	9/14/2011	No	Pens	Pens	Pens	Pens	Pens
BS260	Ivanpah 3		Unknown	136	136	9/14/2011	No	Deceased (Aug 2012)				
BS261	Ivanpah 3		Unknown	134	146	9/14/2011	Yes	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)
BS262	Quarantine Pens		Unknown	42	44	9/16/2011	No	Moved permanently to MNP (Apr 2012)				
BS263	Ivanpah 2	221	Unknown	74	92	9/16/2011	No	Pens	Pens	Pens	Pens	Pens
BS264	Ivanpah 3		Unknown	50	50	9/17/2011	No	Deceased (Sep 2011)				
BS265	Ivanpah 3		Unknown	126	151	9/18/2011	Yes	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)
BS266	Ivanpah 2		Male	178	201	9/18/2011	No	Deceased (Sep 2013)				
BS267	Ivanpah 3	220	Unknown	82	118	9/18/2011	No	Pens	Pens	Pens	Pens	Pens
BS268	Ivanpah 3	219	Unknown	66	97	9/18/2011	No	Pens	Pens	Pens	Pens	Pens
BS269	Ivanpah 3	220	Unknown	93	114	9/18/2011	No	Pens	Pens	Pens	Pens	Pens
BS270	Ivanpah 3	17	Unknown	120	147	9/18/2011	No	Pens	Pens	Pens	Pens	Pens
BS271	Ivanpah 3		Unknown	59	77	9/19/2011	No	Deceased (May 2013)				
BS272	Ivanpah 3	222	Unknown	89	112	9/20/2011	No	Pens	Pens	Pens	Pens	Pens
BS273	Ivanpah 3		Unknown	104	104	9/20/2011	No	Deceased (Oct 2012)				
BS274	Ivanpah 3	210	Unknown	45	86	9/20/2011	No	Pens	Pens	Pens	Pens	Pens
BS275	Ivanpah 3		Female	205	227	9/20/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS276	Ivanpah 3	221	Unknown	69	93	9/20/2011	No	Pens	Pens	Pens	Pens	Pens
BS277	Common East	210	Unknown	46	79	9/20/2011	No	Pens	Pens	Pens	Pens	Pens
BS278	Quarantine Pens		Unknown	42	42	9/21/2011	No	Moved permanently to MNP (Apr 2012)				
BS279	Quarantine Pens	209	Unknown	48	77	9/21/2011	No	Pens	Pens	Pens	Pens	Pens
BS280	Ivanpah 3	219	Unknown	85	113	9/21/2011	No	Pens	Pens	Pens	Pens	Pens
BS281	Quarantine Pens	209	Unknown	48	81	9/21/2011	No	Pens	Pens	Pens	Pens	Pens
BS282	Ivanpah 3	224	Unknown	90	121	9/21/2011	No	Pens	Pens	Pens	Pens	Pens
BS283	Ivanpah 2	214	Unknown	100	134	9/21/2011	No	Pens	Pens	Pens	Pens	Pens
BS284	Quarantine Pens	209	Unknown	43	80	9/22/2011	No	Pens	Pens	Pens	Pens	Pens
BS285	Ivanpah 3	204	Unknown	54	93	9/22/2011	No	Pens	Pens	Pens	Pens	Pens

BS286	Ivanpah 3	204	Unknown	63	95	9/22/2011	No	Pens	Pens	Pens	Pens	Pens
BS287	Ivanpah 2	214	Unknown	111	150	9/22/2011	No	Pens	Pens	Pens	Pens	Pens
BS288	Ivanpah 2	204	Unknown	58	83	9/23/2011	No	Pens	Pens	Pens	Pens	Pens
BS289	Ivanpah 3		Female	214	234	9/22/2011	Yes	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)
BS290	Ivanpah 3		Female	170	202	9/25/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS291	Ivanpah 3		FLAG	157	192	9/23/2011	Yes	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)
BS292	Ivanpah 2	222	Unknown	103	119	9/24/2011	No	Pens	Pens	Pens	Pens	Pens
BS293	Ivanpah 3		Unknown	129	151	9/24/2011	Yes	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)
BS294	Ivanpah 3		Unknown	125	141	9/24/2011	Yes	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)
BS295	Ivanpah 2	219	Unknown	60	90	9/26/2011	No	Pens	Pens	Pens	Pens	Pens
BS296	Ivanpah 3	221	Unknown	70	93	9/26/2011	No	Pens	Pens	Pens	Pens	Pens
BS297	Quarantine Pens	209	Unknown	43	80	9/27/2011	No	Pens	Pens	Pens	Pens	Pens
BS298	Ivanpah 3	221	Unknown	62	91	9/27/2011	No	Pens	Pens	Pens	Pens	Pens
BS299	Quarantine Pens	209	Unknown	47	84	9/29/2011	No	Pens	Pens	Pens	Pens	Pens
BS300	Ivanpah 3	210	Unknown	47	90	9/29/2011	No	Pens	Pens	Pens	Pens	Pens
BS301	Ivanpah 3	210	Unknown	47	47	9/29/2011	No	Missing	Missing	Missing	Missing	Missing
BS302	Ivanpah 3	204	Unknown	62	84	9/30/2011	No	Pens	Pens	Pens	Pens	Pens
BS303	Ivanpah 3	220	Unknown	76	111	9/30/2011	No	Pens	Pens	Pens	Pens	Pens
BS304	Ivanpah 3	221	Unknown	72	88	10/2/2011	No	Pens	Pens	Pens	Pens	Pens
BS305	Ivanpah 3		Female	224	229	10/3/2011	Yes	Missing	Missing	Missing	Missing	Missing
BS306	Recipient Site		Unknown	133	145	10/3/2011	No	Deceased (May 2013)				
BS307	Ivanpah 3	213	Unknown	64	96	10/3/2011	No	Pens	Pens	Pens	Pens	Pens
BS308	Ivanpah 3	213	Unknown	62	95	10/4/2011	No	Pens	Pens	Pens	Pens	Pens
BS309	Ivanpah 1		Unknown	60	60	10/4/2011	No	Deceased (Oct 2011)				
BS310	Ivanpah 3		Male	277	280	10/4/2011	Yes	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)
BS311	Quarantine Pens		Unknown	38	38	9/4/2011	No	Deceased (Oct 2011)				
BS312	Ivanpah 1		Unknown	65	65	10/6/2011	No	Deceased (Oct 2011)				

BS313	Recipient Site	Unknown	156	164	10/7/2011	No	Deceased (Oct 2012)				
BS314	Recipient Site	Male	209	223	10/11/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS315	Recipient Site	Male	209	220	10/14/2011	No	Deceased (Sep 2012)				
BS316	Recipient Site	Male	280	281	10/13/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS317	Recipient Site	Male	268	270	10/14/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS318	Recipient Site	Male	282	282	10/15/2011	No	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT
BS319	Recipient Site	Male	277	277	10/15/2011	No	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT
BS320	Recipient Site	Female	222	227	10/16/2011	Yes	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)	Recipient (I-15 Pen)
BS321	Recipient Site	Female	235	235	10/15/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS322	Recipient Site	Female	220	220	10/15/2011	No	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT
BS323	Recipient Site	Female	219	223	10/15/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS324	Recipient Site	Female	207	209	10/15/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS325	Recipient Site	Male	267	267	10/15/2011	No	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT
BS326	Recipient Site	Unknown	97	97	10/15/2011	No	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT
BS327	Recipient Site	Female	219	239	10/15/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS328	Recipient Site	Male	251	256	10/16/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS329	Recipient Site	Male	265	265	10/16/2011	No	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT
BS330	Recipient Site	Male	251	251	10/16/2011	No	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT

BS331	Recipient Site		Male	260	260	10/16/2011	No	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT
BS332	Recipient Site		Male	300	300	10/16/2011	No	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT	Recipient-NT
BS333	Ivanpah 1	210	Unknown	43	85	10/17/2011	No	Pens	Pens	Pens	Pens	Pens
BS334	Recipient Site		Female	225	224	10/17/2011	Yes	Missing	Missing	Missing	Missing	Missing
BS335	Recipient Site		Male	271	272	10/17/2011	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS336	Recipient Site		Unknown	104	138	10/19/2011	No	Recipient	Recipient	Missing	Missing	Missing
BS337	Common East		Unknown	37	37	11/28/2011	No	Deceased (Nov 2011)				
BS338	Ivanpah 2	220	Unknown	62	97	3/5/2012	No	Pens	Pens	Pens	Pens	Pens
BS339	Recipient Site		Male	167	208	3/15/2012	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS340	Ivanpah 2		Unknown	55	55	3/21/2012	No	Deceased (Mar 2012)				
BS341	Ivanpah 1	213	Unknown	70	91	4/3/2012	No	Pens	Pens	Pens	Pens	Pens
BS342	Recipient Site		Unknown	68	96	4/9/2012	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS343	Ivanpah 1		Unknown	59	78	6/2/2012	No	Deceased (Jul 2013)				
BS344	Recipient Site		Unknown	60	74	7/30/2012	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS345	Recipient Site		Unknown	105	119	8/11/2012	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS346	Recipient Site		Unknown	73	92	8/30/2012	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS347	Ivanpah 3	208	Unknown	72	87	9/7/2012	No	Pens	Pens	Pens	Pens	Pens
BS348	Ivanpah 2	208	Unknown	74	92	9/10/2012	No	Pens	Pens	Pens	Pens	Pens
BS349	Recipient Site		Unknown	81	82	9/12/2012	No	Deceased (Jul 2013)				
BS350	Ivanpah 3	206	Unknown	45	73	9/25/2012	No	Pens	Pens	Pens	Pens	Pens
BS351	Ivanpah 3	224	Unknown	93	117	10/8/2012	No	Pens	Pens	Pens	Pens	Pens
BS352	Ivanpah 3	224	Unknown	101	120	10/17/2012	No	Pens	Pens	Pens	Pens	Pens
BS353	Recipient Site		Unknown	71	72	3/22/2013	Yes	Missing	Missing	Missing	Missing	Missing

BS354	Recipient Site		Unknown	82	101	3/26/2013	Yes	Recipient	Recipient	Recipient	Recipient	Recipient
BS355	Ivanpah 1	206	Unknown	43	74	3/27/2013	No	Pens	Pens	Pens	Pens	Pens
BS356	Recipient Site		Unknown	78	79	4/14/2013	No	Deceased (Aug 2013)				
BS357	Ivanpah 3		Unknown	89	89	4/23/2014	No				Recipient-NT	Recipient-NT
BS500	Control Site		Female	243	243	3/30/2011	Yes	Control	Control	Control	Control	Control
BS501	Control Site		Female	189	193	4/1/2011	Yes	Control	Control	Control	Control	Control
BS502	Control Site		Female	217	216	4/1/2011	Yes	Control	Control	Control	Control	Control
BS503	Control Site		Male	238	241	4/1/2011	Yes	Control	Control	Control	Control	Control
BS504	Control Site		Female	198	217	4/2/2011	Yes	Control	Control	Control	Control	Control
BS505	Control Site		Male	213	226	4/1/2011	No	Deceased (Sep 2013)				
BS506	Control Site		Male	252	256	4/1/2011	Yes	Control	Control	Control	Control	Control
BS507	Control Site	53	Female	221	228	4/1/2011	No	Pens	Pens	Pens	Pens	Pens
BS508	Control Site		Male	237	244	4/1/2011	Yes	Control	Control	Control	Control	Control
BS509	Control Site		Male	169	217	4/2/2011	Yes	Control	Control	Control	Control	Control
BS510	Control Site		Male	256	269	4/1/2011	Yes	Control	Control	Control	Control	Control
BS511	Control Site		Female	221	224	4/1/2011	Yes	Control	Control	Control	Control	Control
BS512	Control Site		Male	272	279	4/1/2011	Yes	Control	Control	Control	Control	Control
BS513	Control Site		Female	225	229	4/1/2011	Yes	Control	Control	Control	Control	Control
BS514	Control Site		Female	158	207	4/1/2011	Yes	Control	Control	Control	Control	Control
BS515	Control Site		Female	213	213	4/1/2011	Yes	Control	Control	Control	Control	Control
BS516	Control Site		Unknown	48	48	4/2/2011	No	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT
BS517	Control Site		Male	220	237	4/1/2011	Yes	Control	Control	Control	Control	Control
BS518	Control Site		Unknown	122	144	4/1/2011	No	Missing	Missing	Missing	Missing	Missing
BS519	Control Site		Female	206	206	4/1/2011	Yes	Control	Control	Control	Control	Control
BS520	Control Site		Unknown	130	152	4/1/2011	No	Deceased (Jun 2013)				
BS521	Control Site		Unknown	137	167	4/2/2011	Yes	Control	Control	Control	Control	Control
BS522	Control Site		Male	269	263	4/1/2011	Yes	Control	Control	Control	Control	Control
BS523	Control Site		Female	225	229	4/2/2011	Yes	Control	Control	Control	Control	Control
BS524	Control Site		Male	257	256	4/1/2011	Yes	Control	Control	Control	Control	Control
BS525	Control Site		Unknown	49	49	4/2/2011	No	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT
BS526	Control Site		Unknown	88	88	4/2/2011	No	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT
BS527	Control Site		Female	202	216	4/1/2011	Yes	Missing	Missing	Missing	Missing	Missing
BS528	Control Site		Unknown	65	65	4/2/2011	No	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT
BS529	Control Site		Male	233	236	4/2/2011	Yes	Control	Control	Control	Control	Control
BS530	Control Site		Male	205	227	4/1/2011	Yes	Control	Control	Control	Control	Control

BS531	Control Site	Female	203	204	4/1/2011	Yes	Control	Control	Control	Control	Control
BS532	Control Site	Female	203	207	4/1/2011	No	Control	Control	Control	Deceased	
BS533	Control Site	Female	200	207	4/2/2011	Yes	Control	Control	Control	Control	Control
BS534	Control Site	Male	226	226	4/2/2011	Yes	Control	Control	Control	Control	Control
BS535	Control Site	Male	238	240	4/2/2011	Yes	Control	Control	Control	Control	Control
BS536	Control Site	Unknown	122	148	4/2/2011	Yes	Control	Control	Control	Control	Control
BS537	Control Site	Male	236	242	4/3/2011	Yes	Control	Control	Control	Control	Control
BS538	Control Site	Female	216	222	4/3/2011	Yes	Control	Control	Control	Control	Control
BS539	Control Site	Male	240	247	10/8/2011	Yes	Control	Control	Control	Control	Control
BS540	Control Site	Male	198	210	10/8/2011	Yes	Control	Control	Control	Missing	Missing
BS541	Control Site	Male	249	257	10/8/2011	Yes	Control	Control	Control	Control	Control
BS542	Control Site	Male	270	269	10/8/2011	Yes	Control	Control	Control	Control	Control
BS543	Control Site	Female	241	245	10/8/2011	Yes	Control	Control	Control	Control	Control
BS544	Control Site	Male	214	212	10/9/2011	No	Deceased (Sep 2012)				
BS545	Control Site	Female	197	205	10/8/2011	Yes	Control	Control	Control	Control	Control
BS546	Control Site	Male	218	223	10/9/2011	Yes	Control	Control	Control	Control	Control
BS547	Control Site	Female	225	225	10/9/2011	No	Control-NT	Control-NT	Control-NT	Control-NT	Control-NT
BS548	Control Site	Unknown	86	101	10/9/2011	Yes	Control	Control	Control	Control	Control
BS549	Control Site	Male	217	224	10/9/2011	Yes	Control	Control	Control	Control	Control
BS550	Control Site	Male	278	275	10/9/2011	Yes	Control	Control	Control	Control	Control
BS551	Control Site	Male	266	272	10/9/2011	Yes	Control	Control	Control	Control	Control
BS552	Control Site	Male	285	283	10/9/2011	Yes	Control	Control	Control	Control	Control
BS553	Control Site	Male	256	260	10/9/2011	Yes	Control	Control	Control	Control	Control
BS554	Control Site	Female	216	220	10/10/2011	Yes	Control	Control	Control	Control	Control
BS555	Control Site	Female	222	220	10/10/2011	Yes	Control	Control	Control	Control	Control
BS556	Control Site	Female	157	190	10/9/2011	Yes	Control	Control	Control	Control	Control
BS557	Control Site	Unknown	133	132	10/11/2011	Yes	Missing	Missing	Missing	Missing	Missing
BS558	Control Site	Male	246	244	10/11/2011	Yes	Control	Control	Control	Control	Control
BS559	Control Site	Female	232	277	10/10/2011	Yes	Control	Control	Control	Control	Control
BS560	Control Site	Female	228	232	10/11/2011	Yes	Control	Control	Control	Control	Control
BS561	Control Site	Unknown	160	172	10/11/2011	Yes	Control	Control	Control	Control	Control
BS562	Control Site	Unknown	118	145	10/11/2011	Yes	Control	Control	Control	Control	Control
BS563	Control Site	Male	267	271	10/11/2011	Yes	Control	Control	Control	Control	Control
BS564	Control Site	Male	265	265	10/11/2011	Yes	Control	Control	Control	Control	Control
BS565	Control Site	Male	249	254	10/11/2011	Yes	Control	Control	Control	Control	Control
BS566	Control Site	Female	211	232	10/11/2011	Yes	Control	Control	Control	Control	Control
BS567	Control Site	Male	266	268	10/11/2011	Yes	Control	Control	Control	Control	Control

BS568	Control Site	Female	186	197	10/11/2011	Yes	Control	Control	Control	Control	Control
BS569	Control Site	Female	235	236	10/11/2011	Yes	Control	Control	Control	Control	Control
BS570	Control Site	Male	260	258	10/11/2011	Yes	Control	Control	Control	Control	Control
BS571	Control Site	Male	256	256	10/11/2011	Yes	Control	Control	Control	Control	Control
BS572	Control Site	Female	236	234	10/11/2011	Yes	Control	Control	Control	Control	Control
BS573	Control Site	Male	248	250	10/11/2011	Yes	Control	Control	Control	Control	Control
BS574	Control Site	Unknown	167	171	10/12/2011	No	Deceased (Jul 2013)				
BS575	Control Site	Male	260	261	10/12/2011	Yes	Control	Control	Control	Control	Control
BS576	Control Site	Female	242	242	10/12/2011	Yes	Control	Control	Control	Control	Control
BS577	Control Site	Female	220	227	10/12/2011	Yes	Control	Control	Control	Control	Control
BS578	Control Site	Male	268	269	10/12/2011	Yes	Control	Control	Control	Control	Control
BS579	Control Site	Male	217	219	10/12/2011	Yes	Control	Control	Control	Control	Control
BS580	Control Site	Unknown	133	163	10/12/2011	Yes	Control	Control	Control	Control	Control
BS581	Control Site	Unknown	100	101	10/12/2011	No	Missing	Missing	Missing	Missing	Missing
BS582	Control Site	Female	226	229	10/12/2011	Yes	Control	Control	Control	Control	Control
BS583	Control Site	Female	215	214	10/12/2011	Yes	Control	Control	Control	Control	Control
BS584	Control Site	Unknown	133	134	10/13/2011	No	Deceased (Aug 2012)				
BS585	Control Site	Unknown	80	78	10/13/2011	Yes	Missing	Missing	Missing	Missing	Missing
BS586	Control Site	Male	274	272	10/13/2011	Yes	Control	Control	Control	Control	Control
BS587	Control Site	Unknown	107	129	10/13/2011	Yes	Control	Control	Control	Control	Control
BS588	Control Site	Unknown	138	170	10/13/2011	Yes	Control	Control	Control	Control	Control
BS589	Control Site	Male	237	240	10/13/2011	Yes	Control	Control	Control	Control	Control
BS590	Control Site	Male	272	275	10/13/2011	Yes	Control	Control	Control	Control	Control
BS591	Control Site	Female	216	223	10/13/2011	Yes	Control	Control	Control	Control	Control
BS592	Control Site	Unknown	115	153	10/13/2011	Yes	Control	Control	Control	Control	Control
BS593	Control Site	Female	218	220	10/13/2011	Yes	Control	Control	Control	Control	Control
BS594	Control Site	Male	182	189	10/13/2011	Yes	Missing	Control	Control	Control	Control
BS595	Control Site	Female	216	222	10/13/2011	Yes	Control	Control	Control	Control	Control
BS596	Control Site	Female	235	235	10/14/2011	Yes	Control	Control	Control	Control	Control
BS597	Control Site	Male	268	274	10/13/2011	Yes	Control	Control	Control	Control	Control
BS598	Control Site	Female	234	235	10/14/2011	Yes	Control	Control	Control	Control	Control
BS599	Control Site	Female	215	218	10/13/2011	Yes	Control	Control	Control	Control	Control
BS600	Control Site	Male	254	256	10/13/2011	Yes	Control	Control	Control	Control	Control
BS601	Control Site	Unknown	90	91	10/14/2011	No	Deceased (May 2012)				
BS602	Control Site	Male	207	213	10/14/2011	Yes	Control	Control	Control	Control	Control
BS603	Control Site	Unknown	109	108	10/14/2011	No	Deceased (May 2012)				

BS604	Control Site	Female	189	196	10/14/2011	Yes	Control	Control	Control	Control	Control
BS605	Control Site	Female	219	224	10/14/2011	Yes	Control	Control	Control	Control	Control
BS606	Control Site	Male	198	214	10/14/2011	Yes	Control	Control	Control	Control	Control
BS607	Control Site	Unknown	88	110	10/14/2011	Yes	Control	Control	Control	Control	Control
BS608	Control Site	Male	243	241	10/14/2011	Yes	Control	Control	Control	Control	Control
BS609	Control Site	Male	241	246	10/14/2011	Yes	Control	Control	Control	Control	Control
BS610	Control Site	Female	152	184	10/14/2011	Yes	Control	Control	Control	Control	Control
BS611	Control Site	Unknown	104	126	10/15/2011	Yes	Control	Control	Control	Control	Control
BS612	Control Site	Unknown	81	111	10/15/2011	Yes	Control	Control	Control	Control	Control
BS613	Control Site	Female	224	222	10/15/2011	Yes	Control	Control	Control	Control	Control
BS614	Control Site	Male	271	271	10/15/2011	Yes	Control	Control	Control	Control	Control
BS615	Control Site	Male	284	283	10/15/2011	Yes	Control	Control	Control	Control	Control
BS616	Control Site	Female	240	247	10/15/2011	Yes	Control	Control	Control	Control	Control
BS617	Control Site	Male	179	207	10/15/2011	Yes	Control	Control	Control	Control	Control
BS618	Control Site	Male	274	272	10/15/2011	Yes	Control	Control	Control	Control	Control
BS619	Control Site	Female	221	220	10/9/2011	Yes	Control	Control	Control	Control	Control
BS620	Control Site	Female	187	194	10/15/2011	Yes	Control	Control	Control	Control	Control
BS621	Control Site	Female	199	202	10/15/2011	Yes	Control	Control	Control	Control	Control
BS622	Control Site	Unknown	76	96	10/15/2011	Yes	Control	Control	Missing	Missing	Missing
BS623	Control Site	Female	223	224	10/15/2011	Yes	Control	Control	Control	Control	Control
BS624	Control Site	Unknown	99	122	10/15/2011	Yes	Control	Control	Control	Control	Control
BS625	Control Site	Male	272	273	10/15/2011	Yes	Control	Control	Control	Control	Control
BS626	Control Site	Unknown	173	173	10/16/2011	Yes	Missing	Missing	Missing	Missing	Missing
BS627	Control Site	Unknown	61	70	10/16/2011	Yes	Missing	Missing	Missing	Missing	Missing
BS628	Control Site	Male	226	232	10/16/2011	Yes	Control	Control	Control	Control	Control
BS629	Control Site	Unknown	150	179	10/16/2011	Yes	Control	Control	Control	Control	Control
BS630	Control Site	Male	143	192	10/16/2011	Yes	Control	Control	Control	Control	Control
BS631	Control Site	Female	222	224	10/16/2011	Yes	Control	Control	Control	Control	Control
BS632	Control Site	Unknown	93	129	10/16/2011	Yes	Control	Control	Control	Control	Control
BS633	Control Site	Unknown	67	97	10/16/2011	Yes	Control	Control	Control	Control	Control
BS634	Control Site	Unknown	130	162	10/16/2011	Yes	Control	Control	Control	Control	Control
BS635	Control Site	Female	159	190	10/16/2011	Yes	Control	Control	Control	Control	Control
BS636	Control Site	Female	271	270	10/16/2011	Yes	Control	Control	Control	Control	Control
BS637	Control Site	Unknown	121	129	10/16/2011	No	Deceased (Mar 2012)				
BS638	Control Site	Male	260	259	10/16/2011	Yes	Control	Control	Control	Control	Control
BS639	Control Site	Male	210	221	10/16/2011	Yes	Control	Control	Control	Control	Control
BS640	Control Site	Unknown	76	91	10/17/2011	Yes	Control	Control	Control	Control	Control

BS641	Control Site	Male	232	236	10/16/2011	Yes	Control	Control	Control	Control	Control
BS642	Control Site	Female	200	195	10/17/2011	Yes	Control	Control	Control	Control	Control
BS643	Control Site	Male	221	228	10/17/2011	Yes	Control	Control	Control	Control	Control
BS644	Control Site	Male	265	267	10/17/2011	Yes	Control	Control	Control	Control	Control
BS645	Control Site	Male	269	270	10/17/2011	Yes	Control	Control	Control	Control	Control
BS646	Control Site	Female	227	227	10/17/2011	Yes	Control	Control	Control	Control	Control
BS647	Control Site	Unknown	93	108	10/17/2011	Yes	Control	Control	Control	Control	Control
BS648	Control Site	Male	261	261	10/17/2011	Yes	Control	Control	Control	Control	Control
BS649	Control Site	Female	246	249	10/17/2011	Yes	Control	Control	Control	Control	Control
BS650	Control Site	Male	264	270	10/17/2011	Yes	Control	Control	Control	Control	Control
BS651	Control Site	Male	247	251	10/17/2011	Yes	Control	Control	Control	Control	Control
BS652	Control Site	Male	234	237	10/17/2011	No	Control	Control	Control	Control	Deceased
BS653	Control Site	Male	196	212	10/17/2011	Yes	Control	Control	Control	Control	Control
BS654	Control Site	Unknown	152	178	10/15/2011	Yes	Control	Control	Control	Control	Control
BS655	Control Site	Unknown	88	94	10/18/2011	No	Deceased (Sep 2012)				

Table 2. 2014 ISEGS Nesting Bird Master List through May 31, 2014.

NEST ID	SPECIES	LOCATION	Easting	Northing	ACTIVE	INACTIVE
001CORA	Common Raven	Ivan 1	640388	3933513	3/12/2014	3/25/2014
002SAPH	Say's Phoebe	Common East	639787	3934565	3/23/2014	4/2/2014
003HOLA	Horned Lark	Ivan 2	637819	3935267	3/27/2014	4/12/2014
004CORA	Common Raven	Ivan 1	640388	3933513	4/6/2014	4/21/2014
005SAPH	Say's Phoebe	Common East	639788	3934567	4/27/2014	
006HOLA	Horned Lark	Ivan 2	639071	3935968	4/30/2014	5/20/2014

007HOLA	Horned Lark	Ivan 2	638568	3936410	5/7/2014	5/26/2014
008BTSP	Black-throated Sparrow	Ivan 2	638204	3935088	5/9/2014	5/12/2014

Table 3. 2014 ISEGS Nesting Raptor Master List though May 31, 2014.

NEST ID	SPECIES	LOCATION	Easting	Northing	ACTIVE	INACTIVE
RTHA-01	Red-tailed Hawk	Recipient	636333	3931694	3/5/2014	
RTHA-02	Red-tailed Hawk	Recipient	633282	3940137	3/13/2014	
RTHA-03	Red-tailed Hawk	Recipient	635377	3940139	3/20/2014	5/26/2014
RTHA-04	Red-tailed Hawk	Recipient	636997	3932343	4/1/2014	
RTHA-05	Red-tailed Hawk	Recipient	640738	3936090	4/1/2014	
RTHA-06	Red-tailed Hawk	Recipient	641612	3941524	5/1/2014	
GOEA-01	Golden Eagle	Recipient	637600	3942700	3/11/2014	4/1/2014

Table 4. 2014 ISEGS Nesting Raven Master List through May 31, 2014.

NEST ID	SPECIES	LOCATION	Easting	Northing	ACTIVE	INACTIVE
CORA-01	Common Raven	Recipient	642944	3935104	3/6/2014	5/13/2014
CORA-02	Common Raven	Recipient	644529	3939869	3/13/2014	5/26/2014
CORA-03	Common Raven	Recipient	642509	3941738	3/17/2014	5/20/2014
CORA-04	Common Raven	Recipient	639794	3935159	3/23/2014	5/26/2014
CORA-05	Common Raven	Recipient	642357	3937679	4/1/2014	

Table 5. ISEGS Avian Mortality and Injury Between May 1, 2014 - May 31, 2014.

Table 5. ISEGS Avian Mortality and Injury Between May 1, 2014 - May 31, 2014

Salvage Permit # MB12386B-0

Discovery Date *	Collection Date *	Specimen Number *	Species Common Name (AOU English Name) *	Scientific Name (include subspecies, if known) *	SPITS Code	Age	Sex	How found? (Carcass survey, incidental detection) *	Condition of Bird/Carcass (or if Active Nest Relocation, please indicate that here)*	Estimated time dead/injured before discovery	Description of Carcass/Injury (noticeable injuries, entire, partial, feather, scavanged, disarticulation, emaciated)*	Suspected cause of injury/mortality (field determination)*	Level of certainty for suspected cause * Observed - 100% Valid - >90% certainty Probable - >50% certainty Possible - <50%, but > 0% certainty Not Applicable - 0% certainty or unknown	Disposition (Where did carcass end up?)*	Injured animal outcome? (Died, euthanized, released, rehab center, zoo)	Where found: GPS Latitude (decimal degrees)*	Where found: GPS Longitude (decimal degrees)*	Project feature where injured bird/carcass was found*	Project feature where injured bird/carcass was found* (use if more than one feature found)	Distance to Project Feature (feet) *
5/1/2014	5/1/2014	2014_195_ISEGS	Mourning Dove	Zenaida macroura	MODO	Adult	Unknown	Incidental	Dead, semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. No external signs of trauma.	Unknown	Not Applicable (0% or Unknown)	Freezer on site		638382	3936008	heliostat		8
5/1/2014	5/1/2014	2014_196_ISEGS	Mourning Dove	Zenaida macroura	MODO	Unknown	Unknown	Carcass Survey	Feather spot	3 weeks	Feather spot of flight and body feathers	Unknown	Not Applicable (0% or Unknown)	Freezer on site		637882	3935361	heliostat		12
5/2/2014	5/2/2014	2014_197_ISEGS	Yellow-rumped Warbler	Setophaga coronata	YRWA	Adult	Male	Incidental	Dead, fresh (eyes moist)	0-8 hours	Singed carcass; nape, rump, tail and right wing feathers singed.	Scorched or singed	Observed or Confirmed (100%)	Freezer on site		638592	3935873	Solar Concentrating Tower		60
5/2/2014	5/2/2014	2014_198_ISEGS	Cliff Swallow	Petrochelidon pyrrhonota	CLSW	Adult	Unknown	Incidental	Dead, fresh (eyes moist)	8-24 hours	Singed carcass; entire body scorched, flight feathers, back, rump, head	Scorched or singed	Valid (>90%)	Freezer on site		638567	3935884	Solar Concentrating Tower		150
5/2/2014	5/2/2014	2014_199_ISEGS	Loggerhead Shrike	Lanius ludovicianus	LOSH	Adult	Unknown	Carcass Survey	Broken up	3-6 days	entire left wing	Unknown	Not Applicable (0% or Unknown)	Freezer on site		639473	3936928	heliostat		1
5/2/2014	5/2/2014	2014_200_ISEGS	Violet Green Swallow	Tachycineta thalassina	VGSW	Adult	Male	Incidental	Dead, fresh (eyes moist)	0-8 hours	Singed wings, tail and rump feathers	Scorched or singed	Valid (>90%)	Freezer on site		637443	3937973	Project Building		60
5/2/2014	5/2/2014	2014_201_ISEGS	Cliff Swallow	Petrochelidon pyrrhonota	CLSW	Adult	Unknown	Incidental	Dead, fresh (eyes moist)	8-24 hours	Singed tail, wing feathers curled, nape singed	Scorched or singed	Valid (>90%)	Freezer on site		640360	3933587	Solar Concentrating Tower		120
5/2/2014	5/2/2014	2014_202_ISEGS	Calliope Hummingbird	Stellula calliope	CAHU	Adult	Female	Incidental	Dead, fresh (eyes moist)	0-8 hours	rump, tail feathers singed	Scorched or singed	Valid (>90%)	Freezer on site		640342	3933487	Solar Concentrating Tower		120
5/2/2014	5/2/2014	2014_203_ISEGS	Costa's Hummingbird	Calypte costae	COHU	Adult	Female	Incidental	Dead, fresh (eyes moist)	0-8 hours	most of tail burnt off; right flank singed	Scorched or singed	Valid (>90%)	Freezer on site		640405	3933590	Solar Concentrating Tower		240
5/2/2014	5/2/2014	2014_204_ISEGS	Lesser Goldfinch	Carduelis psaltria	LEGO	Adult	Male	Incidental	Dead, fresh (eyes moist)	0-8 hours	wing and tail feathers singed and curled	Scorched or singed	Valid (>90%)	Freezer on site		640400	3933520	Solar Concentrating Tower		45
5/2/2014	5/2/2014	2014_205_ISEGS	Violet Green Swallow	Tachycineta thalassina	VGSW	Adult	Male	Incidental	Dead, fresh (eyes moist)	0-8 hours	wing, tail feather singed and curled	Scorched or singed	Valid (>90%)	Freezer on site		640394	3933520	Solar Concentrating Tower		90
5/2/2014	5/2/2014	2014_206_ISEGS	Barn Swallow	Hirundo rustica	BARS	Adult	Male	Incidental	Dead, fresh (eyes moist)	0-8 hours	Entire body singed; head; flight feathers, body feathers, back	Scorched or singed	Valid (>90%)	Freezer on site		640332	3933509	Solar Concentrating Tower		90
5/2/2014	5/2/2014	2014_207_ISEGS	Cliff Swallow	Petrochelidon pyrrhonota	CLSW	Adult	Unknown	Incidental	Dead, fresh (eyes moist)	0-8 hours	wing and tail feathers singed and curled	Scorched or singed	Valid (>90%)	Freezer on site		640325	3933513	Solar Concentrating Tower		180
5/2/2014	5/2/2014	2014_208_ISEGS	Barn Swallow	Hirundo rustica	BARS	Adult	Male	Incidental	Dead, fresh (eyes moist)	0-8 hours	wing, tail feathers, nape, rump, head singed	Scorched or singed	Valid (>90%)	Freezer on site		640300	3933508	Solar Concentrating Tower		240
5/3/2014	5/3/2014	2014_209_ISEGS	Cliff Swallow	Petrochelidon pyrrhonota	CLSW	Adult	Unknown	Carcass Survey	Dead, fresh (eyes moist)	0-8 hours	singed greater coverts, retrices, tips of some primaries. Head, face, breast and armpits also singed.	Scorched or singed	Valid (>90%)	Freezer on site		640191	3933436	heliostat		2
5/3/2014	5/3/2014	2014_210_ISEGS	Barn Swallow	Hirundo rustica	BARS	Adult	Male	Carcass Survey	Dead, fresh (eyes moist)	0-8 hours	Singed coverts, primaries, retrices, rump, cloacal protuberance. Right side of head and right eye singed.	Scorched or singed	Valid (>90%)	Freezer on site		640594	3933480	heliostat		3
5/3/2014	5/3/2014	2014_211_ISEGS	Yellow-rumped Warbler	Dendroica coronata	YRWA	Adult	Unknown	Carcass Survey	Dead, semi-fresh (eyes desiccated, rigor mortis)	8-24 hours	All flight feathers singed and curled. Entire face singed. Upper breast, both sides, undertail coverts, and upper back sined.	Scorched or singed	Valid (>90%)	Freezer on site		640376	3933543	ACC Building	radiator	0
5/3/2014	5/5/2014	2014_212_ISEGS	Bank Swallow	Riparia riparia	BANS	Adult	Unknown	Carcass Survey	Dead, semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Singeing on body. Wing feathers curled and singed.	Scorched or singed	Valid (>90%)	Freezer on site		640368	3933536	ACC Building	radiator	0
5/3/2014	5/3/2014	2014_213_ISEGS	Rufous Hummingbird	Selasphorus rufus	RUHU	Adult	Male	Carcass Survey	Dead, semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. No singeing or clear sign of injury.	Unknown	Not Applicable (0% or Unknown)	Freezer on site		640391	3933546	ACC Building	radiator	0
5/3/2014	5/3/2014	2014_214_ISEGS	Cliff Swallow	Petrochelidon pyrrhonota	CLSW	Adult	Unknown	Carcass Survey	Dead, fresh (eyes moist)	8-24 hours	All flight feathers singed and curled. Back and under wings singed.	Scorched or singed	Valid (>90%)	Freezer on site		640386	3933555	ACC Building	radiator	0
5/3/2014	5/3/2014	2014_215_ISEGS	Nashville Warbler	Oreothlypis ruficapilla	NAWA	Adult	Female	Carcass Survey	Dead, semi-fresh (eyes desiccated, rigor mortis)	2 days	Tail and R wing feathers singed and curled. Singed R ventral side. Singed head and back. All wing coverts singed.	Scorched or singed	Valid (>90%)	Freezer on site		640364	3933554	ACC Building	radiator	0
5/3/2014	5/3/2014	2014_216_ISEGS	Northern Rough-winged Swallow	Stelgidopteryx serripennis	NRWS	Adult	Unknown	Carcass Survey	Dead, semi-fresh (eyes desiccated, rigor mortis)	3-6 days	No external trauma present; no singeing	Unknown	Not Applicable (0% or Unknown)	Freezer on site		640419	3933555	ACC Building	radiator	0
5/3/2014	5/5/2014	2014_217_ISEGS	Bank Swallow	Riparia riparia	BANS	Adult	Unknown	Carcass Survey	Dead, semi-fresh (eyes desiccated, rigor mortis)	3-6 days	All flight feathers singed. Most tail feathers missing. Entire dorsal surface singed.	Scorched or singed	Valid (>90%)	Freezer on site		640387	3933532	ACC Building	deck of Alley A	0
5/3/2014	5/3/2014	2014_218_ISEGS	Lazuli Bunting	Passerina amoena	LAZB	Adult	Female	Carcass Survey	Alive, injured	0-8 hours	Singed over 90% of back. Tail missing. All flight feathers singed and curled.	Scorched or singed	Valid (>90%)	Freezer on site	Died enroute to rehab; brought back to site	640407	3933558	ACC Building	radiator	0

5/3/2014	5/3/2014	2014_219_ISEGS	Barn Swallow	Hirundo rustica	BARS	Adult	Unknown	Carcass Survey	Alive, injured	0-8 hours	All flight feathers singed and curled. ~70% of tail feathers missing. Back singed. Right side of face singed and right eye cloudy and half closed.	Scorched or singed	Valid (>90%)	Freezer on site	Died enroute to rehab; brought back to site	640308	3933555	Project Building		0
5/4/2014	5/4/2014	2014_220_ISEGS	Yellow-rumped Warbler	Dendroica coronata	YRWA	Adult	Unknown	Carcass Survey	Dead, semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Full carcass, half eaten by ants. skull fully exposed. Indistinct smudge on nearby mirror, but no clear injuries or cause of death.	Collision with solar panel/heliostat	Possible (<50%, >0)	Freezer on site		640044	3933166	heliostat		6
5/5/2014	5/5/2014	2014_221_ISEGS	Mourning Dove	Zenaida macroura	MODO	Adult	Unknown	Carcass Survey	Feather spot	3-6 days	~200 body, ~15 flight feathers	Collision with solar panel/heliostat	Possible (<50%, >0)	Freezer on site		639618	3932767	heliostat		10
5/5/2014	5/5/2014	2014_222_ISEGS	Ash-Throated Flycatcher	Myiarchus cinerascens	ATFL	Adult	Unknown	Carcass Survey	Dead, semi-fresh (eyes desiccated, rigor mortis)	3-6 days	full carcass; ants on carcass; eyes gone	Collision with solar panel/heliostat	Possible (<50%, >0)	Freezer on site		639441	3933325	heliostat		3
5/5/2014	5/5/2014	2014_223_ISEGS	Rufous Hummingbird	Selasphorus rufus	RUHU	Adult	Unknown	Carcass Survey	Feather spot	3-6 days	5 flight and 18 body feathers	Unknown	Not Applicable (0% or Unknown)	Freezer on site		637651	3937864	heliostat		5
5/5/2014	5/5/2014	2014_224_ISEGS	Mourning Dove	Zenaida macroura	MODO	Adult	Unknown	Carcass Survey	Feather spot	8-24 hours	10-12 flight and 20 body feathers	Unknown	Not Applicable (0% or Unknown)	Freezer on site		637544	3937762	heliostat		1
5/5/2014	5/5/2014	2014_225_ISEGS	Lazuli Bunting	Passerina amoena	LABU	Adult	Female	Incidental	Dead, fresh (eyes moist)	0-8 hours	Singed back, crown, rump. Body feathers, tail feathers curled; Flux effect grade 1 and 3	Scorched or singed	Valid (>90%)	Freezer on site		640436	3933527	Solar Concentrating Tower		93
5/5/2014	5/5/2014	2014_226_ISEGS	Wilson's Warbler	Cardellina pusilla	WIWA	Adult	Female	Incidental	Dead, fresh (eyes moist)	0-8 hours	No external trauma present; no singeing	Unknown	Not Applicable (0% or Unknown)	Freezer on site		640436	3933521	Solar Concentrating Tower		118
5/6/2014	5/6/2014	2014_227_ISEGS	Yellow-rumped Warbler	Setophaga coronata	YRWA	Adult	Female	Carcass Survey	Dead, semi-fresh (eyes desiccated, rigor mortis)	2 days	Singeing on wings, tail, nape, rump, back and head; Flux effect grade 2 and 3	Scorched or singed	Valid (>90%)	Freezer on site		638649	3935918	Project Building		0
5/6/2014	5/6/2014	2014_228_ISEGS	Bank Swallow	Riparia riparia	BANS	Adult	Unknown	Carcass Survey	Dead, semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Tail, wing feathers singed; chest singed nape, top of head	Scorched or singed	Valid (>90%)	Freezer on site		638634	3935897	Project Building		0
5/6/2014	5/6/2014	2014_229_ISEGS	Yellow Warbler	Setophaga petechia	YEWA	Adult	Male	Carcass Survey	Dead, semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Little singeing on nape, left of neck and small amount on tips of wing feathers	Scorched or singed	Valid (>90%)	Freezer on site		638639	3935907	Project Building		0
5/6/2014	5/6/2014	2014_230_ISEGS	Tree Swallow	Tachycineta bicolor	TRES	Adult	Male	Carcass Survey	Dead, fresh (eyes moist)	0-8 hours	Singeing on flight, contour feathers, nape	Scorched or singed	Valid (>90%)	Freezer on site		638559	3935890	Other		2
5/6/2014	5/6/2014	2014_231_ISEGS	Black-Throated Sparrow	Amphispiza bilineata	BTSP	Adult	Unknown	Carcass Survey	Dead, semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Intact carcass; feathers in good condition	Unknown	Not Applicable (0% or Unknown)	Freezer on site		640702	3932683	Heliostat		9
5/6/2014	5/6/2014	2014_232_ISEGS	Western Kingbird	Tyrannus verticalis	WEKI	Adult	Unknown	Carcass Survey	Alive, injured	8-24 hours	Injured right wing, no singeing or sign of other external trauma.	Unknown	Not Applicable (0% or Unknown)			638927	3937413	Fencing		0
5/6/2014	5/6/2014	2014_233_ISEGS	Unknown Hummingbird	Unknown	UNKN	Unknown	Unknown	Incidental	Mummified	3-6 days	Entire body burned. Missing feathers over most of its body. Skull and keel exposed. Bill broken.	Scorched or singed	Valid (>90%)	Freezer on site		638673	3935851	Solar Concentrating Tower		6
5/7/2014	5/7/2014	2014_234_ISEGS	Anna's Hummingbird	Calypte anna	ANHU	Adult	Female	Incidental	Dead, fresh (eyes moist)	0-8 hours	Entire ventral surface singed. Tail, head, nape, and flanks singed.	Scorched or singed	Valid (>90%)	Freezer on site		637381	3937881	Solar Concentrating Tower		260
5/7/2014	5/7/2014	2014_235_ISEGS	Mourning Dove	Zenaida macroura	MODO	Adult	Unknown	Carcass Survey	Dead, semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. No obvious external injuries	Unknown	Not Applicable (0% or Unknown)	Freezer on site		637401	3936878	heliostat		4
5/7/2014	5/7/2014	2014_236_ISEGS	Olive-Sided Flycatcher	Contopus cooperi	OSFL	Adult	Unknown	Incidental	Feather spot	3-6 days	Feather spot of flight and body feathers	Unknown	Not Applicable (0% or Unknown)	Freezer on site		639572	3935071	Transmission Line		
5/8/2014	5/8/2014	2014_237_ISEGS	Horned Lark	Eremophila alpestris	HOLA	Adult	Unknown	Carcass Survey	Feather spot	3 weeks	Feather spot is that of breast feathers with dried skin attached	Unknown	Not Applicable (0% or Unknown)	Freezer on site		638268	3935174	heliostat		6
5/8/2014	5/8/2014	2014_238_ISEGS	Yellow-rumped Warbler	Setophaga coronata	YRWA	Adult	Unknown	Incidental	Dead, fresh (eyes moist)	0-8 hours	Head, neck, sides, tail, and wings singed.	Scorched or singed	Valid (>90%)	Freezer on site		640267	3933481	Other	PSB	30
5/9/2014	5/9/2014	2014_239_ISEGS	Mourning Dove	Zenaida macroura	MODO	Adult	Unknown	Carcass Survey	Feather spot	3-6 days	Large amount of flight and body feathers found in a ~20 ft diameter scattered all around a heliostat	Unknown	Not Applicable (0% or Unknown)	Freezer on site		638190	3936806	heliostat		0
5/10/2014	5/10/2014	2014_240_ISEGS	Unknown	Unknown	UNKN	Unknown	Unknown	Incidental	Feather spot	Unknown	Scavenged by raven, only feathers remained	Unknown	Not Applicable (0% or Unknown)	Freezer on site		639692	3934871	Ground		0
5/10/2014	5/10/2014	2014_241_ISEGS	Costa's Hummingbird	Calypte costae	COHU	Adult	Male	Carcass Survey	Dead, semi-fresh (eyes desiccated, rigor mortis)	3-6 days	R ventral side, L rump, both dorsal sides and chin singed. L rectrices singed/curled.	Scorched or singed	Valid (>90%)	Freezer on site		640406	3933549	ACC Building		0
5/10/2014	5/10/2014	2014_242_ISEGS	Unknown	Unknown	UNKN	Unknown	Unknown	Carcass Survey	Feather spot	3 weeks	Foot, some feathers. May be part of a CORA pellet.	Unknown	Not Applicable (0% or Unknown)	Freezer on site		640399	3933549	ACC Building		0
5/10/2014	5/10/2014	2014_243_ISEGS	Wilson's Warbler	Cardellina pusilla	WIWA	Adult	Male	Carcass Survey	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. Crown, wing coverts, nape and rump singed. All flight feathers singed and curled.	Scorched or singed	Valid (>90%)	Freezer on site		640402	3933434	berm		10
5/10/2014	5/10/2014	2014_244_ISEGS	Unknown Hummingbird	Unknown	UNKN	Unknown	Unknown	Carcass Survey	Dead, semi-fresh (eyes desiccated, rigor mortis)	2 days	Whole carcass. Most primaries curled. Tail singed off. All dorsal body feathers singed.	Scorched or singed	Valid (>90%)	Freezer on site		640488	3933590	heliostat		6
5/10/2014	5/10/2014	2014_245_ISEGS	Vaux's Swift	Chaetura vauxi	VASW	Adult	Unknown	Carcass Survey	Dead, semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Tail and wings singed and curled.	Scorched or singed	Valid (>90%)	Freezer on site		640542	3933553	heliostat		8
5/10/2014	5/10/2014	2014_246_ISEGS	Rufous Hummingbird	Selasphorus rufus	RUHU	Adult	Female	Carcass Survey	Dead, semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Most flight feathers curled, back and head and dorsal feathers singed.	Scorched or singed	Valid (>90%)	Freezer on site		640538	3933555	heliostat		5
5/10/2014	5/10/2014	2014_247_ISEGS	Townsend's Warbler	Setophaga townsendi	TOWA	Adult	Female	Carcass Survey	Dead, fresh (eyes moist)	8-24 hours	Whole carcass. No obvious external injuries	Unknown	Not Applicable (0% or Unknown)	Freezer on site		640471	3933534	heliostat		8

5/10/2014	5/10/2014	214_248_ISEGS	Unknown Swift	Apodidae sp.	UNKN	Adult	Unknown	Carcass Survey	Dead, semi-fresh (eyes desiccated, rigor mortis)	2 weeks	Whole carcass. Tail and most flight feathers burned off. Missing most of ventral feathers, rest are singed. L side singed. Back of skull exposed.	Scorched or singed	Valid (>90%)	Freezer on site	640378	3933523	Solar Concentrating Tower		0
5/10/2014	5/10/2014	2014_249_ISEGS	Hermit Warbler	Setophaga occidentalis	HEWA	Adult	Female	Carcass Survey	Dead, fresh (eyes moist)	0-8 hours	Whole carcass. No obvious external injuries	Unknown	Not Applicable (0% or Unknown)	Freezer on site	640437	3933525	ACC Building	E support beam	3
5/10/2014	5/10/2014	2014_250_ISEGS	Horned Lark	Eremophila alpestris	HOLA	Adult	Unknown	Carcass Survey	Feather spot	2 weeks	2 retrices, partial wing, 1 breast feather. Some curling and small amount of singeing on partial wing.	Scorched or singed	Possible (<50%, >0)	Freezer on site	640385	3933351	heliostat		8
5/10/2014	5/10/2014	2014_251_ISEGS	Yellow-rumped Warbler	Dendroica coronata	YRWA	Adult	Unknown	Carcass Survey	Dead, fresh (eyes moist)	8-24 hours	Whole carcass. No obvious external injuries	Unknown	Not Applicable (0% or Unknown)	Freezer on site	640207	3933670	heliostat		0.5
5/10/2014	5/10/2014	2014_252_ISEGS	Mourning Dove	Zenaida macroura	MODO	Adult	Unknown	Carcass Survey	Feather spot	8-24 hours	5 primaries, 2 secondaries, 3 retrices, 15+ breast feathers. No sign of damage to feathers.	Unknown	Not Applicable (0% or Unknown)	Freezer on site	640193	3933518	berm		23
5/11/2014	5/11/2014	2014_253_ISEGS	Lesser Nighthawk	Chordeiles acutipennis	LENI	Unknown	Female	Incidental	Dead, fresh (eyes moist)	0-8 hours	whole carcass	Unknown	Not Applicable (0% or Unknown)	Freezer on site	640318	3933485	Solar Concentrating Tower	excitation transformer	6
5/14/2014	5/14/2014	2014_254_ISEGS	Black-Headed Grosbeak	Pheucticus melanocephalus	BHGR	Adult	Male	Carcass Survey	Feather spot	7 days	partial wing consisting of 5 primaries and their associated coverts; 5 additional flight feathers and ~30 contour feathers. No sign of singeing or collision.	Unknown	Not Applicable (0% or Unknown)	Freezer on site	638987	3936190	heliostat		7
5/14/2014	5/14/2014	2014_255_ISEGS	Yellow-Breasted Chat	Icteria virens	YBCH	Adult	Unknown	Carcass Survey	Broken up	1 month +	Right wing only; scavenged	Unknown	Not Applicable (0% or Unknown)	Freezer on site	638312	3935559	heliostat		9
5/14/2014	5/14/2014	2014_256_ISEGS	Nashville Warbler	Oreothlypis ruficapilla	NAWA	Adult	Female	Incidental	Dead, fresh (eyes moist)	8-24 hours	singed head, side of face, wings, tail feathers singed; Flux effects Grade 2 and 3	Scorched or singed	Valid (>90%)	Freezer on site	637456	3937888	Solar Concentrating Tower		85
5/15/2014	5/15/2014	2014_257_ISEGS	Barn Swallow	Hirundo rustica	BARS	Adult	Unknown	Carcass Survey	Broken up	8-24 hours	Portions of 2 wings; breast, keel present with feathers; fresh blood and organs; singed wing, covert, and body feathers; Flux effects grade 1 and 3	Scorched or singed	Valid (>90%)	Freezer on site	638299	3935229	heliostat		1
5/16/2014	5/16/2014	2014_258_ISEGS	Unknown	Unknown	UNKN	Adult	Unknown	Incidental	Feather spot	0-8 hours	~40 Flight feathers singed and curled; body feathers singed	Scorched or singed	Valid (>90%)	Freezer on site	637365	3937988	Light Pole		36
5/20/2014	5/20/2014	2014_259_ISEGS	Lesser Nighthawk	Chordeiles acutipennis	LENI	Adult	Female	Carcass Survey	Broken up	2 weeks	eyes gone, feathers fluffy, carcass missing guts, muscle	Unknown	Not Applicable (0% or Unknown)	Freezer on site	639934	3933339	heliostat		6
5/21/2014	5/21/2014	2014_260_ISEGS	Unknown	Unknown	UNKN	Unknown	Unknown	Carcass Survey	Feather spot	1 month +	4 flight feathers	Unknown	Not Applicable (0% or Unknown)	Freezer on site	639916	3932885	heliostat		2
5/22/2014	5/22/2014	2014_261_ISEGS	Unknown Hummingbird	Unknown	UNHU	Adult	Unknown	Incidental	Dead, fresh (eyes moist)	0-8 hours	whole carcass. Head and body singed. All flight feathers singed; tail gone.	Scorched or singed	Valid (>90%)	Freezer on site	637438	3937948	ACC Building		2.5
5/28/2014	5/28/2014	2014_262_ISEGS	Mourning Dove	Zenaida macroura	MODO	Adult	Unknown	Carcass Survey	Broken up	3-6 days	L partial wing.	Unknown	Not Applicable (0% or Unknown)	Freezer on site	637382	3937791	heliostat		3
5/28/2014	5/28/2014	2014_263_ISEGS	Pine Siskin	Spinus pinus	PISI	Adult	Unknown	Carcass Survey	Dead, semi-fresh (eyes desiccated, rigor mortis)	2 weeks	whole carcass. R wing coverts and secondaries singed and curled. Head, nape and rump singed. L wing coverts and tail singed.	Scorched or singed	Valid (>90%)	Freezer on site	637471	3937974	ACC Building		0
5/20/2014	5/28/2014	2014_264_ISEGS	Townsend's Warbler	Setophaga townsendi	TOWA	Adult	Female	Carcass Survey	Dead, semi-fresh (eyes desiccated, rigor mortis)	7 days	Entire dorsal surface, face, and all flight feathers singed and curled.	Scorched or singed	Observed or Confirmed (100%)	Freezer on site	637480	3937965	ACC Building		0
5/28/2014	5/28/2014	2014_265_ISEGS	Costa's Hummingbird	Calypte costae	COHU	Unknown	Unknown	Carcass Survey	Dead, semi-fresh (eyes desiccated, rigor mortis)	2 weeks	L tail curled and singed; R tail, L flank, and L head singed.	Scorched or singed	Valid (>90%)	Freezer on site	637480	3937963	ACC Building		0
5/28/2014	5/28/2014	2014_266_ISEGS	Northern Rough-winged Swallow	Stelgidopteryx serripennis	NRWS	Adult	Unknown	Carcass Survey	Dead, semi-fresh (eyes desiccated, rigor mortis)	2 weeks	all retrices singed and curled. L wing tips singed. All right wing feathers singed. Crown, rump, and some dorsal feathers singed.	Scorched or singed	Valid (>90%)	Freezer on site	637462	3937942	ACC Building		0
5/28/2014	5/28/2014	2014_267_ISEGS	Lapland Longspur	Calcarius lapponicus	LALO	Adult	Female	Carcass Survey	Dead, fresh (eyes moist)	3-6 days	No external trauma present; no singeing	Collision with solar panel/heliostat	Probable (>50%)	Freezer on site	637580	3937824	Heliostat		2
5/28/2014	5/28/2014	2014_268_ISEGS	Horned Lark	Eremophila alpestris	HOLA	Adult	Unknown	Carcass Survey	Feather spot	2 weeks	2 retrices, 9 remiges, ~20 contour feathers	Unknown	Not Applicable (0% or Unknown)	Freezer on site	637434	3937984	Light Pole		6
5/28/2014	5/28/2014	2014_269_ISEGS	Greater Roadrunner	Geococcyx californianus	GRRO	Juvenile	Unknown	Carcass Survey	Feather spot	3 weeks	17+ flight feathers, 20+ contour feathers	Unknown	Not Applicable (0% or Unknown)	Freezer on site	637298	3938952	Fencing		0
5/28/2014	5/28/2014	2014_270_ISEGS	Greater Roadrunner	Geococcyx californianus	GRRO	Adult	Unknown	Carcass Survey	Feather spot	3 weeks	3 flight feathers.	Unknown	Not Applicable (0% or Unknown)	Freezer on site	636871	3939135	Fencing		0
5/28/2014	5/28/2014	2014_271_ISEGS	Brown-headed cowbird	Molothrus ater	BHCO	Adult	Female	Carcass Survey	Mummified	3 weeks	Carcass missing head. No sign of flux or collision.	Unknown	Not Applicable (0% or Unknown)	Freezer on site	637332	3937667	heliostat		8
5/29/2014	5/29/2014	2014_272_ISEGS	Hermit Warbler	Setophaga occidentalis	HEWA	Adult	Female	Incidental	Dead, semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass. Brain scavenged, otherwise no sign of external injuries.	Unknown	Not Applicable (0% or Unknown)	Freezer on site	638677	3935857	Project Building		0
5/29/2014	5/29/2014	2014_273_ISEGS	Mourning Dove	Zenaida macroura	MODO	Adult	Unknown	Carcass Survey	Feather spot	2 weeks	20+ flight feathers and 100+ body feathers. Smudge on mirror.	Collision with solar panel/heliostat	Valid (>90%)	Freezer on site	636670	3937127	heliostat		3
5/29/2014	5/29/2014	2014_274_ISEGS	Anna's Hummingbird	Calypte anna	ANHU	Juvenile	Male	Incidental	Dead, fresh (eyes moist)	0-8 hours	Singed on rump, Right side of face, and right flank. Tail singed and curled.	Scorched or singed	Valid (>90%)	Freezer on site	637532	3937975	ACC Building		60

Table 5. ISEGS Avian Mortality and Injury Between May 1, 2014 - May 31, 2014

Salvage Permit # MB12386B-0

Discovery Date *	Collection Date *	Specimen Number *	Species Common Name (AOU English Name) *	Scientific Name (include subspecies, if known) *	SPITS Code	Age	Sex	How found? (Carcass survey, incidental detection) *	Condition of Bird/Carcass (or if Active Nest Relocation, please indicate that here)*	Estimated time dead/injured before discovery	Description of Carcass/Injury (noticeable injuries, entire, partial, feather, scavanged, disarticulation, emaciated)*	Suspected cause of injury/mortality (field determination)*	Level of certainty for suspected cause * Observed - 100% Valid - >90% certainty Probable - >50% certainty Possible - <50%, but > 0% certainty Not Applicable - 0% certainty or unknown	Disposition (Where did carcass end up?)*	Injured animal outcome? (Died, euthanized, released, rehab center, zoo)	Where found: GPS Latitude (decimal degrees)*	Where found: GPS Longitude (decimel degrees)*	Project feature where injured bird/carcass was found*	Project feature where injured bird/carcass was found* (use if more than one feature found)	Distance to Project Feature (Feet) *
3-May-14	3-May-14	2014_B07_ISEGS	Mexican Free-tailed Bat	Tadarida brasiliensis		A	unk	Carcass Survey	Dead, semi-fresh (eyes desiccated, rigor mortis)	3-6 days	Whole carcass	Unknown	Not Applicable (0% or Unknown)	Freezer on Site		640376	3933458	PDC 1; project building ~10 m N of tower		
4-May-14	4-May-14	2014_B08_ISEGS	California Myotis	Myotis californicus		A	unk	Incidental	Dead, fresh (eyes moist)	0-8 hours	Whole carcass	Unknown	Not Applicable (0% or Unknown)	Freezer on Site		637425	3937908	Standby generator room		0

Figure 1. ISEGS Initial Adult Tortoise Locations - Ivanpah 1 and Recipient Site.

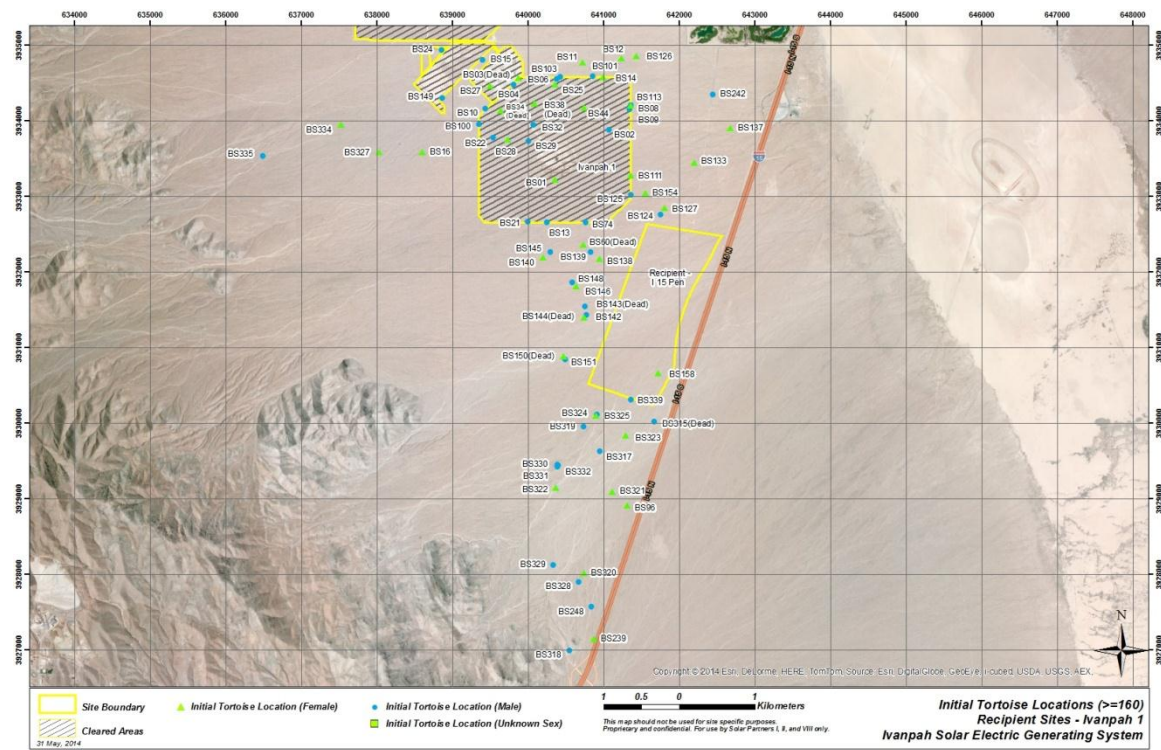


Figure 2. ISEGS Initial Juvenile Tortoise Locations - Ivanpah 1 and Recipient Site.

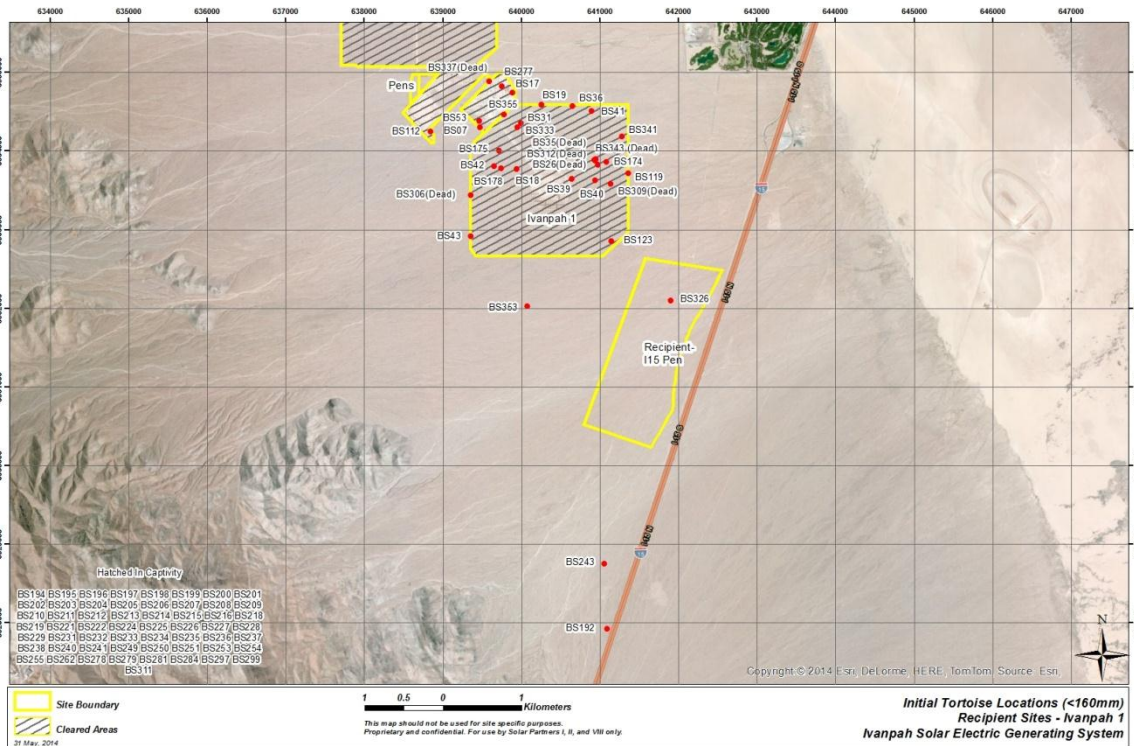
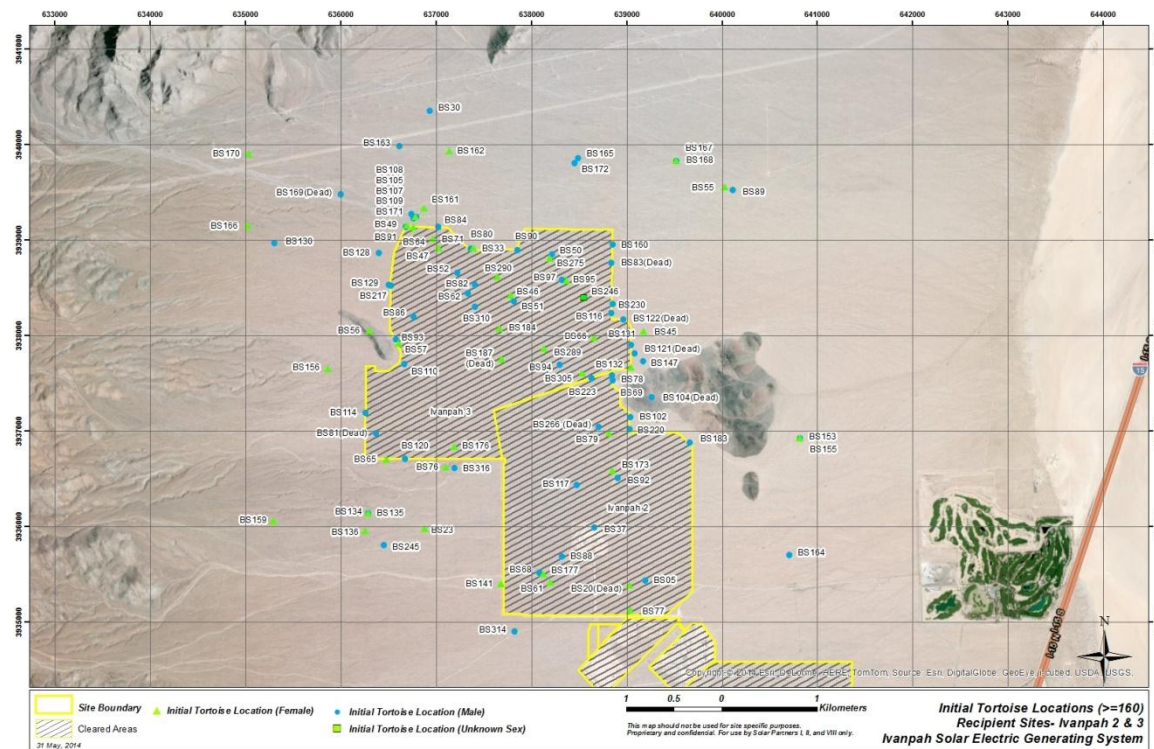


Figure 3. ISEGS Initial Adult Tortoise Locations - Ivanpah 2 and 3 and Recipient Site.



Hatched In Captivity

BS194 BS195 BS196 BS197 BS198 BS199 BS200 BS201
BS202 BS203 BS204 BS205 BS206 BS207 BS208 BS209
BS210 BS211 BS212 BS213 BS214 BS215 BS216 BS218
BS219 BS221 BS222 BS224 BS225 BS226 BS227 BS228
BS229 BS232 BS232 BS233 BS234 BS235 BS236 BS237
BS238 BS240 BS241 BS249 BS250 BS251 BS253 BS254
BS255 BS262 BS273 BS279 BS281 BS284 BS293 BS299
BS311

BS191 Unknown Initial position in Unit 2
BS193 Unknown Initial position in Unit 3

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Site Boundary
Cleared Areas

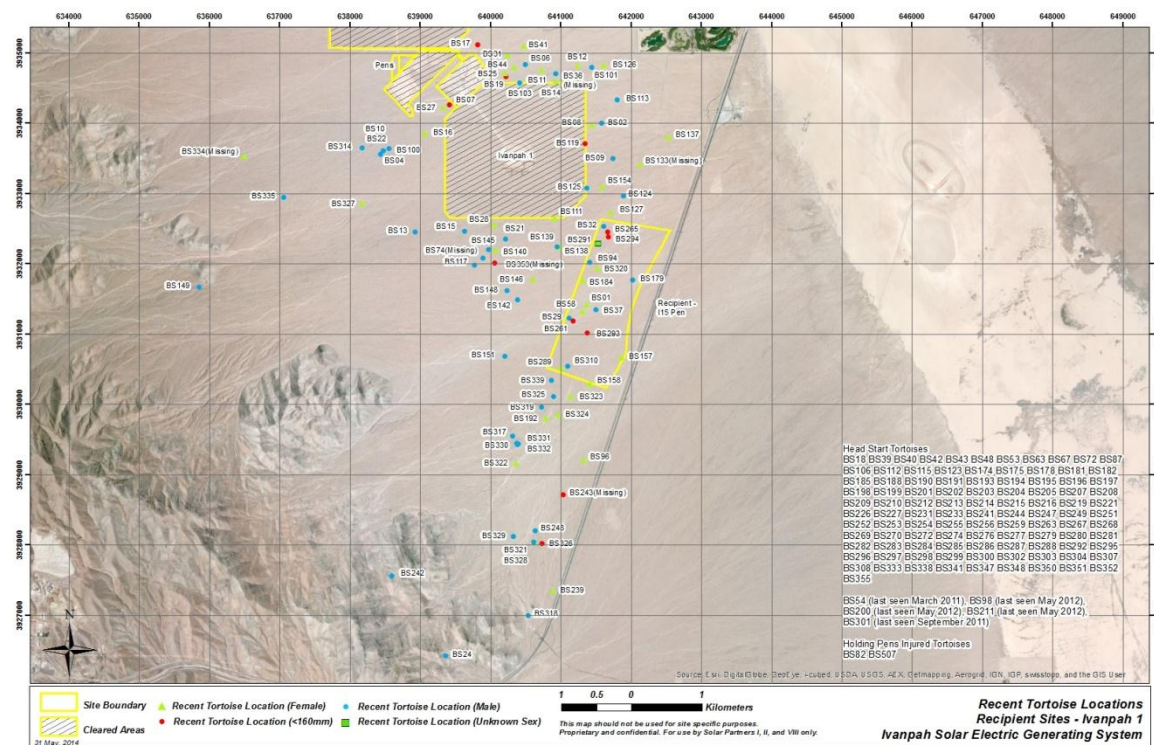
Initial Tortoise Locations (<160mm)
Recipient Sites - Ivanpah 2 & 3
Ivanpah Solar Electric Generating System

This map should not be used for site specific purposes.
Proprietary and confidential. For use by Solar Partners I, II, and III only.

31 May, 2014

Map of Initial Tortoise Locations Control West Ivanpah Solar Electric Generating System. The map displays the site boundary (yellow line) and the Recipient-115 Pen (red line). Roads shown include Highway 99, Highway 10, and Highway 11. Numerous initial tortoise locations are marked with colored dots: blue for Initial Tortoise Location (Male), green for Initial Tortoise Location (Female), and red for Initial Tortoise Location (<100mm). A legend at the bottom left explains the symbols. A scale bar at the bottom right shows 0 to 1 Kilometers. The map is dated 21 May, 2014.

Figure 7. ISEGS Current Tortoise Locations - Ivanpah 1 and Recipient Site.



[illegible]

Recent Tortoise Locations

- Recent Tortoise Location (Female)
- Recent Tortoise Location (Male)
- Recent Tortoise Location (<100mm)
- Recent Tortoise Location (Unknown Sex)

This map should not be used for site specific purposes.
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21 May, 2014

Ivanpah Solar Electric Generating System Control East

Figure 10. ISEGS Current Tortoise Locations - West Control Site.

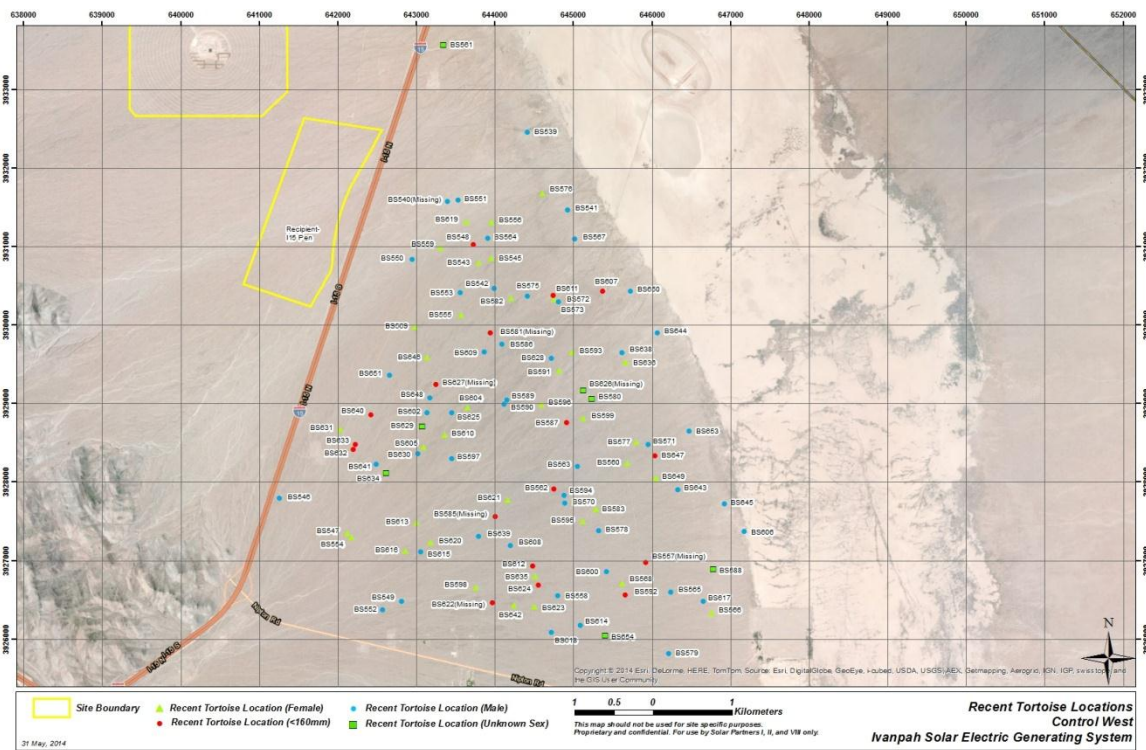


Figure 11. Mortality location of resident tortoise BS122.

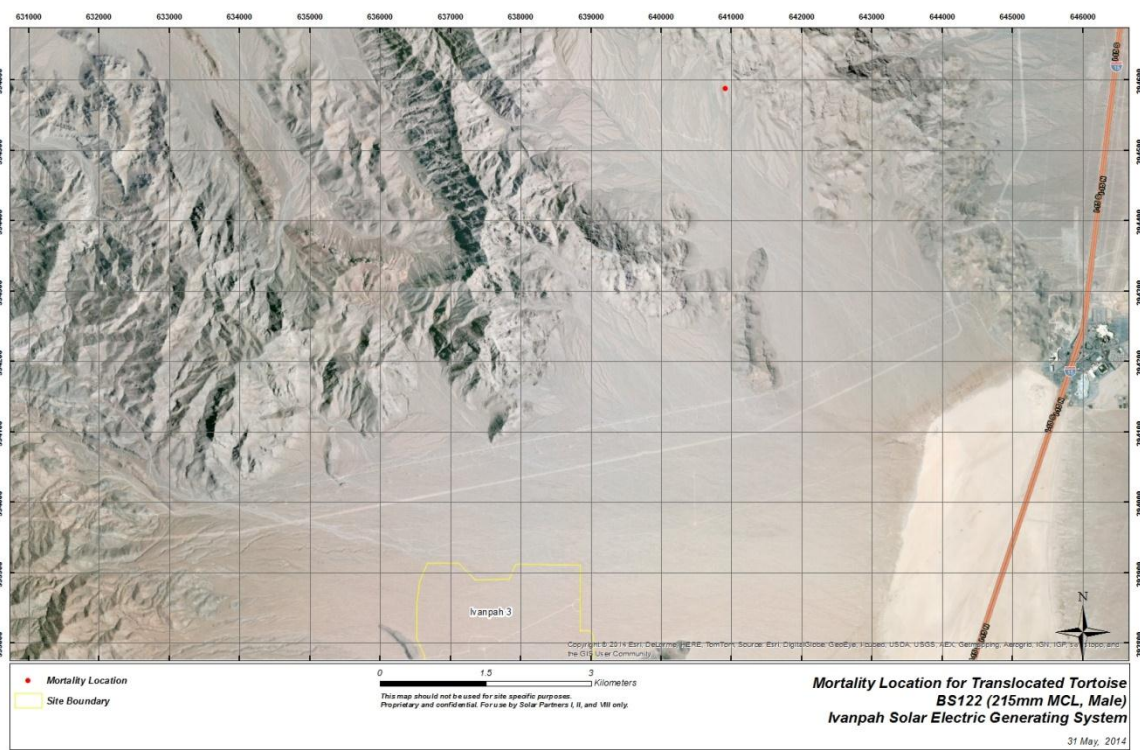


Figure 12. Mortality location of resident tortoise BS652.

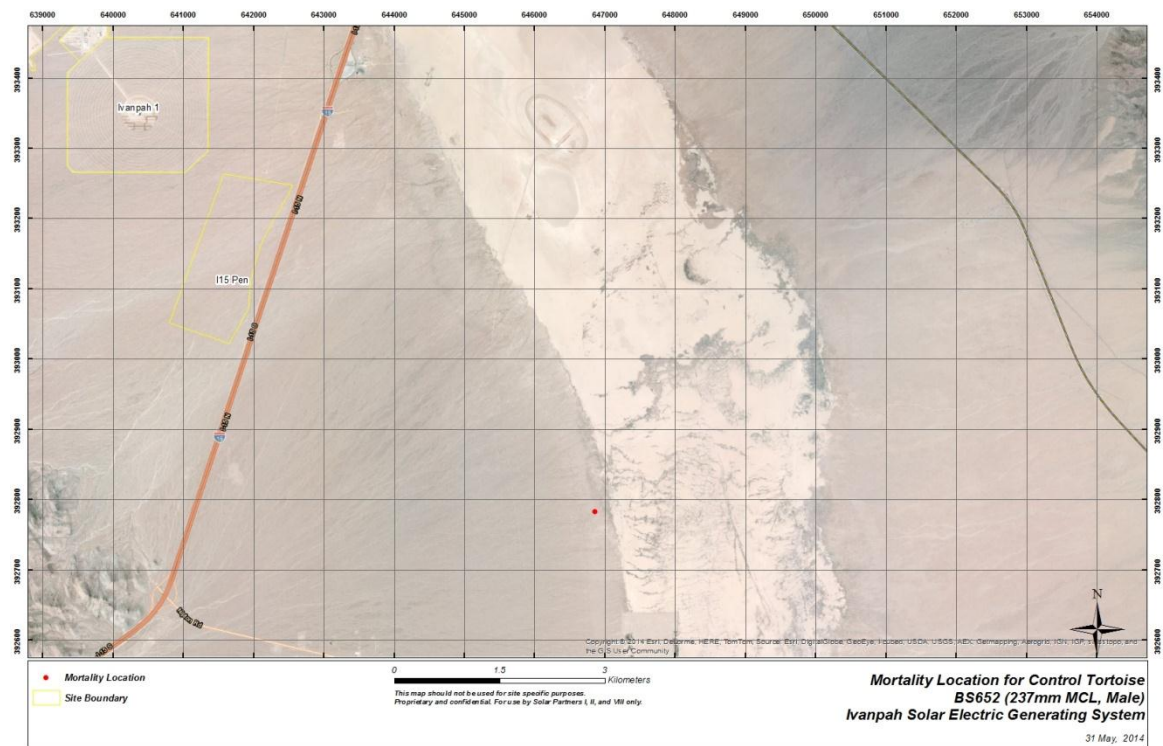


Figure 13. ISEGS Nesting bird locations May 1, 2014 – May 31, 2014.

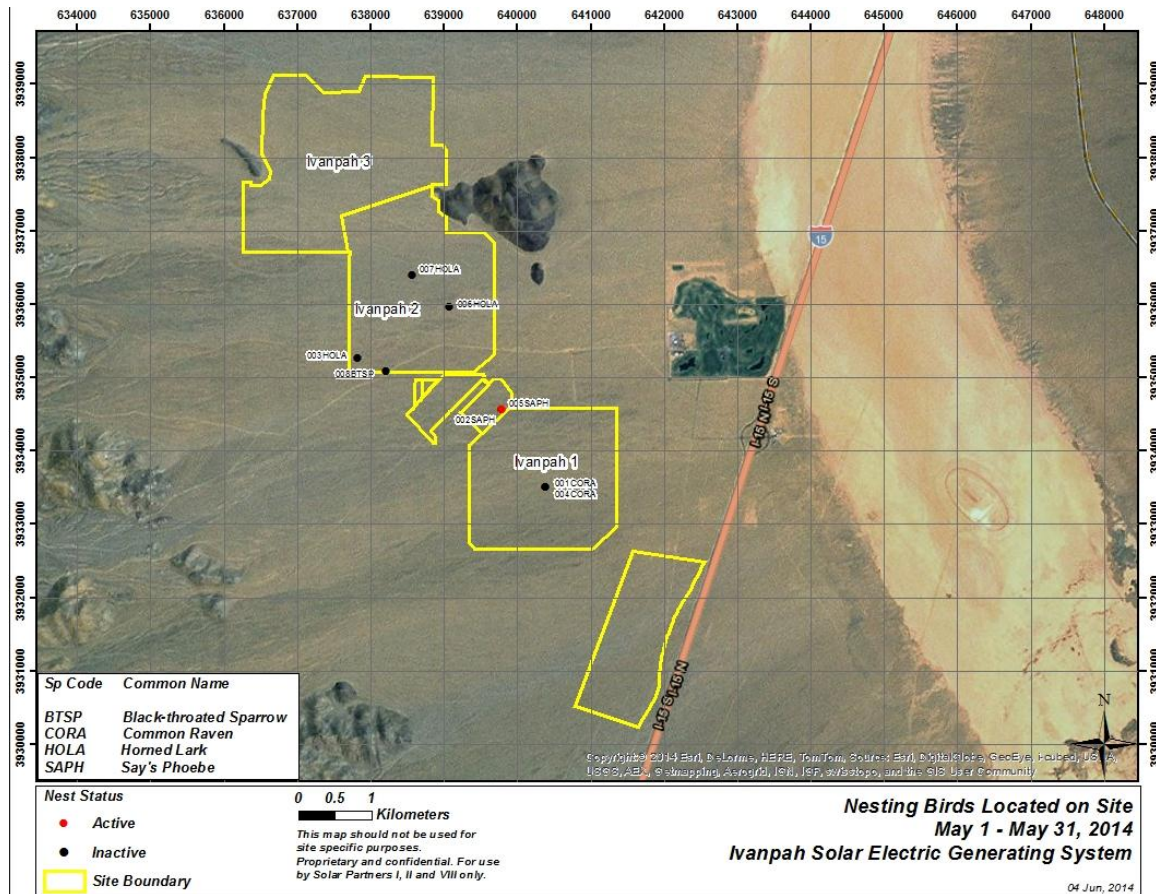


Figure 14. ISEGS Nesting raptor locations from May 1, 2014 – May 31, 2014.

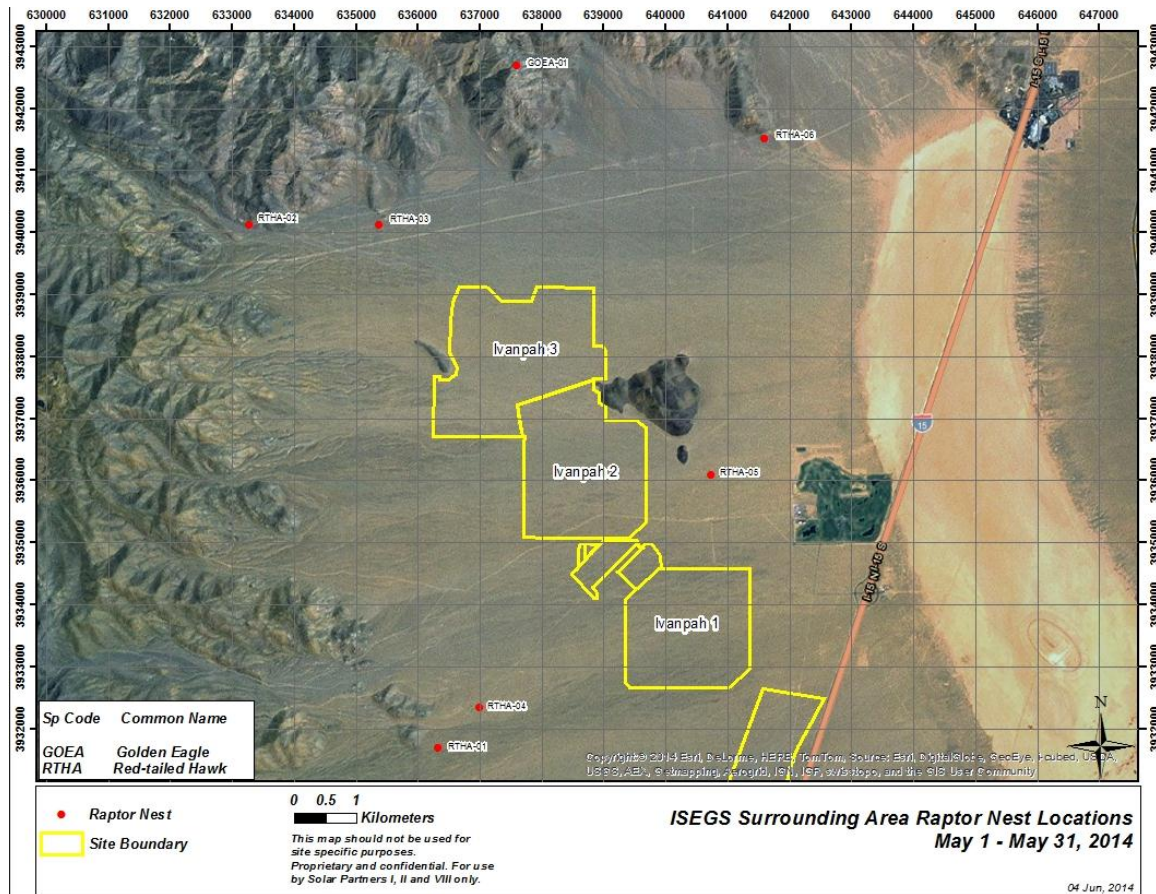


Figure 15. ISEGS Nesting Common Raven locations from May 1, 2014 – May 31, 2014.

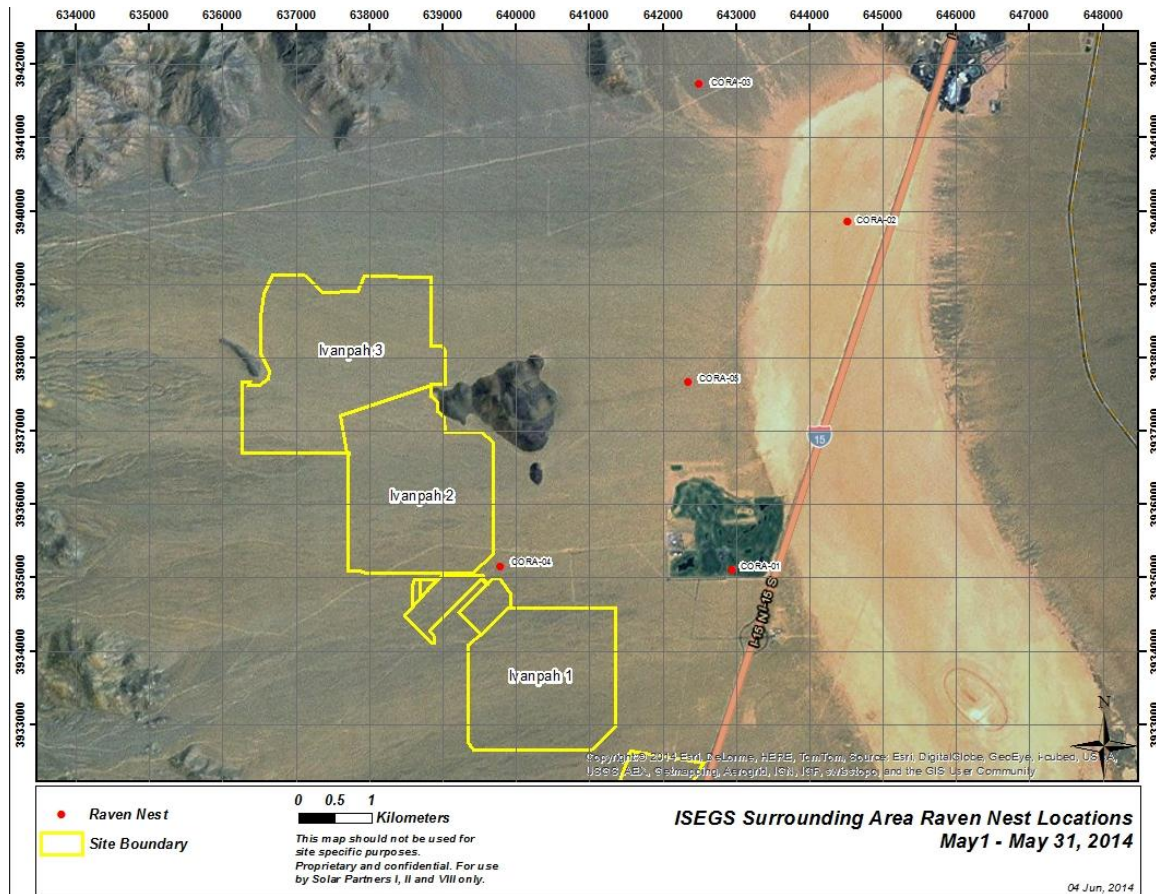
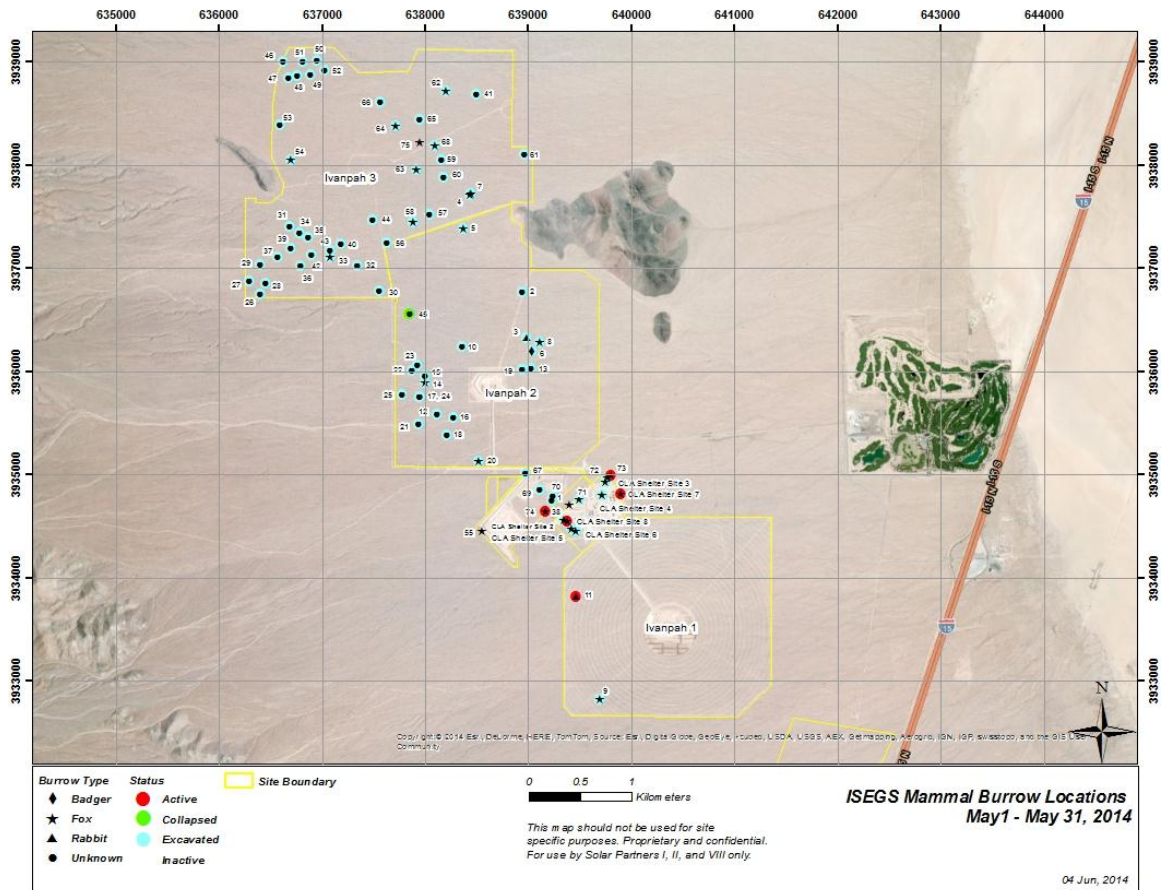


Figure 16. ISEGS Mammal Burrow locations from January 1, 2012 – April 30, 2014.



STATUS REPORT

Project Name: Ivanpah Solar Electric Generating System (ISEGS)
Subject: Perimeter Fence Evaluation, May 31, 2014
From: Lori Rose, Biologist for Solar Partners, LLC

There was one minor rain event during the month, on May 6, (0.0 inches on the CLA rain gauge and .12 inches at the husbandry pens). The event caused no damage to or breeches under the project fenceline.

Trash

There is accumulated trash throughout the Commons area, in drainages, on fencelines, and in patches of native vegetation. It is especially concentrated on the east fenceline of Commons East and on the Commons Area parking lot perimeter fence. Some fenceline trash has blown outside the eastern boundary of the project beyond the CLA.

Specific areas for additional improvements:

UNIT 1

Fencing and tortoise guards are in good condition.

COMMONS EAST

Fencing is in good condition.

COMMONS WEST

Perimeter fencing and tortoise guards are in good condition.

EDISON RIGHT OF WAY

Fencing and tortoise guards are in good condition.

UNIT 2

The combination security/exclusion fencing and tortoise guards are in good condition. The outer tortoise exclusion fence has undergone interim maintenance and is currently tortoise proof, but final maintenance was not performed in anticipation of its removal. BMP measures have been addressed on the eastern fenceline.

UNIT 3

The combination security/exclusion fencing and tortoise guards are in good condition. The outer tortoise exclusion fence has undergone interim maintenance and is currently tortoise proof, but final maintenance was not performed in anticipation of its removal.

On May 19, the biological monitor came upon a San Bernardino County Sheriff and a couple in a small private car on the exterior of the Unit 1 boundary fence. The car had become stuck sometime Sunday afternoon. A search and rescue effort had located the couple and they were picked up by a helicopter Sunday evening. The Sheriff bought them back to the vehicle on

Monday morning and a tow truck was on the way. The biological monitor escorted the vehicles back to Yates Well Rd. and after all vehicles had left, the monitor followed the vehicle tracks along the project fenceline searching for fence damage and potential injured tortoises. One adult male tortoise, BS125, was found upside down on its carapace, unable to right itself. The Designated Biologist was called and the monitor was asked to conduct an intervention and turn the tortoise on its plastron. The monitor observed the tortoise for several minutes after the intervention and entered all data into the database. No other injuries to the tortoise were observed. No fence damage was found.

COLOSSEUM ROAD

Fencing and tortoise guards are in good condition. BMP measures have been addressed and additional armoring is planned for installation in the upcoming weeks.

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

Exhibit 10

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

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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/Vendor/Owner	Remarks	Fore cast Date	CBO Approved
WS-1.2.0		Approval	PLAN		25542-000-G27-GGG-00061	UNIT 1, 2 AND 3 POWER BLOCK CONSTRUCTION FACILITIES PROTECTION PLAN	Bechtel			Y
GEN-4	NA	Approval	PE	Resume	N/A	Bechtel Site Resident Engineer Resume and Registration	Bechtel		010 A	Y
GEN-5	NA	Approval	Geotech	Resume	N/A	Bechtel Responsible Engineering Geologist Resume and Registration	Bechtel		010 A	Y
GEN-5	NA	Approval	Geotech	Resume	N/A	Bechtel Responsible Soils/Civil Engineer Resume and Registration	Bechtel		010 A	Y
GEN-5	NA	Approval	Civil	Resume	N/A	Bechtel Responsible Design Engineer (for plant structures) Resume and Registration	Bechtel		010 A	Y
GEN-5	NA	Approval	Electrical	Resume	N/A	Bechtel Responsible Electrical Engineer Resume and Registration	Bechtel		010 A	Y
GEN-5	NA	Approval	Mechanical	Resume	N/A	Bechtel Responsible Mechanical Engineer Resume and Registration	Bechtel		010 A	Y
GEN-5	NA	Approval	Plant Design	Resume		Bechtel Responsible Piping / Support Engineer Resume and Registration	Bechtel		#####	Y
FAB-1		Approval	Civil	Application	25542-000-V1A-ACE0-00060	APPLICATION FOR APPROVED FABRICATOR STATUS - TRINITY PRODUCTS	Vendor			Y
FAB-1		Approval	Civil	Application	25542-000-V1A-ACE0-00068	APPLICATION FOR APPROVED FABRICATORS STATUS - ATLAS IRON WORKS	Vendor			Y
FAB-1		Approval	Civil	Application	25542-000-V1A-ACE0-00103	SMBH & CO KG	Vendor			Y
FAB-1		Approval	Civil	Application	25542-000-V1A-ACE0-00110	APPLICATION FOR APPROVED FABRICATOR STATUS - NIAGARA BELCO LTD	Vendor			Y
FAB-1		Reference	Civil	Application	25542-000-V1A-DG01-00103	CERTIFICATE OF COMPLIANCE - HRC	Vendor			Y
FAB-1		Approval	Civil	Application	25542-000-V1A-DG01-00104	APPLICATION FOR APPROVED FABRICATOR STATUS	Vendor			Y
FAB-1		Reference	Civil	Application	25542-000-V1A-DG01-00119	HRC RESULTS	Vendor			Y
FAB-2		Approval	Electrical	Application	25542-000-V1B-EU00-00173	APPLICATION FOR APPROVED FABRICATOR STATUS	Vendor			Y
FAB-1		Approval	Mechanical	Application	25542-000-V1A-MBFD-00219	APPLICATION FOR APPROVED FABRICATOR STATUS	Vendor			Y
FAB-1		Approval	Mechanical	Application	25542-000-V1A-MBFD-00220	QUALITY SYSTEM MANUAL - BARR FABRICATION - UNCONTROLLED	Vendor			Y
FAB-1		Approval	Mechanical	Application	25542-000-V1A-MBFD-00221	BARR FABRICATION EXAMINATION OF WELDS REPORT	Vendor			Y
FAB-1		Approval	Mechanical	Application	25542-000-V1A-MCAA-00242	APPLICATION FOR APPROVED FABRICATOR STATUS	Vendor			Y
FAB-1		Approval	Mechanical	Application	25542-000-V1A-MCAA-00428	APPLICATION FOR APPROVED FABRICATOR STATUS	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00428	USSL FABRICATION PROCEDURE - INTRODUCTION	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00430	USSL HOT DIP GALVANIZING PROCEDURE	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00431	NOT INSPECTOR CERTIFICATE OF WU WEICHENG, YANG LE AND LIN QINGJIA	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00432	USSL NDT PROCEDURE	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00433	USSL PAINTING PROCEDURE	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00434	USSL RESPONSIBLE PEOPLE LIST, TITLE AND RESPONSIBILITY	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00435	USSL MAIN EQUIPMENT LIST	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00436	MANUAL	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00437	USSL PROJECTS LIST (EXPERIENCE)	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00438	USSL VISUAL EXAMINATION PROCEDURE	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00439	USSL LIST OF CERTIFIED WELDERS	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00440	USSL VISUAL INSPECTORS	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00441	USSL WELDING PROCEDURE SPECIFICATIONS	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00473	USSL WELDING PROCEDURE SPECIFICATION	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00474	USSL WELDING PROCEDURE SPECIFICATION	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00475	USSL WELDING PROCEDURE SPECIFICATION	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00476	USSL WELDING PROCEDURE SPECIFICATION	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00477	USSL WELDING PROCEDURE SPECIFICATION	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00478	USSL WELDING PROCEDURE SPECIFICATION	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00481	USSL WELDING PROCEDURE SPECIFICATION	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00482	USSL WELDING PROCEDURE SPECIFICATION	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00483	USSL WELDING PROCEDURE SPECIFICATION	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00491	VISION MECHANICAL - WELDER QUALIFICATION TEST RECORD - WILIE WISL	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00492	VISION MECHANICAL - WELDER QUALIFICATION TEST RECORD - JOSEPH SEXTON	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00493	VISION MECHANICAL - WELDER QUALIFICATION TEST RECORD - STEPHEN HACHS	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00494	LAFFRENIERE	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00496	DEHERREIRA	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00498	VISION MECHANICAL - WELDER QUALIFICATION TEST RECORD - MIKE HAWKINS	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00498	VISION MECHANICAL - WELDER QUALIFICATION TEST RECORD - WILLIAM WISL	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00498	VISION MECHANICAL - WELDER QUALIFICATION TEST RECORD - MIKE HAWKINS	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00500	LAFFRENIERE	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00501	DEHERREIRA	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00502	VISION MECHANICAL - WELDER QUALIFICATION TEST RECORD - JOSEPH SEXTON	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00503	VISION MECHANICAL - WELDER QUALIFICATION TEST RECORD - STEPHEN HACHS	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00503	VISION MECHANICAL - MAGNETIC PARTICLE EXAMINATION	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00504	VISION MECHANICAL - MATERIAL SAFETY DATA SHEET	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00504	VISION MECHANICAL - NEW PERSONNEL INSPECTOR - JUAN F MUNOZ	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00505	VISION MECHANICAL - NEW PROCEDURE - VISUAL EXAMINATION	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00506	PERSONNEL	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00507	VISION MECHANICAL - BLASTING AND PAINTING PROCEDURE	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00508	INFORMATION	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00509	VISION MECHANICAL - NEW PROCEDURE - RADIOGRAPHIC EXAMINATION	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00501	VISION AIR HVAC - WELDING PROCEDURE SPEC	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00506	VISION AIR - WELDING PROCEDURE SPEC	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00506	VISION AIR - WELDING PROCEDURE SPEC	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00573	VISION AIR HVAC - WELDING PROCEDURE SPEC	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00771	VISION - APPLICATION FOR APPROVED FABRICATORS	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00504	VINA HALLA - PHAM XUAN DINH	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00505	VINA HALLA - DYE PENETRANT TESTING PROCEDURE	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00506	VINA HALLA - QUALITY CONTROL PROCEDURE	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00507	VINA HALLA - MAGNETIC PARTICLE TESTING PROCEDURE	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00508	VINA HALLA - LIST OF NEW PERSONNEL FOR PROJECTS	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00509	VINA HALLA - QUALITY CONTROL PROCEDURE	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00510	VINA HALLA - TABLE OF CERTIFIED WELDER AND WELDING OPERATOR	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00511	VINA HALLA - RADIOGRAPHIC TESTING PROCEDURE	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00512	VINA HALLA - WELDING PROCEDURE SPEC	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00513	VINA HALLA - WELDING PROCEDURE SPEC	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00514	VINA HALLA - WELDING PROCEDURE SPEC	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00515	VINA HALLA - WELDING PROCEDURE SPEC	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00516	VINA HALLA - WELDING PROCEDURE SPEC	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00517	VINA HALLA - WELDING PROCEDURE SPEC	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00518	VINA HALLA - WELDING PROCEDURE SPEC	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00519	VINA HALLA - QUALITY PROCEDURE	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00520	VINA HALLA - LIST OF CERTIFIED VISUAL EXAMINER	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00521	RECORD	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00512	VINA HALLA CERTIFICATIONS - NGUYEN BAO KHUE	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00514	VINA HALLA CERTIFICATIONS - LUU THANH TUAN	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00515	VINA HALLA CERTIFICATIONS - HUONG HUY HAI	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00516	VINA HALLA CERTIFICATIONS - NGUYEN XUAN THAI	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-V1A-MCAA-00517	VINA HALLA CERTIFICATIONS - NGUYEN XUAN THANH	Vendor			Y



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00018	VINA HALLA CERTIFICATIONS - TRUAM DINH THUY	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00018	VINA HALLA CERTIFICATIONS - PHUAM HOANG VU	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00020	VINA HALLA CERTIFICATIONS - NGUYEN NGUYEN NGHIA	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00021	VINA HALLA CERTIFICATIONS - NGUYEN TRUNG TINH	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00022	VINA HALLA CERTIFICATIONS - NGO DINH GIAP	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00023	VINA HALLA - APPLICATION FOR APPROVED FABRICATORS	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00025	GOODHART AND SONS, INC. NDE TECH CERTIFICATE - GARY A WOLF	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00025	GOODHART AND SONS, INC. NDE TECH CERTIFICATE - JOHN R HASSETT	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00024	GOODHART AND SONS, INC. NDE TECH CERTIFICATE - JUAN X ESPADA	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00025	GOODHART AND SONS, INC. CWI CERT DAVID P KRNER	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00026	GOODHART AND SONS, INC. CWI CERT HENRY L KLOBER	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00027	GOODHART AND SONS, INC. WELDER QUALIFICATIONS - ANGLE ORTIZ	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00028	GOODHART AND SONS, INC. WELDER QUALIFICATIONS - KYLE HOFMAN	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00029	GOODHART AND SONS, INC. WELDER QUALIFICATIONS - MARK HOYER	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00030	GOODHART AND SONS, INC. WELDER QUALIFICATIONS - MATT WINTER	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00031	GOODHART AND SONS, INC. FABRICATION OPERATIONS DRG CHART	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00032	GOODHART AND SONS, INC. WELDER QUALIFICATIONS - PAUL GOSCH	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00033	GOODHART AND SONS, INC. WELDER QUALIFICATIONS - PAUL ROTEN	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00034	GOODHART AND SONS, INC. WELDER QUALIFICATIONS - BILL ANGERMEIER	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00035	GOODHART AND SONS, INC. WELDER QUALIFICATIONS - BEN NISSELY	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00036	GOODHART AND SONS, INC. WELDER QUALIFICATIONS - QUANE MILLER	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00037	GOODHART AND SONS, INC. WELDER QUALIFICATIONS - DOUG WEAVER	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00038	GOODHART AND SONS, INC. WELDER QUALIFICATIONS - GREG BEATTY	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00039	GOODHART AND SONS, INC. WELDER QUALIFICATIONS - GEORGE DENLINGER	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00040	GOODHART AND SONS, INC. WELDER QUALIFICATIONS - HOI LAM	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00041	GOODHART AND SONS, INC. WELDER QUALIFICATIONS - HER MOLLA	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00043	PROCEDURE QUALIFICATION RECORD	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00044	PROCEDURE QUALIFICATION RECORD	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00045	PROCEDURE QUALIFICATION RECORD	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00046	GOODHART AND SONS, INC. WELD PROCEDURE SPEC	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00047	GOODHART AND SONS, INC. WELD PROCEDURE SPEC	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00048	GOODHART AND SONS, INC. WELD PROCEDURE SPEC	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00049	GOODHART AND SONS, INC. INSPECTION AND TEST PLAN	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00050	INSPECTION	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00051	GOODHART AND SONS, INC. QUALITY CONTROL MANUAL	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00052	WITH ASME SECTION V, ARTICLE 3	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00053	GOODHART AND SONS, INC. VISUAL TESTING EXAMINATION PROCEDURE VT-1	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00072	STATUS	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00043	POSCO - QUALIFIED WELDER LIST AND WPQR - HOANG KHAT HOANG	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00043	POSCO - QUALIFIED WELDER LIST AND WPQR - NGUYEN VAN CHANH	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00044	POSCO - QUALIFIED WELDER LIST AND WPQR - NGUYEN VAN HANH	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00045	POSCO - QUALIFIED WELDER LIST AND WPQR - NGUYEN VAN TUAN	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00046	POSCO - QUALIFIED WELDER LIST AND WPQR - TRAN XUAN HUAN	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00047	POSCO - QUALIFIED WELDER LIST AND WPQR - NGUYEN VAN TUANG	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00048	POSCO - QUALIFIED WELDER LIST AND WPQR - LE VAN NAM	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00049	POSCO - QUALIFIED WELDER LIST AND WPQR - TRINH DUY THAI	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00050	POSCO - QUALIFIED WELDER LIST AND WPQR - BUI VAN TUAN	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00051	POSCO - QUALIFIED WELDER LIST AND WPQR - NGUYEN QUANG KHAI	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00052	POSCO - QUALIFIED WELDER LIST AND WPQR - TRAN VAN SON	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00053	POSCO - QUALIFIED WELDER LIST AND WPQR - NGUYEN DINH LONG	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00054	POSCO - QUALIFIED WELDER LIST AND WPQR - NGUYEN XUAN DOANH	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00055	POSCO - QUALIFIED WELDER LIST AND WPQR - BUI VAN NGHIA	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00056	POSCO - QUALIFIED WELDER LIST AND WPQR - NGHIEM XUAN DOANH	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00057	POSCO - QUALIFIED WELDER LIST AND WPQR - NGUYEN THE QUYEN	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00058	POSCO - QUALIFIED WELDER LIST AND WPQR - PHAM VAN DAI	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00059	POSCO - QUALIFIED WELDER LIST AND WPQR - NGUYEN ANH TUAN	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00060	POSCO - QUALIFIED WELDER LIST AND WPQR - NGUYEN VAN BACH	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00061	POSCO - QUALIFIED WELDER LIST AND WPQR - NGUYEN TRONG THEN	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00062	POSCO - QUALIFIED WELDER LIST AND WPQR - VU MINH THONG	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00063	POSCO - QUALIFIED WELDER LIST AND WPQR - DO XUAN DUAN	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00064	POSCO - QUALIFIED WELDER LIST AND WPQR - NGUYEN VAN TRAM	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00065	POSCO - QUALIFIED WELDER LIST AND WPQR - HOANG NGOC HUNG	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00066	POSCO - QUALIFIED WELDER LIST AND WPQR - CAO XUAN TAI	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00067	POSCO - QUALIFIED WELDER LIST AND WPQR - NGUYEN VAN PHU	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00068	POSCO - QUALIFIED WELDER LIST AND WPQR - TRAN VAN HAO	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00069	POSCO - QUALIFIED WELDER LIST AND WPQR - LE THO CHEN	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00070	POSCO - QUALIFIED WELDER LIST AND WPQR - PHAM VAN DUC	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00071	POSCO - QUALIFIED WELDER LIST AND WPQR - NGUYEN VAN THANG	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00072	POSCO - QUALIFIED WELDER LIST AND WPQR - NGO VAN SY	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00073	POSCO - QUALIFIED WELDER LIST AND WPQR - THAI VAN THANH	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00074	POSCO - QUALIFIED WELDER LIST AND WPQR - VU VAN DAI	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00075	POSCO - QUALIFIED WELDER LIST AND WPQR - NGUYEN DINH HUNG	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00076	POSCO - QUALIFIED WELDER LIST AND WPQR - DINH VAN DUNG	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00077	POSCO - QUALIFIED WELDER LIST AND WPQR - LE NGOC TU	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00078	POSCO - QUALIFIED WELDER LIST AND WPQR - PHAM VAN BINH	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00079	POSCO - QUALIFIED WELDER LIST AND WPQR - TRAN HUU LUONG	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00080	POSCO - QUALIFIED WELDER LIST AND WPQR - NGUYEN HUU TAN	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00081	POSCO - QUALIFIED WELDER LIST AND WPQR - TAN VAN BACH	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00082	POSCO - QUALIFIED WELDER LIST AND WPQR - TAN VAN BACH	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00083	POSCO - NDE PERFORMANCE QUALIFIED	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00084	POSCO - NDE PERFORMANCE QUALIFIED - TRINH NGOC HAO	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00085	POSCO - NDE PERFORMANCE QUALIFIED - PHAM DA LUONG	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00086	POSCO - NDE PERFORMANCE QUALIFIED - TRUONG MINH NHUONG	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00087	POSCO - NDE PERFORMANCE QUALIFIED - MAI NGOC TAI	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00088	POSCO - NDE PERFORMANCE QUALIFIED - NGO VAN THANG	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00089	POSCO - NDE PERFORMANCE QUALIFIED - VAN VU HUNG ANH	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00090	POSCO - NDE PERFORMANCE QUALIFIED - YAN TENG YEO	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00091	POSCO - NDE PERFORMANCE QUALIFIED - YOUNG JAI LEE	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00092	POSCO - CERTIFICATE OF WELDING INSPECTION - HO TRONG PHAP	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00093	POSCO - CERTIFICATE OF WELDING INSPECTION - NGUYEN HUU THANG	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00094	POSCO - CERTIFICATE OF WELDING INSPECTION - NGUYEN HUU THANG	Vendor			Y



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00023	POSCO - QUALITY PROCEDURE - FABRICATION	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00024	POSCO - QUALITY PROCEDURE - HOT DIP GALVANIZING	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00025	POSCO - E AND C - VIETNAM ORGANIZATION CHART	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00026	POSCO - LIQUID PENETRANT EXAMINATION PROCEDURE ASME	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00027	POSCO - MAGNETIC EXAMINATION PROCEDURE ASME	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00028	POSCO - QUALITY MANAGEMENT MANUAL	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00029	POSCO - PROJECT QUALITY CONTROL	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00030	POSCO - QA AND QC ORGANIZATION CHART	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00031	POSCO - QUALITY CONTROL PLAN FOR DUCT	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00032	POSCO - RADIOGRAPHIC EXAMINATION PROCEDURE ASME	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00033	POSCO - ULTRASONIC EXAMINATION PROCEDURE ASME	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00034	POSCO - QUALITY PROCEDURE - VISUAL EXAMINATION	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00035	POSCO - QUALITY PROCEDURE - REPAIR WELDING	Vendor			Y
FAB-1		Reference	Mechanical	Document	25542-000-VIA-MEAA-00036	POSCO - QUALITY PROCEDURE - WPS AND POR	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00769	POSCO - APPLICATION FOR APPROVED FABRICATORS	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00037	ST GEORGE STEEL - DRY POWDER MAGNETIC PARTICLE INSPECTION	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00038	ST GEORGE STEEL - WELDING PROCEDURE SPEC	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00039	ST GEORGE STEEL - BLAST AND PAINT PROCEDURE	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00040	ST GEORGE STEEL - LIQUID PENETRANT PROCEDURE	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00041	ST GEORGE STEEL - HOT INSPECTORS LIST AND CERTIFICATES	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00042	ST GEORGE STEEL - QUALIFIED WELDER LIST AND WELDER CERTIFICATES	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00043	ST GEORGE STEEL - QUALITY CONTROL MANUAL	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00044	ST GEORGE STEEL - RADIOGRAPHIC PROCEDURES	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00045	ST GEORGE STEEL - SHIPPING HANDLING AND DR STORAGE PROCEDURES	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00046	ST GEORGE STEEL - ULTRASONIC INSPECTION OF WELDS	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00047	ST GEORGE STEEL - VISUAL INSPECTION PROCEDURE	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00048	ST GEORGE STEEL - WELDING CERTIFICATE - RICK BIRD	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00049	ST GEORGE STEEL - QUALITY CONTROL MANUAL EXHIBITS	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00050	ST GEORGE STEEL - WELDING CERTIFICATE - ALAN ASHBY	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00051	ST GEORGE STEEL - VISUAL ACTIVITY RECORD - TAVITA TURPIN	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00052	ST GEORGE STEEL - VISUAL ACTIVITY RECORD - RICK BIRD	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00773	ST GEORGE STEEL - APPLICATION FOR APPROVED FABRICATOR STATUS	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00081	APPLICATION FOR APPROVED FABRICATOR STATUS	Vendor			Y
FAB-1		Approval	Mechanical	Document	25542-000-VIB-MUVE-00100	APPLICATION FOR APPROVED FABRICATOR STATUS - CJD ASSOCIATES	Vendor			Y
FAB-1		Approval	Mechanical	Application	25542-000-VIA-S501-00041	Henshberger Bros. Application for Approved Fabricators Status - Cover Letter	Vendor			Y
FAB-1		Approval	Mechanical	Application	25542-000-VIA-S501-00043	Henshberger Bros. - Quality Control Program - QA/QC Manual	Vendor			Y
FAB-1		Approval	Mechanical	Application	25542-000-VIA-S501-00050	Henshberger Bros Welding Inc. Certification	Vendor			Y
FAB-1		Approval	Mechanical	Application	25542-000-VIA-S501-00061	SE Aluminum/ Stainless Steel	Vendor			Y
FAB-1		Approval	Mechanical	Application	25542-000-VIA-S501-00062	Renewal Confirmation - Clark County Approved Fabricator - Henshberger Bros. Welding, Inc.	Vendor			Y
FAB-1		Approval	Mechanical	Application	25542-000-VIA-S501-00075	American Welding Society - Philby Jackson - Certification - QC Manager Qualifications	Vendor			Y
FAB-1		Approval	Civil	Application	25542-000-VTD-S501-00006	APPLICATION FOR APPROVED FABRICATOR - QUALITY CONTROL MANUAL	Vendor			Y
FAB-1		Approval	Civil	Application	25542-000-VTD-S501-00002	APPLICATION FOR APPROVED FABRICATOR STATUS	Vendor			Y
FAB-1		Reference	Civil	Application	25542-000-VTC-S501-00028	APPLICATION FOR APPROVED FABRICATOR - QUALITY CONTROL PROGRAM	Vendor			Y
FAB-1		Approval	Civil	Application	25542-000-VTC-S501-00030	APPLICATION FOR APPROVED FABRICATOR STATUS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00010	ELEVATOR GENERAL ARRANGEMENT	Vendor	SUPERSEDED		Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00021	PROTECTION SCREEN AT ELEVATOR FRAMEWORK TO SUPPORT SCREENS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00022	PROTECTION SCREEN AT ELEVATOR FRAMEWORK TO SUPPORT SCREENS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00023	PROTECTION SCREEN AT ELEVATOR FRAMEWORK TO SUPPORT SCREENS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00024	PROTECTION SCREEN AT ELEVATOR FRAMEWORK TO SUPPORT SCREENS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00025	PROTECTION SCREEN AT ELEVATOR FRAMEWORK TO SUPPORT SCREENS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00026	PROTECTION SCREEN ATTACHMENT - LEVEL 439FT-0 IN PLUS SCREEN DETAILS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00033	PROTECTION SCREEN ATTACHMENT - LANDING 451FT-3IN	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00034	PROTECTION SCREEN ATTACHMENT - LANDINGS 460FT-7IN	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00035	PROTECTION SCREEN ATTACHMENT - LANDINGS 472FT-3IN	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00036	PROTECTION SCREEN ATTACHMENT - LANDINGS 481FT-6IN	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00037	PROTECTION SCREEN ATTACHMENT - LANDINGS 500FT-10IN	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00040	ELECTRICAL SCHEMATICS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00041	MOTOR DATA SHEET	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00043	ELEVATOR STATIC CALCULATION	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00054	ELEVATOR IVANPAH SH2750US A002451	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00055	ELEVATOR AND TRANSPORT IVANPAH SH2750US A002451	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00056	AS-BUILT EQUIPMENT SH2750US A002451	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00067	LANDINGS SH2750US A002451	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00068	BASE ENG.CDR/RE SH2750US A002451	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00069	A-DOOR VR1250 AS-BUILT SH2750US A002451	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00060	MAST 680X 2006.3	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00061	CALCULATION OF BASE ANCHORS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00062	BUFFER CALCULATION	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00068	PROTECTION SCREEN ATTACHMENT - LANDINGS 472FT-3IN	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00069	PROTECTION SCREEN ATTACHMENT - LANDINGS 500FT-10IN	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00070	PROTECTION SCREENS AT ELEVATOR SCREEN DETAILS AND CONNECTIONS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00071	PROTECTION SCREENS AT ELEVATOR SCREEN CONNECTIONS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00072	CALCULATION: SCREENS AT TOWER ELEVATOR AND SUPPORTING STRUCTURE	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00073	PROTECTION SCREEN AT ELEVATOR SCREEN CONNECTIONS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00074	PROTECTION SCREEN ATTACHMENT	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00075	IVANPAH ELEVATOR PLATFORM	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-ACE0-00079	CALCULATIONS FOR ELEVATOR MEZZANINE	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-AK00-00134	STRUCTURAL GENERAL NOTES	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-AK00-00135	STRUCTURAL SPECIAL INSPECTION NOTES AND TABLES	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-AK00-00136	STRUCTURAL SPECIAL INSPECTION NOTES AND TABLES	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-AK00-00137	STRUC OVERALL ARRANGEMENT PLAN HELIOSTAT ASSEMBLY FACILITY	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-AK00-00138	STRUC EQUIPMENT ARRANGEMENT PLAN HELIOSTAT ASSEMBLY BUILDING	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-AK00-00139	STRUC EQUIPMENT ARRANGEMENT PAD BONDING BUILDINGS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-AK00-00140	STRUC HR OFFLOAD STATION PARTIAL PLAN	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-AK00-00141	STRUC CABLE TRAY/PIPING SUPPORT PLAN	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-AK00-00142	STRUC CABLE TRAY/PIPING SUPPORT PLAN	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-AK00-00143	STRUC MISC LAYOUT PLANS HELIOSTAT ASSEMBLY BUILDING	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-AK00-00144	STRUC MISC LAYOUT PLANS HELIOSTAT ASSEMBLY BUILDING	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-AK00-00145	STRUC POST-INSTALLED ANCHOR DETAILS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-AK00-00146	STRUC METAL STUD WALL SECTION AND ELEVATIONS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-AK00-00147	STRUC METAL STUD WALL SECTION AND ELEVATIONS	Vendor			Y



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
STRUC-1		Approval	Civil	Document	25542-000-VIA-AK00-00148	STRUC SECTION AND DETAILS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-AK00-00149	STRUC SECTION AND DETAILS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-AK00-00150	STRUC CANOPY SUPPORT PLAN	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-AK00-00161	SUPPORT FRAME DETAILS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-AK00-00302	STRUC EQUIPMENT ANCHORAGE SECTIONS AND DETAILS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-AK00-00303	STRUC EQUIPMENT ANCHORAGE SECTIONS AND DETAILS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-AK00-00304	STRUC EQUIPMENT ANCHORAGE SECTIONS AND DETAILS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-AK00-00305	STRUC EQUIPMENT ANCHORAGE SECTIONS AND DETAILS	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00001	ADMIN BUILDING - STRUCTURAL DETAILS	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00002	ADMIN BUILDING - STRUCTURAL DETAILS	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00003	ADMIN BUILDING - COLD FORM DETAILS	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00004	ADMIN BUILDING - SHEETING DETAILS	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00005	ADMIN BUILDING - SHEETING DETAILS	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00006	ADMIN BUILDING - COVER SHEET	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00007	ADMIN BUILDING - SPECIAL INSPECTION	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00008	ADMIN BUILDING - ANCHOR ROD PLAN	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00009	ADMIN BUILDING - ANCHOR ROD DETAILS	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00010	ADMIN BUILDING - ROOF FRAMING PLAN	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00011	ADMIN BUILDING - CANOPY PLANS	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00012	ADMIN BUILDING - ROOF SHEETING PLAN	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00013	ADMIN BUILDING - CRANE FRAMING PLAN	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00014	ADMIN BUILDING - WALL ELEVATIONS	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00015	ADMIN BUILDING - WALL ELEVATIONS	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00016	ADMIN BUILDING - WALL SHEETING PLAN	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00017	ADMIN BUILDING - WALL SHEETING PLAN	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00018	ADMIN BUILDING - WALL SHEETING PLAN	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00019	ADMIN BUILDING - BUILDING CROSS SECTION	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00020	STRUCTURAL CALCULATIONS - GEN	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00025	FACILITY ADMIN BUILDING - STRUCTURAL GENERAL NOTES	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00026	FACILITY ADMIN BUILDING - STRUCTURAL GENERAL NOTES	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00027	FACILITY ADMIN BUILDING - STRUCTURAL GENERAL NOTES AND ABBREVI	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00028	FACILITY ADMIN BUILDING - TYPICAL CONCRETE DETAILS	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00029	FACILITY ADMIN BUILDING - TYPICAL CONCRETE DETAILS	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00030	FACILITY ADMIN BUILDING - TYPICAL MASONRY DETAILS	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00031	FACILITY ADMIN BUILDING - TYPICAL LIGHT GAGE METAL SHEET DETAILS	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00032	FACILITY ADMIN BUILDING - TYPICAL LIGHT GAGE METAL SHEET DETAILS	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00033	FACILITY ADMIN BUILDING - FOUNDATION PLAN	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00034	FACILITY ADMIN BUILDING - MEZZANINE FRAMING PLAN	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00035	FACILITY ADMIN BUILDING - REFLECTED CEILING PLAN	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00036	FACILITY ADMIN BUILDING - FOUNDATION DETAILS	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00037	FACILITY ADMIN BUILDING - FOUNDATION DETAILS	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00038	FACILITY ADMIN BUILDING - ROOF/COLING CONNECTION DETAILS ST 1	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00039	FACILITY ADMIN BUILDING - ROOF/COLING CONNECTION DETAILS ST 2	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00040	FACILITY ADMIN BUILDING - METAL DECK DETAILS	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00062	FACILITY ADMIN BUILDING	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00063	FACILITY ADMIN BUILDING	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00064	FACILITY ADMIN BUILDING	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00065	FACILITY ADMIN BUILDING	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00066	FACILITY ADMIN BUILDING	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00067	FACILITY ADMIN BUILDING	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00068	FACILITY ADMIN BUILDING	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00069	FACILITY ADMIN BUILDING	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00070	FACILITY ADMIN BUILDING	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00071	FACILITY ADMIN BUILDING	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00072	FACILITY ADMIN BUILDING	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00073	FACILITY ADMIN BUILDING	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00074	FACILITY ADMIN BUILDING	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00075	FACILITY ADMIN BUILDING	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00076	FACILITY ADMIN BUILDING	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00077	FACILITY ADMIN BUILDING	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00078	FACILITY ADMIN BUILDING	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00079	FACILITY ADMIN BUILDING	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00080	ADMIN BUILDING - CANOPY SHEETING PLANS	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00117	FACILITY ADMIN BUILDING - FOUNDATION DETAILS	Vendor			Y
STRUC-1	G	Approval	Civil	Document	25542-000-VIA-AKBS-00118	FACILITY ADMIN BUILDING - STRUCTURAL CALCULATIONS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-AKBS-00424	CALCULATIONS - HVAC PADS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-AKBS-00452	CALCULATIONS - STAIRS AT MEZZANINE FLOOR	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-AKBS-00509	OF 1 A9.20)	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-AKBS-00514	ARCH - FACILITY ADMIN BLDG - INTERIOR DETAILS (A9.30)	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIA-FEB3-00036	STRUCTURAL CALCS - BUS DUCT SUPPORTS	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIA-FEB3-00037	12KV, 690A, 12KV/25, 1PB STRUCTURAL PLAN/UNITS 1-3	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIA-FEB3-00038	12KV, 690A, 12KV/25, 1PB STRUCTURAL SECTIONS	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIA-FEB3-00039	12KV, 690A, 12KV/25, 1PB STRUCTURAL SECTIONS	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIA-FEB3-00040	12KV, 690A, 12KV/25, 1PB STRUCTURAL SECTIONS	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIA-FEB3-00041	12KV, 690A, 12KV/25, 1PB STRUCTURAL DETAILS	Vendor			Y
STRUC-1		Reference	Electrical	Document	25542-000-VIA-FEB3-00086	EEM PRODUCTION TEST PROCEDURE FOR FINAL INSPECTION	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIA-FEB3-00096	STRUCTURAL CALCULATIONS	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIA-FEB3-00096	DESIGN CRITERIA	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIA-FEB3-00097	FRAME ASSEMBLY	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIA-FEB3-00098	EQUIPMENT CENTER - FRAME ASSEMBLY	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIA-FEB3-00099	ROOF ASSEMBLY	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIA-FEB3-00100	ROOF BOM AND CABLE TRAY DETAIL	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIA-FEB3-00101	ROOF ENGINEERING DETAILS	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIA-FEB3-00102	WALL ASSEMBLIES	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIA-FEB3-00103	WALL ASSEMBLIES	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIA-FEB3-00104	WALL COMPONENTS	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIA-FEB3-00105	WALL ENGINEERING DETAILS	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIA-FEB3-00106	BASE SHD ASSEMBLY	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIA-FEB3-00107	BASE SHD TOP PLATE	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIA-FEB3-00108	BASE SHD MOUNTING	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIA-FEB3-00109	BASE SHD ENGINEERING DETAILS	Vendor			Y



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
STRUC-1		Reference	Electrical	Document	25542-000-VIA-ECL-3-00120	WELD PROCEDURE SPECIFICATION	Vendor			Y
STRUC-1		Reference	Electrical	Document	25542-000-VIA-ECL-3-00123	EXECUTION	Vendor			Y
STRUC-1		Reference	Electrical	Document	25542-000-VIA-ECL-3-00124	QUALITY MANUAL - W/P	Vendor			Y
STRUC-1		Reference	Electrical	Document	25542-000-VIA-ECL-3-00125	AND RESPONSIBILITY	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIB-ECL3-00303	STRUCTURAL CALCULATION	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIB-ECL3-00310	STRUCTURAL CALCULATION	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIB-ECL3-00313	STRUCTURAL CALCULATION	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIB-ECL3-00314	STRUCTURAL DRAWINGS	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIB-ECL3-00318	STRUCTURAL DRAWINGS	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIB-ECL3-00323	STRUCTURAL DRAWINGS	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIB-ECL-3-00328	SUPPLEMENTAL STRUCTURAL CALCULATION	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIA-ECL03-00328	IVANPAH SOLAR UPS SYSTEM BATTERY BACK SEISMIC VERIFICATION	Vendor			Y
STRUC-1		Approval	Electrical	Document	25542-000-VIA-ECL03-00328	IVANPAH SOLAR BATTERY BACK SEISMIC VERIFICATION	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00009	CLARAGE - # 140 75 SI (100 PERCENT) SW 5130 AF FAN - GENERAL ASSEMBLY	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00010	SCM AND PERFORMANCE BLOCK	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00012	STACK GENERAL ARRANGEMENT AND ELEVATIONS - SHEET 1	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00013	STACK SECTION 1 ELEVATION, SECTIONS AND DETAILS - SHEET 2	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00020	ANCHOR BOLT ARRANGEMENT	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00030	ANCHOR BOLT ARRANGEMENT DETAILS	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00039	HORIZONTAL BOX ECONOMIZER ARRANGEMENT (MODEL BM-1818-18-21-5)	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00045	AUX BOILER BFP SKID (2 SHES) - INDUSTRIAL STEAM - GA-203254BC	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00058	STACK SECTION 2 AND 3 ELEVATION, SECTIONS AND DETAILS - SHEET 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00059	PLATFORM LAYOUTS SECTIONS AND DETAILS - SHEET 4	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00060	LADDER ELEVATIONS SECTIONS AND DETAILS - SHEET 5	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00061	TUNED MASS DAMPER PLAN SECTIONS AND DETAILS - SHEET 6	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00062	PERSONNEL PROTECTION SECTION AND DETAILS - SHEET 7	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00163	DESIGN CALCULATIONS - IES	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00222	STEAM DRUM HEAD PLATFORM AT BURNER END OF UNIT SETTING PLAN	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00346	PLATFORM DOWN SIDE OF STEAM DRUM FRAME AND GRATING PLAN	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00352	BURNER PLATFORM SETTING PLAN	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00360	BURNER ACCESS PLATFORM STRUCTURAL CALCULATION	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00361	PLATFORM BY BURNER STRUCTURAL CALCULATION	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00362	PLATFORM ALONG STEAM DRUM ABOVE FURNACE STRUCTURAL CALCULATION	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00363	STEAM DRUM HEAD PLATFORM AT TARGET END OF UNIT SETTING PLAN	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00278	PLATFORM STRUCTURAL ANALYSIS	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00296	AIR INLET SUPPORT OR INTEL DUCT ANALYSIS	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00344	BOILER BASE BEAM SIZING	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00345	BOILER OUTLET TO ECONOMIZER DUCT SUPPORT CALCULATION	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00346	FD FAN OUTLET EVASE DUCT SUPPORT CALCULATION	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00347	ECONOMIZER OUTLET STACK DUCT SUPPORT CALCULATION	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00366	BASE PLATE LOADING CALCULATIONS - PUMP SKID	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00367	BASE PLATE LOADING CALCULATIONS - FAN SKID	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00368	ECONOMIZER STRUCTURE	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBHD-00002	AUXILIARY STEAM SUPERHEATER	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MBHS-00027	FOUNDATION LOAD CALCULATION FOR STEAM SUPERHEATER	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBIST-00209	UPPER	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBIST-00210	UPPER	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBIST-00211	UPPER	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBIST-00212	LOWER	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBIST-00213	LOWER	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBIST-00214	LOWER	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBIST-00215	LOWER	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBIST-00236	SUPPORT LOAD REPORT FOR RPI CONTRACT	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBIST-00247	UPPER	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBIST-00248	UPPER	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBIST-00249	UPPER	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBIST-00250	UPPER	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBIST-00251	LOWER	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBIST-00252	LOWER DETAILS PANEL	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBIST-00253	LOWER DETAILS PANEL	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBIST-00254	LOWER DETAILS PANEL	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBIST-01807	UPPER DETAILS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBIST-01908	UPPER DETAILS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBIST-01909	LOWER DETAILS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBIST-01910	SHIPPING COMPONENT	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBIST-03105	SOLAR RECEIVER SUPPORT VALIDATION CALCULATIONS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBIST-03126	SOUTHWEST METEO BOARD QUALIFICATION TESTING FINAL REPORT	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBIST-03186	APPLICATION OF ALTERNATE MATERIALS OR METHODS OF CONSTRUCTION	Vendor	000-VIA-MBIST-00012		Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBIST-00012	APPLICATION OF ALTERNATE MATERIALS OR METHODS OF CONSTRUCTION	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MCAA-00001	AIR COOLED CONDENSER	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MCAA-00002	AIR COOLED CONDENSER	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MCAA-00003	AIR COOLED CONDENSER	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MCAA-00006	AIR COOLED CONDENSER	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MCAA-000181	ACC - ERECTION QUALITY CONTROL PLAN	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MCAA-00004	EQUIPMENT SHEET 1	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MCAA-00046	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MCAA-00054	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MCAA-00055	ACC CONDENSATE TANK PLATFORM CALC NOTE (JOCP)	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MCAA-00075	IVANPAH CONDENSATE TANK CALCULATION NOTE	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MCAA-00076	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MCAA-00078	AIR COOLED CONDENSER	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MCAA-00083	ACC ERECTION DRAWING DETAILS 176 TO 182	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MCAA-00097	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MCAA-00098	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MCAA-00099	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MCAA-00100	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MCAA-00101	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MCAA-00102	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MCAA-00103	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MCAA-00104	AIR COOLED CONDENSER ERECTION DRAWING	Vendor			Y

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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00445	ACC - TOP ELBOW DETAIL - SD-701	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00446	ACC - RISER DUCT DETAIL - SD-702	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00447	ACC - RISER DUCT DETAIL - SD-703	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00448	ACC - RISER DUCT DETAIL - SD-704	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00449	ACC - SADDLE DETAIL - SD-710	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00450	ACC - SADDLE DETAIL - SD-711	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00451	ACC - SADDLE DETAIL - SD-712	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00452	ACC - SADDLE DETAIL - SD-713	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00453	ACC - PRESSURE POINT ARRANGEMENTS - ELEVATION - SD-714	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00454	ACC - SADDLE DETAIL - SD-715	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00455	ACC - SADDLE DETAIL - SD-716	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00456	ACC - SADDLE DETAIL - SD-717	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00457	ACC - SADDLE DETAIL - SD-718	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00458	ACC - BFPT STEAM DUCT DETAIL - SD-719	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00459	ACC - BFPT STEAM DUCT DETAIL - SD-720	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00460	ACC - BFPT STEAM DUCT DETAIL - SD-722	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00461	ACC - MANHOLE DETAIL - SD-724	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00462	ACC - DRAIN POT DETAIL - SD-725	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00684	ASM STEAM MANIFOLD STREET 1 - SHEET 1 OF 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00685	ASM STEAM MANIFOLD STREET 1 - SHEET 2 OF 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00686	ASM STEAM MANIFOLD STREET 1 - SHEET 3 OF 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00687	ASM STEAM MANIFOLD STREET 2 - SHEET 1 OF 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00688	ASM STEAM MANIFOLD STREET 2 - SHEET 2 OF 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00689	ASM STEAM MANIFOLD STREET 2 - SHEET 3 OF 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00690	ASM STEAM MANIFOLD STREET 3 - SHEET 1 OF 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00691	ASM STEAM MANIFOLD STREET 3 - SHEET 2 OF 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00692	ASM STEAM MANIFOLD STREET 3 - SHEET 3 OF 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00693	SECTIONS - SD-801 - SHEET 1 OF 2	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00694	SECTIONS - SD-801 - SHEET 2 OF 2	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00695	ACC - TURBINE EXHAUST DUCT DETAILS (2800) - SD-706 - SHEET 1 OF 2	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00696	ACC - TURBINE EXHAUST DUCT DETAILS (2800) - SD-706 - SHEET 2 OF 2	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00697	ACC - TURBINE EXHAUST DUCT DETAIL - SD-706 - SHEET 1 OF 6	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00698	ACC - TURBINE EXHAUST DUCT DETAIL - SD-706 - SHEET 2 OF 6	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00699	ACC - TURBINE EXHAUST DUCT DETAIL - SD-706 - SHEET 3 OF 6	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00700	ACC - TURBINE EXHAUST DUCT DETAIL - SD-706 - SHEET 4 OF 6	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00701	ACC - TURBINE EXHAUST DUCT DETAIL - SD-706 - SHEET 5 OF 6	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00702	ACC - TURBINE EXHAUST DUCT DETAIL - SD-706 - SHEET 6 OF 6	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00703	ACC - TURBINE EXHAUST DUCT DETAIL - SD-707 - SHEET 1 OF 6	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00704	ACC - TURBINE EXHAUST DUCT DETAIL - SD-707 - SHEET 2 OF 6	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00705	ACC - TURBINE EXHAUST DUCT DETAIL - SD-707 - SHEET 3 OF 6	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00706	ACC - TURBINE EXHAUST DUCT DETAIL - SD-707 - SHEET 4 OF 6	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00707	ACC - TURBINE EXHAUST DUCT DETAIL - SD-707 - SHEET 5 OF 6	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00708	ACC - TURBINE EXHAUST DUCT DETAIL - SD-707 - SHEET 6 OF 6	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00709	ACC - TURBINE EXHAUST DUCT DETAIL - SD-708 - SHEET 1 OF 6	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00710	ACC - TURBINE EXHAUST DUCT DETAIL - SD-708 - SHEET 2 OF 6	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00711	ACC - TURBINE EXHAUST DUCT DETAIL - SD-708 - SHEET 3 OF 6	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00712	ACC - TURBINE EXHAUST DUCT DETAIL - SD-708 - SHEET 4 OF 6	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00713	ACC - TURBINE EXHAUST DUCT DETAIL - SD-708 - SHEET 5 OF 6	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00714	ACC - TURBINE EXHAUST DUCT DETAIL - SD-708 - SHEET 6 OF 6	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00715	ACC - TURBINE EXHAUST DUCT DETAIL - SD-709 - SHEET 1 OF 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00716	ACC - TURBINE EXHAUST DUCT DETAIL - SD-709 - SHEET 2 OF 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00717	ACC - TURBINE EXHAUST DUCT DETAIL - SD-709 - SHEET 3 OF 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00718	ACC - BFPT STEAM DUCT DETAIL - SD-721 - SHEET 1 OF 2	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00719	ACC - BFPT STEAM DUCT DETAIL - SD-721 - SHEET 2 OF 2	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00720	ACC - BYPASS DUCT DETAIL - SD-723 - SHEET 1 OF 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00721	ACC - BYPASS DUCT DETAIL - SD-723 - SHEET 2 OF 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00722	ACC - BYPASS DUCT DETAIL - SD-723 - SHEET 3 OF 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00723	ACC - BLANK PLATE DETAIL - SD-726 - SHEET 1 OF 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00724	ACC - BLANK PLATE DETAIL - SD-726 - SHEET 2 OF 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00725	ACC - BLANK PLATE DETAIL - SD-726 - SHEET 3 OF 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00726	ACC - SADDLE DETAIL - SD-727 - SHEET 1 OF 2	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00727	ACC - SADDLE DETAIL - SD-727 - SHEET 2 OF 2	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MEAA-00728	DESIGN NOTE FOR TED BASE PLATE	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBST-00732	LOWER	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBST-00733	LOWER	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBST-00734	LOWER	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBST-00735	LOWER	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBST-01907	UPPER	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBST-01908	UPPER	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBST-01909	LOWER	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBST-01910	SHIPPING COMPONENT	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBST-00139	SOUTHWEST METRO BOARD QUALIFICATION TESTING FINAL REPORT	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MEAA-00089	CARBON STEEL USED FOR STEEL STRUCTURE AND DUCTING	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MCED-00094	EDG PAD LAYOUT	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MCED-00095	EDG ASSEMBLY DRAWING	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MCED-00096	EDG ELEVATION DRAWING	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MCED-00097	EDG WALLTRUSS DETAIL	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MCED-00098	EDG ENCLOSURE ASSEMBLY	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MCED-00099	EDG TANK DETAIL	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MCED-00100	EDG MOUNTING DETAIL	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MCED-00101	RIGGING DETAIL	Vendor			Y
STRUC-1		Reference	Mechanical	Document	25542-000-VIA-MJPH-00005	ASSEMBLY DRAWING	Vendor			N
STRUC-1		Reference	Mechanical	Document	25542-000-VIA-MJPH-00006	DIMENSIONAL DRAWING	Vendor			N
STRUC-1		Reference	Mechanical	Document	25542-000-VIA-MJPH-00007	JOB CRANK FRAME	Vendor			N
STRUC-1		Reference	Mechanical	Document	25542-000-VIA-MJPH-00008	JOB CRANK HOIST	Vendor			N
STRUC-1		Approval	Civil	Document	25542-000-VIA-MPQC-00015	GENERAL ARRANGEMENT - MOTOR DRIVEN BOILER FEED PUMP SET	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MPQC-00118	PE CALCULATIONS, STRUCTURAL	Vendor			Y
STRUC-1		Reference	Mechanical	Document	25542-000-VIA-MPPM-00012	FEED SYSTEM MECHANICAL LAYOUT - SHEET 1	Vendor			Y
STRUC-1		Reference	Mechanical	Document	25542-000-VIA-MPPM-00013	FEED SYSTEM MECHANICAL LAYOUT - SHEET 2	Vendor			Y
STRUC-1		Reference	Mechanical	Document	25542-000-VIA-MPPM-00014	SYSTEM MECHANICAL LAYOUT - SHEET 3	Vendor			Y
STRUC-1		Reference	Mechanical	Document	25542-000-VIA-MPPM-00015	SYSTEM MECHANICAL LAYOUT - SHEET 4	Vendor			Y



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
STRUC-1		Reference	Mechanical	Document	25542-000-VIA-MPPM-00016	SODIUM HYPOCHLORITE/CHEMICAL FEED SYSTEM/MECHANICAL LAYOUT	Vendor			Y
STRUC-1		Reference	Mechanical	Document	25542-000-VIA-MPPM-00017	WSAC CORROSION INHIBITOR CHEMICAL FEED SYSTEM MECHANICAL LAYOUT	Vendor			Y
STRUC-1		Reference	Mechanical	Document	25542-000-VIA-MPPM-00018	WSAC DIFFERANT CHEMICAL FEED SYSTEM MECHANICAL LAYOUT	Vendor			Y
STRUC-1		Reference	Mechanical	Document	25542-000-VIA-MPPM-00019	LAYOUT	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MXSF-00002	FUEL GAS SEPARATOR BMS - SHEET 1	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MXSF-00003	FOUNDATION LOAD CALCULATION FOR FUEL GAS SEPARATOR	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MT00-00001	DEMINERALIZED WATER COMMON	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MT00-00002	DESIGN CALCULATIONS FOR AWWA D103 WATER STORAGE TANK - FIRE/RAW	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MT00-00004	WASH	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MT00-00005	DEMINERALIZED WATER STORAGE TANK 001/002/003-WD-MT-001	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MT00-00006	UNIT FIRE-RAW WATER STORAGE TANK 001/002/003-WY-MT-0001	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MT00-00007	MIRROR WASH WATER STORAGE TANK 001/002/003-WY-MT-001	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MT00-00008	COMMON AREA FIRE-RAW WATER STORAGE TANK 009-WR-MT-0001	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MT00-00009	STORAGE TANKS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MT00-00022	SPECIAL INSPECTIONS LETTER CA PE	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00005	STG FOUNDATION LOADS AND DESIGN REQUIREMENTS	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00140	FOUNDATION ANCHOR HP2S INLET	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00141	FOUNDATION ANCHOR HP2S OUTLET	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00142	FOUNDATION ANCHOR M94	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00143	FOUNDATION ANCHOR M95	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00144	FOUNDATION ANCHOR M96	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00145	FOUNDATION ANCHOR M92	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00146	EMBEDDED PLATE	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00147	FOUNDATION DETAILS SIEMENS TR1100	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00148	FOUNDATION DETAILS IP171-051 INLET	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00149	FOUNDATION DETAILS VA233, GEAR M90X6	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00150	TRANSITION PIECE C3 FOUNDATION DETAILS - SHEET 1	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00151	TRANSITION PIECE C3 FOUNDATION DETAILS - SHEET 2	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00026	STRENGTH CHECK ON EMBEDDED DETAILS	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00032	STEAM TURBINE FOUNDATION OUTLINE DRAWING - SHEET 1	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00033	STEAM TURBINE FOUNDATION OUTLINE DRAWING - SHEET 2	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00034	STEAM TURBINE FOUNDATION OUTLINE DRAWING - SHEET 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00035	STEAM TURBINE FOUNDATION OUTLINE DRAWING - SHEET 4	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00036	STEAM TURBINE FOUNDATION OUTLINE DRAWING - SHEET 5	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00037	STEAM TURBINE FOUNDATION OUTLINE DRAWING - SHEET 6	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00038	STEAM TURBINE FOUNDATION OUTLINE DRAWING - SHEET 7	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00039	TRANSITION PIECE C3 FOUNDATION DETAILS - SHEET 2	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00015	SOUND ENCLOSURE STRUCTURAL CALC	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00060	GENERAL ARRANGEMENT - SOUND ENCLOSURE - SHEET 1	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00069	GENERAL ARRANGEMENT - SOUND ENCLOSURE - SHEET 2	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00080	GENERAL ARRANGEMENT - SOUND ENCLOSURE - SHEET 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00081	GENERAL ARRANGEMENT - SOUND ENCLOSURE - SHEET 4	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00082	GENERAL ARRANGEMENT - SOUND ENCLOSURE - SHEET 5	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00071	SOUND ENCLOSURE PLAN AT GROUND LEVEL	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00072	SOUND ENCLOSURE ROOF PLAN	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00073	FRAMING ELEVATIONS - PART 1	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00074	FRAMING ELEVATIONS - PART 2	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00075	FRAMING ELEVATIONS - PART 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00076	END CONNECTION DETAILS - PART 1	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00077	END CONNECTION DETAILS - PART 2	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00078	COLUM BASE PLATES	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00079	SOUND ENCLOSURE GENERAL STRUCTURAL NOTES	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00080	STRUCTURAL STEEL INSPECTION REQUIREMENTS	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00081	PART I	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00082	PART II	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00083	PART III	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MUSG-00084	PART IV	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00084	IVANPAH LH2 HELIOSTAT MATERIAL AND FASTENER DATA SHEETS	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00085	IVANPAH PROJECT HELIOSTAT - LH2 2 DESIGN SUMMARY	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00110	LH2 2 HELIOSTAT TOP LEVEL SPECIFICATION	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00175	PLYON AND LABEL ASSEMBLY	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00206	PIED ASSEMBLY	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00239	INTERFACE UNIT WITH SHAFT ASSEMBLY	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00240	SH 2-2: HR PYLON ASSEMBLY	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00241	SUPPORT ARM ASSEMBLY (GENERIC)	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00242	MIRROR ASSEMBLY	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00243	ELEVATION DRIVE SUPPLY ASSEMBLY	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00244	A2MUTH DRIVE ASSEMBLY	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00245	WORM DRIVE SUB-ASSEMBLY	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00246	HELIOSTAT REFLECTOR - GENERIC	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00247	HELIOSTAT SUPPORT STRUCTURE ASSEMBLY	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00248	TORQUE TUBE AND ITS ASSY - GENERIC	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00249	INTERFACE UNIT ASSEMBLY	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00250	TORQUE TUBE DRILLING ASSEMBLY - GENERIC	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00251	TORQUE TUBE WELDING	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00252	DISPLACEMENT PYLON	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00253	ELEVATION DRIVE - CONNECTING PIN	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00254	CROSS BAR BLANK	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00255	PIED SPACER	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00256	PIED	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00257	INTERFACE UNIT CLAMP	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00258	ED ROD	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00259	REFLECTOR SHAFT	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00260	CYLINDER	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00261	ED PIVOT PIN	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00262	CROSS BAR REFLECTOR SHAFT	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00263	CROSS BAR-ED (LEFT)	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00264	CROSS BAR-ED (RIGHT)	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00265	DIAGONAL	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXH6-00266	SUPPORT ARM - GENERIC	Vendor			Y



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/Vendor/Owner	Remarks	Forecast Date	CBO Approved
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00267	TORQUE TUBE	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00268	INTERFACE UNIT BODY	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00269	PILE POINT	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00270	PYLON TUBE - 6N X 3.4MM LENGTH 3.6M	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00271	PYLON FIN	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00272	SWRBR (3.3M X 2.3M)	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00273	SHOULDER BRACKET	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00274	HINGE BRACKET	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00275	CYLINDER CAP	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00276	ED TIP	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00277	HEX SOCKET HEAD CAP SCREW	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00278	PREWINDING TORQUE HEX LOCK NUT	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00279	3/16IN STAYED RIVET	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00280	3/16IN AYDELOCK FASTENER - PIN	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00281	1/4IN AYDELOCK FASTENER - PIN	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00282	3/16IN AYDELOCK FASTENER - COLLAR	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00283	1/4IN AYDELOCK FASTENER - COLLAR	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00284	1/16X25 NORD LOCK BOLT AND WASHER	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00285	NEEDLE ROLLER TRUST BEARING	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00286	GLUE ADHESIVE	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00287	BALL SCREW	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00288	SWANPH POSITION TOLERANCES AND CONSTRUCTION REQUIREMENTS	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00289	SWANPH SOLAR FIELD FOUNDATION	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00290	PYLON ASSEMBLY	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00294	3 AND 6 PYLON FOUNDATIONS	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00295	LH-2 HELIOSTAT WIND TUNNEL TEST REPORT	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00301	SWANPH 2 AND 3 TECHNICAL MEMORANDUM NO. 201	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00378	TRIPLE - FINED DISPLACEMENT PYLON	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00379	PYLON FIN PIN	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00380	TRIANGULAR FIN	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00381	SPRING ARM	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00382	ANCHOR PLATE	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00383	ANCHOR BEAM	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00384	FIXATION PLATE	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00385	PRESSURE BAR	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00386	VERTICAL PLATE	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00387	GROUND ANCHOR	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00388	END PLATE ASSEMBLY	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00389	PYLON PRE-LOADER INSTALLATION	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00390	COLLAR - REMOVABLE SIDE	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00391	PLATE	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00392	COLLAR - BASE SIDE	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00393	LEAF SPRING	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00394	LH-2.2 PYLON PRE-LOADER INSTALLATION WORK INSTRUCTIONS	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VIA-MXHS-00395	APPLICATION FOR APPROVED FABRICATORS STATUS - PROSPECT STEEL	Vendor			Y
STRUC-1		Reference	Mechanical	Document	25542-000-VIA-MXHS-00396	QUALITY ASSURANCE AND QUALITY CONTROL MANUAL - PROSPECT STEEL	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MXHS-00398	SOLAR FIELD CPU SUPPORT FRAME DRAWINGS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MXHS-00399	HELIOSTAT WIND TUNNEL TEST REPORT (TRACER-110215-LH-2)	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MXHS-00404	HELIOSTAT MATERIAL AND FASTENER DATA SHEETS (30003-L2-M-S-1011, REV 2)	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MXHS-00405	HELIOSTAT DESIGN SUMMARY (30003-L2-M-S-1003, REV 2)	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MXHS-00406	HELIOSTAT DRAWINGS PACKAGE (30003-L2-M-S-1010, REV 2)	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MXHS-00407	HELIOSTAT EARTHQUAKE LOAD ANALYSIS (PROJECT 30003-LH2 2 REV A)	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MXHS-00408	HELIOSTAT WIND LOAD ANALYSIS (PROJECT 30003-LH2 2 REV A)	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MXHS-00110	LH-2.2 HELIOSTAT TOP LEVEL SPECIFICATION (30003-SF-G-S-1006, REV 1)	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MXHS-00111	STRUCTURAL CALCULATION - CPU SUPPORT FRAME	Vendor			Y
STRUC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00377	TOL BRACE SEISMIC CALCULATIONS AND MOUNTING DETAILS	Vendor			Y
STRUC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00378	TOL BRACE SEISMIC CALCULATIONS AND MOUNTING DETAILS	Vendor			Y
STRUC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00379	TOL BRACE SEISMIC CALCULATIONS AND MOUNTING DETAILS	Vendor			Y
STRUC-1		Reference	Plant Design	Document	25542-000-VIA-SY10-00002	A STUDY OF WIND EFFECTS FOR SOLAR TOWER	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-SY10-00010	DIMENSION OF PENDULUM MASS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-SY10-00012	DETAILS, SPRINGS/PENDULUMS WITH CONNECTION	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-SY10-00013	PSWT	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-SY10-00014	EXISTING STRUCTURE AND PROFILES FOR SPRINGS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-SY10-00015	EXISTING STRUCTURE WITH DAMPERS AND BORE HOLE	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-SY10-00016	SPRING CONNECTION DETAILS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-SY10-00018	SUMMARY OF DESIGN CALCULATIONS FOR GERB	Vendor			Y
STRUC-1		Reference	Civil	Document	25542-000-VIA-SY10-00032	TUNED MASS DAMPER TEST METHOD STATEMENT	Vendor			Y
STRUC-1		Reference	Civil	Document	25542-000-VIA-SY10-00033	REGARDING CBO REVIEWER'S COMMENTS	Vendor			Y
STRUC-1		Reference	Civil	Document	25542-000-VIA-SY10-00036	REGARDING CBO REVIEWER'S COMMENTS ON TEST METHOD STATEMENT	Vendor			Y
STRUC-1		Reference	Civil	Document	25542-000-VIA-SY10-00037	TEST REPORT - PRELIMINARY TUNING OF THE TMD SYSTEM UNIT 1	Vendor			Y
STRUC-1		Reference	Civil	Document	25542-000-VIA-SY10-00038	GERB RESPONSE TO CBO COMMENTS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-SY10-00039	GERB RESPONSE TO CBO COMMENTS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-SY10-00040	TEST REPORT - PRELIMINARY TUNING OF THE TMD SYSTEM UNIT 2	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-SY10-00043	TEST REPORT - PRELIMINARY TUNING OF THE TMD SYSTEM UNIT 3	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-SY10-00045	FOR THE BRGD TOWERS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-SY10-00046	TEST REPORT - WORKSHOP TEST DAMPING UNITS FOR TMD	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-SY10-00047	CBO COMMENT RESPONSE LETTER FOR STRUC-1-B 1-A PC1	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-MBST-00067	SUMMARY IVANPAH STATIONS UNIT 1 AND 2	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-U000-00001	STORAGE RACK DETAILS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VIA-U000-00002	SEISMIC ANALYSIS OF STORAGE RACKS	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-AKBS-00043	Cover Sheet - Administration Building - Fire Sprinkler	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-AKBS-00044	Mechanical Layout - Administration Building - Fire Sprinkler	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-AKBS-00045	Technical Layout - Administration Building - Fire Sprinkler	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-AKBS-00046	Panel Wiring Diagram - Administration Building - Fire Sprinkler	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-AKBS-00047	Details - Administration Building - Fire Sprinkler	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-AKBS-00048	Site Plan, Notes and Details - Administration Building - Fire Sprinkler	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-AKBS-00049	Piping Plan and Sections - Administration Building - Fire Sprinkler	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-AKBS-00050	Reflected Ceiling, Mechanical Under Floor Piping - Administration Building - Fire Sprinkler	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-AKBS-00101	HYDRAULIC CALCULATION No 01-1	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-AKBS-00106	CALCULATIONS, CENTRAL CONTROL, 100 - LEFT MAIN VOLUME	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-AKBS-00106	CALCULATIONS, CENTRAL CONTROL, 100 - RIGHT MAIN VOLUME	Vendor			Y



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/Vendor/Owner	Remarks	Forecast Date	CBO Approved
MECH-1		Approval	Mechanical	Document	25542-000-VIA-MBFD-00029	TANK DESIGN CALCULATION	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MBST-00708	SUPPORT LOAD REPORT	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-MGED-00098	UNIT - CO2 FIRE SUPPRESSION CALCULATION	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-MGED-00099	GENERATOR ENCLOSURE CO2 FIRE SUPPRESSION SYSTEM	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-MGED-00098	KIDDE AEGIS BATTERY CALCULATIONS	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-MGED-00037	COMMON - CO2 FIRE SUPPRESSION CALCULATION	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-MGED-00046	KIDDE AEGIS BATTERY CALCULATIONS	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-MGED-00050	GENERATOR ENCLOSURE CO2 FIRE SUPPRESSION SYSTEM	Vendor			Y
MECH-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00022	FEED MAIN LAYOUT	Vendor			Y
MECH-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00023	LUBE OIL RESERVOIR ENCLOSURE HYDRAULIC CALC	Vendor			Y
MECH-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00024	STEAM TURBINE BEARINGS HYDRAULIC CALC	Vendor			Y
MECH-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00027	BOILER-FED PUMP LUBE OIL SMO LAYOUT	Vendor			Y
MECH-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00028	BOILER-FED PUMP LUBE OIL SMO HYDRAULIC CALCULATION	Vendor			Y
MECH-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00034	TURBINE ENCLOSURE LAYOUT	Vendor			Y
MECH-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00035	TURBINE ENCLOSURE HYDRAULIC CALC	Vendor			Y
MECH-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00036	GSU 190MVA AND AUX 12 MVA TRANSFORMERS LAYOUT	Vendor			Y
MECH-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00037	AUX 12 MVA TRANSFORMER CALC	Vendor			Y
MECH-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00038	GSU 190MVA TRANSFORMER HYDRAULIC CALC	Vendor			Y
MECH-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00039	STATION SERVICE TRANSFORMER LAYOUT	Vendor			Y
MECH-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00040	STATION SERVICE TRANSFORMER HYDRAULIC CALC	Vendor			Y
MECH-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00070	SOLAR TOWER EXTINGUISHER DRAWINGS	Vendor			Y
MECH-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00071	STD ENCLOSURE BEARINGS LG RESERVOIR BP	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MBFD-00029	REPORT OF MAGNETIC PARTICLE EXAMINATION	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MBFD-00042	BLOWDOWN TANK	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MBFD-00048	AUX BOILER CODE COMPLIANCE LETTER	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MBFD-00050	ECONOMIZER CODE COMPLIANCE LETTER	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MBFD-00051	SUPERHEATERS, WATERWALLS, AND ECONOMIZER - UNIT 1	Vendor			Y
MECH-2		Reference	Mechanical	Document	25542-000-VIA-MBFD-00070	FORM U-1A - UNIT 3 BLOWDOWN TANK - U1A AND CODE CALC PAPERWORK	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MBFD-00071	SUPERHEATERS, WATERWALLS, AND ECONOMIZER - UNIT 2	Vendor			Y
MECH-2		Reference	Mechanical	Document	25542-000-VIA-MBFD-00078	SUPERHEATERS, WATERWALLS, AND ECONOMIZER - UNIT 3	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MBHS-00019	DESIGN CERTIFICATION - DR18289	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MBHS-00021	AUXILIARY STEAM SUPERHEATER - DR18369	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MBST-03580	UNIT 1 - ASME DATA PACKAGE	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MBST-03594	MANUFACTURERS DATA REPORT FOR FABRICATED PIPING - UNIT 1	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MBST-03596	SRSG MECH-2 SUBMITTAL - CA BUILDING OFFICIALS MECHANICAL SUBMITTAL	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MBST-03603	ENGINEERING - CONTRACTOR DATA REPORT COMPLETE BOILER UNIT - UNIT 2	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MBST-03604	MANUFACTURERS DATA REPORT FOR FABRICATED PIPING - UNIT 2 SUPERHEATER	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MBST-03605	MANUFACTURERS DATA REPORT FOR FABRICATED PIPING - UNIT 2 REHEATER	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MBST-03606	CCI MANUFACTURERS PARTIAL DATA REPORT UNIT 2	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MBST-03607	DKT DRUM MANUFACTURERS PARTIAL DATA REPORT UNIT 2	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MBST-03608	GLOBE MANUFACTURERS PARTIAL DATA REPORT UNIT 2	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MBST-03609	JH AHERN MANUFACTURERS PARTIAL DATA REPORT	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MBST-03610	SAND T SH MANUFACTURERS PARTIAL DATA REPORT	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MBST-03611	SGC MANUFACTURERS PARTIAL DATA REPORT	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MBST-03612	SUNCO PIPING MANUFACTURERS PARTIAL DATA REPORT	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MBST-03613	SUNCO MANUFACTURERS PARTIAL DATA REPORT	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MBST-03672	FORM P-3A ENGINEERING - CONTRACTOR DATA REPORT FOR A COMPLETE SOLER UNIT - UNIT 3	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MBST-03673	FORM P-4A MANUFACTURERS DATA REPORT FOR FABRICATED PIPING - UNIT 3	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MCRA-00086	120GAL VERT. AIR RECEIVER- U1A - NEW VESSELS	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MCRA-00087	2580 GAL VERT. AIR RECEIVER U1AS	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MCRA-00088	PH400 DRYER U1A CERTS	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MCRA-00089	2580 GAL VERT. AIR RECEIVER U1A	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MCRA-00075	2580 CERTIFICATE OF CONFORMITY	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MCRA-00106	PH400 COC CERTIFICATES	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MCRA-00074	120 GAL. RECEIVER COC - NEW VESSELS - STEEL FAB	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MCRA-00110	PH400 DRYER TOWER VESSELS - ASME NB TAG PHOTOS	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MCRA-00111	PHOTOS	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MCRA-00114	2580GAL VERT. RECEIVER ASME NB TAG PHOTOS	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MESW-00162	ASME DESIGN CONFIRMATION FOR LP AND HP FEEDWATER HEATERS	Vendor			Y
MECH-2		Reference	Mechanical	Document	25542-000-VIA-MESW-00163	FORM U-1 MANUFACTURERS DATA REPORT FOR FW HEATER HPS - UNIT3	Vendor			Y
MECH-2		Reference	Mechanical	Document	25542-000-VIA-MESW-00164	FORM U-1 MANUFACTURERS DATA REPORT FOR FW HEATER HP4 - UNIT 3	Vendor			Y
MECH-2		Reference	Mechanical	Document	25542-000-VIA-MESW-00165	FORM U-1 MANUFACTURERS DATA REPORT FOR FW HEATER LP2 - UNIT 3	Vendor			Y
MECH-2		Reference	Mechanical	Document	25542-000-VIA-MESW-00166	FORM U-1 MANUFACTURERS DATA REPORT FOR FW HEATER LP1 - UNIT 3	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MESW-00167	FORM U-1 MANUFACTURERS DATA REPORT FOR FW HEATER HPS - UNIT 2	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MESW-00168	FORM U-1 MANUFACTURERS DATA REPORT FOR FW HEATER HPS - UNIT 2	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MESW-00169	FORM U-1 MANUFACTURERS DATA REPORT FOR FW HEATER HP4 - UNIT 2	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MESW-00170	FORM U-1 MANUFACTURERS DATA REPORT FOR FW HEATER LP2 - UNIT 2	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MESW-00171	FORM U-1 MANUFACTURERS DATA REPORT FOR FW HEATER LP1 - UNIT 2	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MESW-00172	FORM U-1 MANUFACTURERS DATA REPORT FOR FW HEATER LP2 - UNIT 1	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MESW-00173	FORM U-1 MANUFACTURERS DATA REPORT FOR FW HEATER LP1 - UNIT 1	Vendor			Y
MECH-2		Reference	Mechanical	Document	25542-000-VIA-MESW-00174	FORM U-1 MANUFACTURERS DATA REPORT FOR FW HEATER HPS - UNIT 3	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MISX-00039	DESIGN CERTIFICATION - DRAIN TANK	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MISX-00030	DESIGN CERTIFICATION - FUEL GAS HEATER	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MISX-00031	DESIGN CERTIFICATION - FUEL GAS SEPARATOR VESSEL	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MTSC-00058	ASME DOCUMENTATION FOR SRSG BLOWDOWN TANK	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MTSC-00064	ASME DOCUMENTATION FOR CCW HEAD TANK	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MTSC-00065	ASME DOCUMENTATION FOR SRSG FLASH TANK	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MTSC-00066	ASME DESIGN LETTER	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MUSG-00420	CODE COMPLIANCE - UNIT 1	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MUSG-00421	CODE COMPLIANCE - UNIT 1	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MUSG-00422	CODE COMPLIANCE - UNIT 1	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MUSG-00423	CODE COMPLIANCE - UNIT 1	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MUSG-00424	CODE COMPLIANCE - UNIT 1	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MUSG-00315	CODE COMPLIANCE - UNIT 2	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MUSG-00316	CODE COMPLIANCE - UNIT 2	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MUSG-00317	CODE COMPLIANCE - UNIT 2	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MUSG-00318	CODE COMPLIANCE - UNIT 2	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MUSG-00319	CODE COMPLIANCE - UNIT 2	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-VIA-MUSG-00320	CODE COMPLIANCE - UNIT 2	Vendor			Y



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
MECH-2		Approval	Mechanical	Document	25542-000-V1B-MUSG-00322	CODE COMPLIANCE - UNIT 2	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-V1B-MUSG-00323	CODE COMPLIANCE - UNIT 2	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-V1B-MUSG-00324	CODE COMPLIANCE - UNIT 2	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-V1B-MUSG-00325	CODE COMPLIANCE - UNIT 2	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MVR0-00032	UNIT 001 DEAEATOR - FORM U11U2U4NAMEPLATE	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MVR0-00033	UNIT 002 DEAEATOR - FORM U11U2U4NAMEPLATE	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MVR0-00034	UNIT 003 DEAEATOR - FORM U11U2U4NAMEPLATE	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MVR0-00035	S48C-211161909290 DESIGN ENGINEER LETTER - ASME CERTIFIED DEAEATOR	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-V1A-AKBS-00107	CALCULATION, CENTRAL CONTROL, 108 - SUBFLOOR	Vendor			Y
MECH-2		Approval	Electrical	Document	25542-000-V1A-EKL3-00083	ACC, SRSG, ATG AND WT EEM HVAC SIZING CALC	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-V1A-AKBS-00108	CALCULATIONS, CONTROL EQUIPMENT 104 - CO	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00120	Consolidated Report	Vendor	Superseded by 25542-000-V1A-		N
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00121	Control Equipment Room Gasarea Fire Suppression System Calculation	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00124	Hydraulic Calculation No. C1.2	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MWDC-00109	FORM U01A MANUFACTURERS DATA REPORT FOR PRESSURE VESSELS	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MWDC-00160	CARTRIDGE FILTERS	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MWDC-00161	RE SIGNED LETTER	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MWDC-00170	FORM U-1A MANUFACTURERS DATA REPORT FOR PRESSURE VESSELS - UNIT 3	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MWDC-00171	CARTRIDGE FILTERS - UNITS 2 AND 3	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MWDC-00075	UNIT 3 ASME MANUFACTURERS DATA REPORT FOR HURST ROLLER	Vendor			Y
MECH-2		Approval	Mechanical	Document	25542-000-V1A-MWDC-00076	HURST ROLLER LETTER OF ASME CODE COMPLIANCE	Vendor			Y
MECH-2	Reference	Reference	Mechanical	Document	25542-000-V1B-MTSC-00033	FORM U-1A MANUFACTURERS DATA REPORT FOR PRESSURE VESSELS - TS, 2012	Vendor			Y
MECH-2	Reference	Reference	Mechanical	Document	25542-000-V1B-MTSC-00034	TS, 2012	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00108	ELECTRICAL ABOVE GROUND PLAN	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00109	ELECTRICAL ABOVE GROUND PLAN	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00110	ELECTRICAL ABOVE GROUND PLAN	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00111	ELECTRICAL ABOVE GROUND PLAN	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00112	ELECTRICAL ABOVE GROUND PLAN	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00113	ELECTRICAL ABOVE GROUND PLAN	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00114	ELECTRICAL CABLE TRAY PLAN	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00115	ELECTRICAL CABLE TRAY PLAN	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00116	ELECTRICAL CABLE TRAY PLAN	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00117	ELECTRICAL CABLE TRAY PLAN	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00118	ELECTRICAL CABLE TRAY PLAN	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00119	ELECTRICAL CABLE TRAY PLAN	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00120	ELECTRICAL TASK LIGHTING PLAN	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00121	ELECTRICAL TASK LIGHTING PLAN	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00122	ELECTRICAL TASK LIGHTING PLAN	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00123	ELECTRICAL TASK LIGHTING PLAN	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00124	ELECTRICAL TASK LIGHTING PLAN	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00125	ELECTRICAL TASK LIGHTING PLAN	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00126	ELECTRICAL PANEL SCHEDULE	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00127	ELECTRICAL PANEL SCHEDULE	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00128	ELECTRICAL PANEL SCHEDULE	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00129	ELECTRICAL PANEL SCHEDULE	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00130	ELECTRICAL PANEL SCHEDULE	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00131	ELECTRICAL PANEL SCHEDULE	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00132	ELECTRICAL PANEL SCHEDULE	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00133	ELECTRICAL PANEL SCHEDULE	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00226	ELECTRICAL INSTALLATION DETAILS	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00227	CABLE TRAY INSTALLATION DETAILS	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00228	CABLE TRAY INSTALLATION DETAILS	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00229	TASK LIGHTING PLAN	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00230	LIGHTING/RECEPTACLE INSTALLATION DETAILS	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00278	ELECTRICAL PANEL SCHEDULE	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AK00-00391	ELECTRICAL PANEL SCHEDULE	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00081	AND GENERAL NOTES	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00082	FACILITY ADMINISTRATION BUILDING - LIGHTING PHOTOMETRIC CALCULATIONS	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00084	FACILITY ADMINISTRATION BUILDING - ELECTRICAL LIGHTING PLAN	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00085	ENLARGED PLANS	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00086	FACILITY ADMINISTRATION BUILDING - ELECTRICAL ROOF PLAN	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00087	PANEL SCHEDULES AND CALCULATIONS	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00088	FACILITY ADMINISTRATION BUILDING - ELECTRICAL DETAILS	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-AKBS-00102	SFC AD DRAWING DETAILS - ADMINISTRATION BUILDING	Vendor			Y
ELEC-1		Approval	Electrical	Document	25542-000-V1A-FWL3-00121	SRSG LIGHT LAYOUT AND CERTIFICATE OF COMPLIANCE	Vendor			Y
ELEC-1		Approval	Electrical	Document	25542-000-V1B-FWL3-00304	WT LIGHT LAYOUT AND CERTIFICATE OF COMPLIANCE	Vendor			Y
ELEC-1		Approval	Electrical	Document	25542-000-V1B-FWL3-00312	ACC LIGHT LAYOUT AND CERTIFICATE OF COMPLIANCE	Vendor			Y
ELEC-1		Approval	Electrical	Document	25542-000-V1B-FWL3-00315	STG LIGHT LAYOUT AND CERTIFICATE OF COMPLIANCE	Vendor			Y
ELEC-1		Approval	Electrical	Document	25542-000-V1A-EU00-00275	PROTECTIVE CO-ORDINATION ANALYSIS	Vendor			Y
ELEC-1		Approval	Electrical	Document	25542-000-V1E-EU00-00033	UNIT 2 FEM LIGHTING CALCULATION	Vendor			Y
ELEC-1		Approval	Electrical	Document	25542-000-V1E-EU00-00036	UNIT 3 FEM LIGHTING CALCULATION	Vendor	Superseded by V1E-EU00-00036		N
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-MXH0-00008	IVANPAH CPDU - TYPICAL SLD	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-MXH0-00009	SF ELECTRICAL AND COMMUNICATION CABLE INSTALLATION DETAILS	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-MXH0-00012	ROOT CABLE ASSEMBLY CONCEPTUAL	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-MXH0-00013	SF CABLE ELECTRICAL INSTALLATION DETAILS	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-MXH0-00014	TRUNK CABLE ASSEMBLY CONCEPTUAL	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-MXH0-00034	IVANPAH SOLAR FIELD HELIOSTAT ELECTRICAL SYSTEM CONCEPTUAL DESIGN	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-MXH0-00037	Y CONNECTOR CONCEPTUAL PCB WIRING SCHEME	Vendor	Superseded by 25542-000-V1A-MX-		N
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-MXH0-00038	SOLAR FIELD CONNECTION SYSTEM REQUIREMENTS	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-MXH0-00048	SF CABLE ANCHORAGE LAYOUT AND TYPICAL INSTALLATION	Vendor			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXH0-00010	IVANPAH CPDU GROUNDING DETAILS	Vendor			Y
ELEC-1	NA	Reference	Electrical	Drawing	25542-000-V1A-MXH0-00035	IVANPAH SOLAR FIELD TYPICAL SUPPLY CIRCUIT VOLTAGE DROP DESCRIPTION	Vendor			Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-V1A-MXH0-00080	IVANPAH SOLAR FIELD CABLE SIZING CALCULATION	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-V1A-MXH0-00136	Y Connector Electrical SLD Conceptual	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXH0-00184	FLIR A310 CAMERA DATASHEET	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXH0-00185	ENCLOSURE	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXH0-00186	AUTO-VIMATION - CAMERA ENCLOSURES	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXH0-00188	POTWORKZ S-TYPE 2kW COOL-DOME ACTIVE COOLING CAMERA ENCLOSURE	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXH0-00189	SALAMANDER CAMERA ENCLOSURES	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXH0-00191	PROBE 2011 PRODUCTS CATALOG - DIGITAL SURVEILLANCE SYSTEMS	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-V1A-MXH0-00192	REITER - DATASHEET CONTROL ENCLOSURE CDD EN PL-044C (IN GERMAN)	Vendor			Y



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00340	CPDU PANEL CONSTRUCTION	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00341	CPDU PANEL LAYOUT	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00342	CPDU ELECTRICAL WIRING - PAGE 1	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00343	CPDU ELECTRICAL WIRING - PAGE 2	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00344	CUSTOMER DRAWING, ZONE DISTRIBUTION BOX, 8 PORT, FIBER ENCLOSURE	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00345	CUSTOMER DRAWING, ADAPTER PLATE ASSY, DUAL SC X 6, 5MM, 12 PORT	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00346	PRT, 2.5 - CPDU COMPONENTS	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00347	INDUSTRIAL CONTROL TRANSFORMER, 100VA	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00348	UNIVERSAL POWER DISTRIBUTION SYSTEM	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00349	CPDU MATERIAL SPECIFICATIONS SUBMITTAL	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00350	STS 6	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00351	ST 16	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00352	QUINT-PS/3AC/24DC'S	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00353	EMI (20X6R	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00354	GBS 5.25X12	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00355	UK 10.3-CG HEBI N 2PCS	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00356	QUINT-PS/ 3AC/ 24DC S	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00416	SOLAR FIELD JB TOWER CAMERA FARM ELECTRICAL PANEL	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00417	SOLAR FIELD CAMERA FARM ELECTRICAL PANEL	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00418	WEATHER STATION EAST ELECTRICAL PANEL	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00419	WEATHER STATION WEST ELECTRICAL PANEL	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00420	WEATHER STATION ISOLATION ELECTRICAL PANEL	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00421	WEATHER STATION TOWER ELECTRICAL PANEL	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00422	JB SERVICE CAMERA	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00423	JB TOWER SOLAR FIELD	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00508	COMMUNICATION LIGHTNING PROTECTION	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00509	BILL OF MATERIAL	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00510	DATA SHEET - LITTLE FUSE SISACTOR PROTECTION THYRISTORS	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00511	DATA SHEET - MOV-20QXXXK SERIES - METAL OXIDE VARISTOR	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00512	DATA SHEET - CEMENTED WIRE WOUND RESISTORS	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00513	DATA SHEET - SURGE ARRESTOR - 2 ELECTRODE - ARRESTOR	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00514	CPDU CPDU LIGHTING PROTECTION PHOTO	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00515	CPDU PCB	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00536	RESUME FOR ARMAND PEREZ	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00537	CPDU ELECTRICAL WIRING AND PANEL LAYOUT	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-MXH5-00538	EQUIPMENT EVALUATION AND RECOMMENDATIONS	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-VIA-MXH5-00539	AMM-CPDU SURGE PROTECTION DEVICE ON COMMUNICATION LINES	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-VIA-MXH5-00540	COMMUNICATION LINES	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00016	NETWORK INTERCONNECT CABLING BLOCK DIAGRAM	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00017	INTERCONNECT CABLING BLOCK DIAGRAM	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00018	DETAILS AND BILL OF MATERIALS	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00019	DIAGRAM	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00021	DETAILS AND BILL OF MATERIALS	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00032	WIRING DIAGRAM	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00033	DETAILS AND BILL OF MATERIALS	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00034	WIRING DIAGRAM	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00035	DETAILS AND BILL OF MATERIALS	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00036	WIRING DIAGRAM	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00037	ZONE INTERFACE BOXES	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00038	ZONE INTERFACE BOXES	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00039	ZONE INTERFACE BOXES	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00040	ZONE INTERFACE BOXES	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00048	ZONE INTERFACE BOXES	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00047	ZONE INTERFACE BOXES	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00046	VALVE AREA DEVICE LAYOUT WIRING	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00049	TURBINE ENCLOSURE AND BOILER FEED PUMP DETECTION SYSTEMS	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00050	SYSTEMS	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00058	LAYOUT AND WIRING	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00059	CENTRAL CONTROL ROOM AND TYPICAL - DEVICE LAYOUT AND WIRING	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00073	FIRE ALARM PANEL	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00074	PANEL	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00075	PANEL	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00076	PANEL	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIA-PY21-00084	TYPICAL DEVICE INSTALLATION AND WIRING DETAILS	Vendor			Y
ELEC-1		Approval	Electrical	Document	25542-000-VIB-EU00-00144	PROTECTIVE CO-ORDINATION ANALYSIS	Vendor			Y
ELEC-1		Approval	Electrical	Document	25542-000-VIB-EU00-00161	UNIT-1 EEM HOUSE CABLE LAYOUT AND CHART	Vendor			Y
ELEC-1		Approval	Electrical	Document	25542-000-VIB-EU00-00165	UNIT -1 EEM 208Y/120V DISTRIBUTION PANEL SCHEMATICS	Vendor			Y
ELEC-1		Approval	Electrical	Document	25542-000-VIB-EU00-00215	UNIT-1 EEM PLAN VIEW LAYOUT	Vendor			Y
ELEC-1		Approval	Electrical	Document	25542-000-VIB-EU00-00216	UNIT-1 EEM PLAN VIEW EQUIPMENT LAYOUT	Vendor			Y
ELEC-1		Approval	Electrical	Document	25542-000-VIB-EU00-00217	UNIT-1 EEM PLAN VIEW UTILITY LAYOUT	Vendor			Y
ELEC-1		Approval	Electrical	Document	25542-000-VIB-EU00-00218	UNIT-1 EEM CABLE TRAY PLAN	Vendor			Y
ELEC-1		Approval	Electrical	Document	25542-000-VIB-EU00-00140	UNIT-1 EEM LIGHTING ELECTRICAL SCHEMATICS	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIF-EU00-00094	UNIT-2 EEM PLAN VIEW	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIF-EU00-00095	UNIT-2 EEM CEILING VIEW	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIF-EU00-00096	UNIT-2 EEM CABLE TRAY SECTION	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIF-EU00-00097	UNIT-3 EEM PLAN VIEW	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIF-EU00-00098	UNIT-3 EEM CEILING VIEW	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIF-EU00-00099	UNIT-3 EEM CABLE TRAY SECTION	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIF-EU00-00100	UNIT-2 EEM 208Y/120V AC CIRCUITS	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIF-EU00-00010	UNIT-2 POWER CIRCUITS	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIF-EU00-00011	UNIT-2 POWER CIRCUITS	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIF-EU00-00050	UNIT-3 EEM 208Y/120V AC DISTRIBUTION	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIF-EU00-00051	UNIT-3 EEM 208Y/120V AC CIRCUITS	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIF-EU00-00052	UNIT-3 EEM POWER CIRCUITS	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIF-EU00-00053	UNIT-3 EEM POWER CIRCUITS	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIB-M0FD-00068	UNIT 1 ASME MANUFACTURERS DATA REPORT FOR HURST BOILER	Vendor			Y
ELEC-1		Approval	Plant Design	Document	25542-000-VIB-M0FD-00069	UNIT 2 ASME MANUFACTURERS DATA REPORT FOR HURST BOILER	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-EN0-L0TG-00001	ENERGIZATION OF UNIT 1 STATION SERVICE TRANSFORMER 1-ES-ET-001 AND 4.18KV SWITCHGEAR	Vendor			Y
ELEC-1		Reference	Mechanical	Document	25542-000-EN0-L0TG-00002	START UP TEST PROCEDURE 115KV INITIAL BACKFED ENERGIZATION GENERATOR STEP UP TRANSFORMER	Vendor			Y



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/Vendor/Owner	Remarks	Forecast Date	CBO Approved
ELEC-1		Approval	Mechanical	Document	25542-000-VIA-U07G-00003	STARTUP TECHNICAL PROCEDURE: IVANPAH SYNCHRONIZATION PROCEDURE FOR UNIT 1,2,3	Bechtel			Y
ELEC-1		Reference	Mechanical	Document	25542-000-VIA-U07G-00002	118KV INITIAL BACKFEED ENERGIZATION GENERATOR STEP-UP TRANSFORMER (GSU) AND UNIT AUXILIARY TRANSFORMER (UAT) WITH THE EMERGENCY DIESEL GENERATOR (EDG) FOR UNIT 2 AND UNIT 3				Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-AKBS-00089	PLUMB - ADMIN BLDG DWG	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-AKBS-00090	PLUMB - ADMIN BUILDING	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-AKBS-00091	PLUMB - ADMIN BUILDING	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-AKBS-00092	MECH - FACILITY ADMIN BLDG	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-AKBS-00093	MECH - FACILITY ADMIN BLDG	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-AKBS-00094	MECH - FACILITY ADMIN BLDG	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-AKBS-00095	MECH - FACILITY ADMIN BLDG	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-AKBS-00096	MECH - FACILITY ADMIN BLDG	Vendor			Y
MECH-1		Reference	Mechanical	Document	25542-000-VIA-AKBS-00104	PLUMB - ADMIN BLDG DWG	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-AKBS-00110	MECH - FACILITY ADMIN BLDG	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-AKBS-00111	MECH - FACILITY ADMIN BLDG	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-AKBS-00112	MECH - FACILITY ADMIN BLDG	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VIA-AKBS-00113	MECH - FACILITY ADMIN BLDG	Vendor			Y
GEN-5		Approval		Document	25542-000-VIA-ACED-00016	PE RESUME FOR DONALD H LIBBY, SE	Vendor			Y
GEN-5		Approval		Document	25542-000-VIA-ACED-00017	GEOTECHNICAL COVER LETTER FOR LIBBY, SE	Vendor			Y
GEN-5		Approval		Document	25542-000-VIA-ACED-00018	PE RESUME FOR STEVEN ARNOLD, PE, SE	Vendor			Y
GEN-5		Approval		Document	25542-000-VIA-ACED-00019	COVER LETTER FOR ARNOLD	Vendor			Y
GEN-5		Approval		Document	25542-000-VIA-ACED-00040	PE RESUME FOR P. BARNERMAN	Vendor			Y
GEN-5		Approval		Document	25542-000-VIA-ACED-00040	GEOTECHNICAL COVER LETTER FOR PAUL BARNERMAN	Vendor			Y
GEN-5	NA	Approval	Electrical	Resume	25542-000-VIA-AKBS-00106	RESUME - KRAG KRAUSEN, CIVIL ENGINEER	Vendor			Y
GEN-5	NA	Approval	Electrical	Resume	25542-000-VIA-AKBS-00106	RESUME - RANDALL TURNER, ELECTRICAL ENGINEER	Vendor			Y
GEN-5	NA	Approval	Electrical	Cover Letter	25542-000-VIA-AKBS-00106	COVER LETTER	Vendor			Y
GEN-5	NA	Approval	Electrical	Cover Letter	25542-000-VIA-AKBS-00106	COVER LETTER	Vendor			Y
GEN-5	NA	Approval	Electrical	Resume	25542-000-VIA-AKBS-00103	RESUME - KELLY DAME, MECHANICAL ENGINEER	Vendor			Y
GEN-5	NA	Approval	Electrical	Resume	25542-000-VIA-AKBS-00103	COVER LETTER	Vendor			Y
GEN-5	NA	Approval	Electrical	Resume	25542-000-VIA-AKBS-00103	RESUME - DINESH PATIL	Vendor			Y
GEN-5	NA	Approval	Electrical	Resume	25542-000-VIA-AKBS-00106	COVER LETTER	Vendor			Y
GEN-5	NA	Approval	Electrical	Resume	25542-000-VIA-AKBS-00106	RESUME FOR STEVEN D. HOYER	Vendor			Y
GEN-5	NA	Approval	Electrical	Cover Letter	25542-000-VIA-AKBS-00106	PE LETTER FROM STEVEN D. HOYER	Vendor			Y
GEN-5	NA	Approval	Architectural	Resume	25542-000-VIA-AKBS-00106	ENGINEERING, GREGG ELECTRIC, INC	Vendor			Y
GEN-5	NA	Approval	Electrical	Resume	25542-000-VIA-AKBS-00091	RESUME - ARUN BAWA	Vendor			Y
GEN-5	NA	Approval	Electrical	Resume	25542-000-VIA-AKBS-00092	RESUME - BRUCE DALINGS	Vendor			Y
GEN-5	NA	Approval	Electrical	Resume	25542-000-VIA-AKBS-00096	RESUME - SCOTT WAYLAND	Vendor			Y
GEN-5	NA	Approval	Electrical	Resume	25542-000-VIA-AKBS-00095	RESUME - NATHAN PETERSON	Vendor			Y
GEN-5	NA	Approval	Electrical	Resume	25542-000-VIA-AKBS-00090	RESUME - PAUL BARNERMAN	Vendor			Y
GEN-5	NA	Approval	Electrical	Resume	25542-000-VIA-AKBS-00091	RESUME - ARMON MAMTASADZIAN, MS	Vendor			Y
GEN-5	NA	Approval	Electrical	Resume	25542-000-VIA-FWZ-00026	PE RESUME - ELECTRICAL ENGINEER	Vendor			Y
GEN-5	NA	Approval	Electrical	Resume	25542-000-VIA-FWZ-00134	PE RESUME AND COVER LETTER - MECHANICAL ENGINEER (HBBBS)	Vendor			Y
GEN-5	NA	Approval	Electrical	Resume	25542-000-VIA-FWZ-00027	PE RESUME - STRUCTURAL ENGINEER	Vendor			Y
GEN-5	NA	Approval	Electrical	Resume	25542-000-VIA-FWZ-00028	PE RESUME - ELECTRICAL ENGINEER	Vendor			Y
GEN-5	NA	Approval	Electrical	Resume	25542-000-VIA-FWZ-00047	PE RESUME FOR ISAO KAWASAKI	Vendor			Y
GEN-5	NA	Approval	Electrical	Cover Letter	25542-000-VIA-FWZ-00048	COVER LETTER	Vendor			Y
GEN-5	NA	Approval	Electrical	Resume	25542-000-VIA-FWZ-00091	PE RESUME - CIVIL ENGINEER	Vendor			Y
GEN-5	NA	Approval	Electrical	Resume	25542-000-VIA-FWZ-00113	PE RESUME - ELECTRICAL ENGINEER	Vendor			Y
GEN-5	NA	Approval	Electrical	Resume	25542-000-VIA-FWZ-00074	PE RESUME - CIVIL ENGINEER	Vendor			Y
GEN-5	NA	Approval	Electrical	Resume	25542-000-VIA-FWZ-00076	PE RESUME - ELECTRICAL ENGINEER	Vendor			Y
GEN-5	NA	Approval	Electrical	Resume	25542-000-VIA-FWZ-00026	RESUME: NICHOLAS G. THOMAS, ELECTRICAL ENGINEER	Vendor			Y
GEN-5	NA	Approval	Civil	Resume	25542-000-VIA-FWZ-00027	RESUME: SCOTT KIRBY, CIVIL ENGINEER	Vendor			Y
GEN-5	NA	Approval	Electrical	Cover Letter	25542-000-VIA-FWZ-00047	COVER LETTER	Vendor			Y
GEN-5	NA	Approval	Civil	Cover Letter	25542-000-VIA-FWZ-00048	COVER LETTER	Vendor			Y
GEN-5	NA	Approval	Civil	Resume	25542-000-VIA-MBFD-00041	COVER LETTER/RESUME - PETER TANAKA CIVIL ENGINEER	Vendor			Y
GEN-5	NA	Approval	Civil	Resume	25542-000-VIA-MBFD-00173	PE RESUME - JUSTIN D. MARSHALL PhD	Vendor			Y
GEN-5	NA	Approval	Civil	Cover Letter	25542-000-VIA-MBFD-00176	COVER LETTER	Vendor			Y
GEN-5	NA	Approval	Civil	Resume	25542-000-VIA-MBFD-00049	MR WELLY AND ASSOC - STRUCTURAL ENGINEERS RESUME	Vendor			Y
GEN-5	NA	Approval	Mechanical	Resume	25542-000-VIA-MBHS-00023	CALIFORNIA PE RESUME - RYAN DALE	Vendor			Y
GEN-5	NA	Approval	Mechanical	Cover Letter	25542-000-VIA-MBHS-00023	COVER LETTER - RYAN DALE	Vendor			Y
GEN-5	NA	Approval	Mechanical	Resume	25542-000-VIA-MBHS-00024	CALIFORNIA PE RESUME - CHRIS ROSENCLUTTER	Vendor			Y
GEN-5	NA	Approval	Mechanical	Cover Letter	25542-000-VIA-MBHS-00025	COVER LETTER - CHRIS ROSENCLUTTER	Vendor			Y
GEN-5	NA	Approval	Mechanical	Cover Letter	25542-000-VIA-MEAS-00099	COVER LETTER	Vendor			Y
GEN-5	NA	Approval	Mechanical	Resume	25542-000-VIA-MEAS-00100	RESUME: DUDER	Vendor			Y
GEN-5	NA	Approval	Mechanical	Resume	25542-000-VIA-MEAS-00099	PROFESSIONAL ENGINEER	Vendor			Y
GEN-5	NA	Approval	Mechanical	Resume	25542-000-VIA-MEAS-00110	RESUME OF KHALED M. EL MOKADEM AND COVER LETTER	Vendor			Y
GEN-5	NA	Approval	Mechanical	Resume	25542-000-VIA-MEAS-00099	PE RESUME WITH COVER LETTER	Vendor			Y
GEN-5	NA	Approval	Mechanical	Resume	25542-000-VIA-MEAS-00099	PE RESUME - CIVIL STRUCTURAL ENGINEER AND SCOPE OF RESPONSIBILITIES	Vendor			Y
GEN-5	NA	Approval	Mechanical	Resume	25542-000-VIA-MEAS-00099	PE RESUME - CIVIL STRUCTURAL ENGINEER	Vendor			Y
GEN-5	NA	Approval	Mechanical	Resume	25542-000-VIA-MEAS-00099	RESPONSIBILITY AND SCOPE OF WORK OF PE	Vendor			Y
GEN-5	NA	Approval	Mechanical	Resume	25542-000-VIA-MEAS-00099	RESUME - LINDA D. FRENCH	Vendor			Y
GEN-5	NA	Approval	Mechanical	Resume	25542-000-VIA-MEAS-00099	COVER LETTER FOR FIRE SUPPRESSION ENGINEER - PE RESUME	Vendor			Y
GEN-5	NA	Approval	Mechanical	Resume	25542-000-VIA-MEAS-00099	RESUME OF CALIFORNIA REGISTERED ENGINEER - JENAPHER M. WANDERLICK, PE	Vendor			Y
GEN-5	NA	Approval	Mechanical	Cover Letter	25542-000-VIA-MEAS-00099	ENGINEER	Vendor			Y
GEN-5	NA	Approval	Mechanical	Resume	25542-000-VIA-MEAS-00110	ENGINEERING PERSONNEL AND RESPONSIBILITIES - MR EUGENE WILKINS	Vendor			Y
GEN-5	NA	Approval	Mechanical	Resume	25542-000-VIA-MEAS-00110	ENGINEERING PERSONNEL AND RESPONSIBILITIES - MR JOHN BIGGINS	Vendor			Y
GEN-5	NA	Approval	Mechanical	Resume	25542-000-VIA-MEAS-00110	ENGINEERING PERSONNEL AND RESPONSIBILITIES - MR WILLIAM BOWEN	Vendor			Y
GEN-5	NA	Approval	Mechanical	Resume	25542-000-VIA-MEAS-00110	ENGINEERING PERSONNEL AND RESPONSIBILITIES - JIM SHUMMON	Vendor			Y
GEN-5	NA	Approval	Mechanical	Cover Letter	25542-000-VIA-MEAS-00110	COVER LETTER - MR EUGENE WILKINS, MR JOHN BIGGINS, MR JIM SHUMMON	Vendor			Y
GEN-5	NA	Approval	Mechanical	Cover Letter	25542-000-VIA-MEAS-00110	COVER LETTER - MR WILLIAM BOWEN	Vendor			Y
GEN-5	NA	Approval	Mechanical	Cover Letter	25542-000-VIA-MEAS-00110	LETTER CONFIRMING CBO REQUIREMENTS - MR WILLIAM BOWEN	Vendor			Y
GEN-5	NA	Approval	Mechanical	Cover Letter	25542-000-VIA-MEAS-00099	COVER LETTER - WILLIAM CHRISTOPHER ROSENCLUTTER	Vendor			Y
GEN-5	NA	Approval	Mechanical	Resume	25542-000-VIA-MEAS-00099	RESUME OF CERTIFYING ENGINEER - JOEL D WICOFF, PE	Vendor			Y
GEN-5	NA	Approval	Mechanical	Cover Letter	25542-000-VIA-MEAS-00099	LETTER FROM ENGINEER - JOEL D WICOFF, PE	Vendor			Y
GEN-5	NA	Approval	Mechanical	Resume	25542-000-VIA-MEAS-00099	STATEMENT OF QUALIFICATIONS	Vendor			Y
GEN-5	NA	Approval	Mechanical	Cover Letter	25542-000-VIA-MEAS-00099	RESUME COVER SHEET FOR JEFF KOENIG, PE	Vendor			Y
GEN-5	NA	Approval	Mechanical	Resume	25542-000-VIA-MEAS-00099	CHARGE OF THE PROJECT AS ENGINEER OF RECORD - RAHAT Y KHAN	Vendor			Y
GEN-5	NA	Approval	Mechanical	Resume	25542-000-VIA-MEAS-00099	RESUME AND SCOPE OF WORK FOR JAMES P RICE	Vendor			Y
GEN-5	NA	Approval	Mechanical	Resume	25542-000-VIA-MEAS-00099	RESUME AND SCOPE OF WORK FOR JOHN P BARRINGER	Vendor			Y



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
GEN-5		Approval	Mechanical	Resume	25542-000-VTB-MUVE-00073	RESUME AND SCOPE OF WORK FOR VINCENT MARETTI	Vendor			Y
GEN-5		Approval	Civil	Resume	25542-000-VTA-SY10-00003	GREGORY P. LUTH RESUME	Vendor			Y
GEN-5		Approval	Civil	Document	25542-000-VTA-SY10-00018	IMD PIER REVIEW	Vendor			Y
GEN-5		Approval		Resume	25542-000-VTB-AK00-00298	SCOTT HEATLY RESUME	Vendor			Y
GEN-5		Approval	Electrical	Resume	25542-000-VTA-EKL3-00080	PE RESUME - STRUCTURAL ENGINEER	Vendor			Y
GEN-5		Approval	Electrical	Resume	25542-000-VTA-EKL3-00081	PE RESUME - ELECTRICAL ENGINEER	Vendor			Y
GEN-5		Approval	CONTROL SYSTEMS	Resume	25542-000-VTA-JAM4-00030	SAMPLE AND ANALYSIS SYSTEM - PE RESUME	Vendor			Y
GEN-5		Approval	Mechanical	Resume	25542-000-VTA-MWDC-00131	COVER LETTER FOR HAROLD W. JOHNSON, PE	Vendor			Y
GEN-5		Approval	Mechanical	Resume	25542-000-VTA-MWDC-00132	RESUME FOR HAROLD W. JOHNSON, PE	Vendor			Y
GEN-5		Approval	Plant Design	Resume	25542-000-VTA-PY21-00025	COVER LETTER AND RESUME FOR JAMES BOUCHE, PE	Vendor			Y
GEN-5		Approval	Electrical	Resume	25542-000-VTF-EU00-00055	PE RESUME - CIVIL STRUCTURAL ENGINEER	Vendor			Y
GEN-5		Approval	Electrical	Resume	25542-000-VTF-EU00-00056	PE RESUME - ELECTRICAL ENGINEER	Vendor			Y
ELEC-1		Approval	Electrical	Document	25542-000-VTA-MPGF-00004	Control - Turbine Fire Pump Passage and Enclosure Electrical Layout	Vendor			Y
ELEC-1		Approval	Electrical	Document	25542-000-VTA-MPGF-00007	ELECTRICAL LAYOUT	Vendor			Y
ELEC-1		Approval	Electrical	Document	25542-000-VTA-MPGF-00009	LIGHTING CALCULATION AND PLAN	Vendor			Y
ELEC-1		Approval	Electrical	Document	25542-000-VTA-MPGF-00009	Common - Lighting Calculation	Vendor			Y
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-VTB-AK00-00062	BUILDING	Vendor			Y
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-VTB-AK00-00063	PERFORMANCE CERTIFICATE OF COMPLIANCE - PAD BOND BUILDINGS	Vendor			Y
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-VTB-AK00-00067	HELIOSTAT ASSEMBLY BUILDING PSYCHOMETRIC CHART	Vendor			Y
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-VTB-AK00-00068	PAD BOND BUILDING PSYCHOMETRIC CHART	Vendor			Y
MECH-1	NA	Approval	Mechanical	Data Sheet	25542-000-VTB-AK00-00073	AMEREX - CHEMICAL FIRE EXTINGUISHER DATE SHEET	Vendor			Y
MECH-1	NA	Approval	Mechanical	Data Sheet	25542-000-VTB-AK00-00074	AMEREX - CARBON DIOXIDE CO2 FIRE EXTINGUISHER DATE SHEET	Vendor			Y
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-VTB-AK00-00075	LEGEND SHEET, INDEX, AND SPECIFICATIONS (M-001)	Vendor			Y
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-VTB-AK00-00076	MECHANICAL PLANS - PAD BONDING BUILDINGS (M-201)	Vendor			Y
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-VTB-AK00-00077	MECHANICAL PLANS - HELIOSTAT ASSEMBLY BUILDING - AREA A (M-202)	Vendor			Y
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-VTB-AK00-00078	MECHANICAL PLANS - HELIOSTAT ASSEMBLY BUILDING - AREA B (M-203)	Vendor			Y
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-VTB-AK00-00079	SCHEDULES (M-001)	Vendor			Y
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-VTB-AK00-00080	DETAILS (M-001)	Vendor			Y
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-VTB-AK00-00086	FIRE ALARM AND DETECTION SYSTEM - PARTIAL FLOOR PLAN A (FA-01)	Vendor			Y
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-VTB-AK00-00088	FIRE ALARM AND DETECTION SYSTEM - PARTIAL FLOOR PLAN B (FA-02)	Vendor			Y
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-VTB-AK00-00089	FIRE ALARM AND DETECTION SYSTEM - COVER SHEET (FA-03)	Vendor			Y
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-VTB-AK00-00091	FIRE ALARM AND DETECTION SYSTEM - INFORMATION SHEET (FA-04)	Vendor			Y
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-VTB-AK00-00092	FIRE ALARM AND DETECTION SYSTEM - DETAIL SHEET (FA-05)	Vendor			Y
MECH-1	NA	Approval	Mechanical	Calculation	25542-000-VTB-AK00-00093	MATERIAL AND HYDRAULIC CALCULATION	Vendor			Y
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-VTB-AK00-00094	SPRINKLER DRAWING AND DETAILS - HELIOSTAT ASSEMBLY BUILDING	Vendor			Y
MECH-1	NA	Reference	Mechanical	Drawing	25542-000-VTB-AK00-00175	DVAC - CARRIER 50 PMS	Vendor			Y
MECH-1	NA	Reference	Mechanical	Drawing	25542-000-VTB-AK00-00176	DVAC - CARRIER 50 AS	Vendor			Y
MECH-1	NA	Reference	Mechanical	Drawing	25542-000-VTB-AK00-00177	DVAC - MICROMET ERV	Vendor			Y
MECH-1	NA	Reference	Mechanical	Data Sheet	25542-000-VTB-AK00-00196	SPRINKLER SYSTEM EQUIPMENT DATA SHEETS	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00240	HELIOSTAT UNLOADING AREA SPRINKLER PLAN (SP1)	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00244	HELIOSTAT UNLOADING AREA SPRINKLER PLAN DETAIL 5 (SP2)	Vendor			Y
MECH-1		Approval	Mechanical	Data Sheet	25542-000-VTB-AK00-00245	WIRING SPRINKLER HEAD DATA SHEET	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00246	HELIOSTAT UNLOADING AREA SPRINKLER CALCULATION	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00243	FIRE ALARM SUBMITTAL	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00254	FIRE PROTECTION - PLANT SERVICES BUILDING	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00255	FIRE PROTECTION - PLANT SERVICES BUILDING	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00256	FIRE PROTECTION - PLANT SERVICES BUILDING	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00037	FIRE PROTECTION - PLANT SERVICES BUILDING	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00038	FIRE PROTECTION - PLANT SERVICES BUILDING	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00044	PLANT SERVICES BUILDING PLUMBING LEGEND AND NOTES AND DIAGRAMS	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00045	PLANT SERVICES BUILDING PLUMBING UNDERGROUND PLAN	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00046	PLUMB PLANT SERVICES BUILDING PLUMBING ABOVE GROUND PLAN	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTA-MESW-00128	FORM UNIT 1 AND 2 NAME PLATE FOR HP FWH 5	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTA-MESW-00129	FORM UNIT 1 AND 2 NAME PLATE FOR HP FWH 6	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTA-MESW-00133	ASME CERTIFIED - HIGH PRESSURE NBR 5 AND 6 - DESIGN ENGINEER LETTER	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00047	ABBREVIATIONS	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00048	PLANT SERVICE BUILDING - LIGHTING CALCULATIONS	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00050	PLANT SERVICE BUILDING - ELECTRICAL LIGHTING PLAN	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00051	PLANT SERVICE BUILDING - ELECTRICAL POWER AND DATA PLAN	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00053	PLANT SERVICE BUILDING - ELECTRICAL ROOF PLAN	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00054	SCHEDULES	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00055	PLANT SERVICE BUILDING - ELECTRICAL DETAILS	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00056	PLANT SERVICES BUILDING - SERVICE BUILDINGS	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-VTA-ER00-00002	BAIR DESIGN	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-VTA-ER00-00003	CHC BID DESIGN CRITERIA	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-VTB-MUVE-00012	E-HOUSE TITLE PAGE AND DRAWING INDEX	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-VTB-MUVE-00001	E-HOUSE FLOOR AND CEILING PLANS	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-VTB-MUVE-00014	E-HOUSE ELECTRIC PLANS	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-VTB-MUVE-00015	E-HOUSE FINISH ELEVATIONS	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-VTB-MUVE-00016	E-HOUSE GROUND DETAILS WALL SECTION	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-VTB-MUVE-00017	E-HOUSE HVAC PLANDETAIL SCHEMATIC	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-VTB-MUVE-00018	E-HOUSE SINGLE LINE DIAGRAM AND SCHEMATIC	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-VTB-MUVE-00021	E-HOUSE FIRE ALARM PLAN AND SCHEMATIC	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-VTB-MUVE-00022	E-HOUSE INSTALLATION DRAWING	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-VTB-MUVE-00070	E-HOUSE CABLE TRAY PLAN AND DETAILS	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-VTB-MUVE-00025	E-HOUSE ENVIRONMENTAL AND MECHANICAL COMPLIANCE FORMS	Vendor			Y
ELEC-1		Approval	Mechanical	Document	25542-000-VTB-MUVE-00026	E-HOUSE LIGHTING COMPLIANCE FORMS	Vendor			Y
MECH-1		Reference	Mechanical	Document	25542-000-VTB-AK00-00098	PLANT SERVICES BUILDING PERCOLATION REPORT	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00095	FIRE PROTECTION - PLANT SERVICES BUILDING	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00091	FIRE PROTECTION - PLANT SERVICES BUILDING	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00082	FIRE PROTECTION - PLANT SERVICES BUILDING	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00083	FIRE PROTECTION - PLANT SERVICES BUILDING	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00084	FIRE PROTECTION - PLANT SERVICES BUILDING	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00083	FIRE PROTECTION - PLANT SERVICES BUILDING - COVER SHEET	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00084	FIRE PROTECTION - PLANT SERVICES BUILDING - MECHANICAL LAYOUT	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00085	FIRE PROTECTION - PLANT SERVICES BUILDING - ELECTRICAL LAYOUT	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00086	FIRE PROTECTION - PLANT SERVICES BUILDING - PANEL WIRING DIAGRAM	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00087	FIRE PROTECTION - PLANT SERVICES BUILDING - DETAILS	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00088	CALCULATING CABLE SPREADING ROOM - EAST	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00089	CALCULATING CABLE SPREADING ROOM - WEST	Vendor			Y
MECH-1		Approval	Mechanical	Document	25542-000-VTB-AK00-00090	CALCULATING ELECTRICAL EQUIPMENT ROOM - ONE EAST	Vendor			Y

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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
STRUC-1	NA	Approval	Civil	Document	25542-000-VTB-AK00-00153	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y
STRUC-1	NA	Approval	Civil	Document	25542-000-VTB-AK00-00154	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y
STRUC-1	NA	Approval	Civil	Document	25542-000-VTB-AK00-00155	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y
STRUC-1	NA	Approval	Civil	Document	25542-000-VTB-AK00-00220	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y
STRUC-1	NA	Approval	Civil	Document	25542-000-VTB-AK00-00221	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y
STRUC-1	NA	Approval	Civil	Document	25542-000-VTB-AK00-00222	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y
STRUC-1	NA	Approval	Civil	Document	25542-000-VTB-AK00-00223	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y
STRUC-1	NA	Approval	Civil	Document	25542-000-VTB-AK00-00224	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y
STRUC-1	NA	Approval	Civil	Document	25542-000-VTB-AK00-00225	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y
STRUC-1	NA	Approval	Civil	Document	25542-000-VTB-AK00-00226	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00240	CBO COMMENTS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00241	CBO COMMENTS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00261	STRUCTURAL CALCULATIONS, GEM PSB	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00300	PSB GEM - STRUCTURAL DETAILS D1.1	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00303	PSB GEM - COLD FORM DETAILS D2.1	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00304	PSB GEM - SHEETING DETAILS D3.1	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00305	PSB - COVER SHEET G0.01	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00306	PSB - SPECIAL INSPECTION SCHEDULE G0.02	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00307	PSB - ANCHOR ROD PLAN G1.01	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00308	PSB - ROOF FRAMING PLAN G2.01	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00309	PSB - ROOF SHEETING PLAN G4.01	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00310	PSB - WALL ELEVATIONS G5.01	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00311	PSB - WALL SHEETING G7.01	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00312	PSB - WALL SHEETING G7.02	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00313	PSB - BUILDING CROSS SECTIONS G8.01	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00314	PLANT SERVICES BUILDING	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00315	PLANT SERVICES BUILDING	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00316	PLANT SERVICES BUILDING	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00317	PLANT SERVICES BUILDING	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00318	PLANT SERVICES BUILDING	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00319	PLANT SERVICES BUILDING	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00320	PLANT SERVICES BUILDING	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00321	PLANT SERVICES BUILDING	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00322	PLANT SERVICES BUILDING	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00323	PLANT SERVICES BUILDING	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00324	PSB - STRUCTURAL GENERAL NOTES S0.1	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00325	PSB - STRUCTURAL GENERAL NOTES S0.2	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00326	PSB - TYPICAL CONCRETE DETAILS S0.3	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00327	PSB - TYPICAL MASONRY DETAILS S0.4	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00328	PSB - TYPICAL LIGHT GAUGE METAL STEEL DETAILS S0.5	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00329	PSB - TYPICAL LIGHT GAUGE METAL STEEL DETAILS S0.6	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00330	PSB - STRUCTURAL FOUNDATION PLAN S2.1	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00331	PSB - STRUCTURAL CEILING FRAMING PLAN S2.2	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00332	PSB - FOUNDATION DETAILS S3.1	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00333	PSB - CONNECTION DETAILS S7.1	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00335	PSB - STRUCTURAL CALCULATIONS AT1	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-AK00-00336	PSB - SHEETING DETAILS D3.2	Vendor			Y
STRUC-1	NA	Approval	Civil	Document	25542-000-VTB-DA00-00002	ELECTRICAL MANHOLE	Vendor			Y
STRUC-1	NA	Approval	Civil	Document	25542-000-VTB-DA00-00012	ELECTRICAL MANHOLE	Vendor			Y
STRUC-1	NA	Approval	Civil	Document	25542-000-VTB-DA00-00013	ELECTRICAL MANHOLE	Vendor			Y
STRUC-1	NA	Approval	Civil	Document	25542-000-VTB-DA00-00015	AIR RELEASE VAULT	Vendor			Y
STRUC-1	NA	Approval	Civil	Document	25542-000-VTB-DA00-00014	AIR RELEASE VAULT	Vendor			Y
STRUC-1	NA	Approval	Civil	Document	25542-000-VTB-DA00-00016	AIR RELEASE VAULT	Vendor			Y
STRUC-1	NA	Approval	Civil	Document	25542-000-VTB-DA00-00027	ELECTRICAL MANHOLE	Vendor			Y
STRUC-1	NA	Approval	Civil	Document	25542-000-VTB-DA00-00031	ELECTRICAL MANHOLE	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-DA00-00017	ELECTRICAL MANHOLE M-104	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-DA00-00018	ELECTRICAL MANHOLE M-105	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-DA00-00019	ELECTRICAL MANHOLE M-106	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-DA00-00020	ELECTRICAL MANHOLE M-109	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-DA00-00021	ELECTRICAL MANHOLE M-103	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-EU00-00141	BATTERY BANK SEISMIC ANALYSIS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-EU00-00155	UNIT 1 - EEM STRUCTURAL CALCULATION	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-EU00-00156	UNIT 1 - EEM PLAN VIEW	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-EU00-00157	UNIT 1 - EEM BASE PLAN	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-EU00-00158	UNIT 1 - EXTERIOR ELEVATIONS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-EU00-00159	UNIT 1 - EEM PLAN VIEW EQUIPMENT LAYOUT	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-EU00-00159	UNIT 1 - SECTIONS AND DETAILS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-EU00-00156	UNIT 1 - LIFTING EYE DETAILS	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-EU00-00137	UNIT 1 - CABLE TRAY PLAN	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-EU00-00152	UNIT 1 - HVAC ROOF CUTOUTS PLAN VIEW	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VTB-MCE0-00027	EDG PAD LAYOUT	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VTB-MCE0-00028	EDG ASSEMBLY DRAWING	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VTB-MCE0-00029	EDG ELEVATION DRAWING	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VTB-MCE0-00030	EDG WALL/TRUSS DETAIL	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VTB-MCE0-00031	EDG ENCLOSURE ASSEMBLY	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VTB-MCE0-00032	EDG TANK DETAIL	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VTB-MCE0-00033	EDG MOUNTING DETAIL	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VTB-MCE0-00034	RIGGING DETAIL	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-MPC00-00015	CLYDE UNION - GA - TURBINE DRIVEN ROLLER FEED PUMP SET	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-MPC00-00016	DRESSER - TURBINE OUTLINE FRAME - R04	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-MPC00-00016	GA DRAWINGS - DRESSER - SYSTEM ASSEMBLY - LUBE OIL SYSTEM	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-MPC00-00180	SFP LUBE OIL SYSTEM FOUNDATION LOAD CALCULATION	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-MPC00-00188	MAIN TDBPP FOUNDATION LOAD CALCULATION	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-MPC00-00189	SUBPP FOUNDATION LOAD CALCULATION	Vendor			Y
STRUC-1		Approval	Civil	Document	25542-000-VTB-MPC00-00170	SFP TURBINE FOUNDATION LOAD CALCULATION	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VTB-MUSE0-00022	FOUNDATION LOADS AND DESIGN REQUIREMENTS - UNITS 2 AND 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VTB-MUSE0-00113	FOUNDATION ANCHOR HP25 INLET UNITS 2/3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VTB-MUSE0-00114	FOUNDATION ANCHOR HP25 OUTLET UNITS 2/3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VTB-MUSE0-00115	FOUNDATION ANCHOR M94 UNITS 2/3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VTB-MUSE0-00116	FOUNDATION ANCHOR M96 UNITS 2/3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-VTB-MUSE0-00117	FOUNDATION ANCHOR M98 UNITS 2/3	Vendor			Y



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

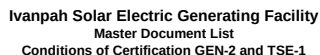
Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/Vendor/Owner	Remarks	Fore cast Date	CBO Approved
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00119	FOUNDATION ANCHOR M42 UNITS 2/3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00119	EMBEDDED PLATE UNITS 2/3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00120	FOUNDATION DETAILS VASEL GEAR M55X6 UNITS 2/3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00121	FOUNDATION DETAILS SIEMENS TBL1 100 UNITS 2/3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00122	FOUNDATION DETAILS STE-HPS UNITS 2/3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00123	FOUNDATION DETAILS PVT1 321 M-5T UNITS 2/3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00124	TRANSITION PIECE C3 FOUNDATION DETAILS UNITS 2/3 - SHEET 1	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00143	GENERAL ARRANGEMENT - SOUND ENCLOSURE - IVANPAH 2/3 - SHEET 1	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00144	GENERAL ARRANGEMENT - SOUND ENCLOSURE - IVANPAH 2/3 - SHEET 2	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00145	GENERAL ARRANGEMENT - SOUND ENCLOSURE - IVANPAH 2/3 - SHEET 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00146	GENERAL ARRANGEMENT - SOUND ENCLOSURE - IVANPAH 2/3 - SHEET 4	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00147	GENERAL ARRANGEMENT - SOUND ENCLOSURE - IVANPAH 2/3 - SHEET 5	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00218	TRANSITION PIECE C3 FOUNDATION DETAILS UNITS 2/3 - SHEET 2	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00235	SOUND ENCLOSURE STRUCTURAL CALC'S - FOUNDATION LOADS - UNITS 2/3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00261	STRENGTH CHECK ON EMBEDDED DETAILS UNITS 2/3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00262	STEAM TURBINE FOUNDATION OUTLINE DRAWING UNITS 2/3 - SHEET 1	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00263	STEAM TURBINE FOUNDATION OUTLINE DRAWING UNITS 2/3 - SHEET 2	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00264	STEAM TURBINE FOUNDATION OUTLINE DRAWING UNITS 2/3 - SHEET 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00265	STEAM TURBINE FOUNDATION OUTLINE DRAWING UNITS 2/3 - SHEET 4	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00266	STEAM TURBINE FOUNDATION OUTLINE DRAWING UNITS 2/3 - SHEET 5	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00267	STEAM TURBINE FOUNDATION OUTLINE DRAWING UNITS 2/3 - SHEET 6	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00268	STEAM TURBINE FOUNDATION OUTLINE DRAWING UNITS 2/3 - SHEET 7	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00269	AND 3 - PART I	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00269	AND 3 - PART II	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00281	AND 3 - PART III	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00282	AND 3 - PART IV	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00283	SOUND ENCLOSURE - PLAN AT GROUND LEVEL - UNITS 2 AND 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00284	SOUND ENCLOSURE - ROOF FRAMING LEVEL - UNITS 2 AND 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00285	SOUND ENCLOSURE - FRAMING ELEVATIONS - UNITS 2 AND 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00286	SOUND ENCLOSURE - FRAMING ELEVATIONS - UNITS 2 AND 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00287	SOUND ENCLOSURE - FRAMING ELEVATIONS - UNITS 2 AND 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00288	SOUND ENCLOSURE - END CONNECTION DETAILS - UNITS 2 AND 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00289	SOUND ENCLOSURE - END CONNECTION DETAILS - UNITS 2 AND 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00270	SOUND ENCLOSURE - COLUMN BASE PLATES - UNITS 2 AND 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00271	SOUND ENCLOSURE - STRUCTURAL GENERAL NOTES - UNITS 2 AND 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00272	SOUND ENCLOSURE - STRUCTURAL GENERAL NOTES - UNITS 2 AND 3	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00019	5-HOUR STEEL FRAMING PLANS	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00020	5-HOUR STEEL FRAMING ELEVATIONS	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MUSG-00030	5-HOUR STRUCTURAL CALCULATIONS	Vendor			Y
MECH-1	NA	Approval	Civil	Document	25542-000-V1B-AKBS-00038	MECH - PSB	Vendor			Y
MECH-1	NA	Approval	Civil	Document	25542-000-V1B-AKBS-00040	MECH - PSB	Vendor			Y
MECH-1	NA	Approval	Civil	Document	25542-000-V1B-AKBS-00041	MECH - PSB	Vendor			Y
MECH-1	NA	Approval	Civil	Document	25542-000-V1B-AKBS-00042	MECH - PSB	Vendor			Y
MECH-1	NA	Approval	Civil	Document	25542-000-V1B-AKBS-00043	MECH - PSB	Vendor			Y
MECH-1	NA	Approval	Civil	Document	25542-000-V1B-AKBS-00063	MECH - PSB	Vendor			Y
MECH-1	NA	Approval	Civil	Document	25542-000-V1B-AKBS-00064	MECH - PSB	Vendor			Y
MECH-1	NA	Approval	Civil	Document	25542-000-V1B-AKBS-00065	MECH - PSB	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MBFD-00015	STRUCTURAL CALC'S - GUYED STACK REACTIONS FOR SEISMIC AND WIND	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MBFD-00016	GUYED STACK REACTIONS FOR SEISMIC AND WIND	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MBFD-00022	GUY WIRE ATTACHMENT PIPE RACK COLUMNS	Vendor			Y
STRUC-1		Approval	Mechanical	Document	25542-000-V1B-MBFD-00023	BOILER ANCHOR PLAN AND DETAILS	Vendor			Y
STRUC-1		Approval	CIVIL	Document	25542-000-V1C-UC000-00001	CALC FOR 3MP30 MONOPOLE DESIGN AND FOUNDATION DESIGN	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1C-UC000-00002	MICROFLECT CUSTOM 35-0 3MP30AND FOUNDATION DESIGN DRAWING D-135008	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00001	UNIT 2 - EEM PLAN VIEW	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00002	UNIT 2 - EEM CEILING VIEW	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00003	UNIT 2 - BASE DETAIL	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00004	UNIT 2 - PLATE CUTOUT DETAIL	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00005	UNIT 2 - ELEVATION	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00006	UNIT 2 - ELEVATION	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00027	UNIT 2 - COVER SHEET	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00028	UNIT 2 - CABLE TRAY SECTION	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00029	UNIT 2 - ROOF VIEW	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00030	UNIT 2 - ELEVATION	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00031	UNIT 2 - ROOF ASSEMBLY	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00032	UNIT 2 - ROOF DETAILS	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00034	UNIT 2 - STRUCTURAL CALCULATION	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00035	UNIT 3 - STRUCTURAL CALCULATION	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00037	UNIT 3 - COVER SHEET	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00038	UNIT 3 - EEM PLAN VIEW	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00039	UNIT 3 - EEM CEILING VIEW	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00040	UNIT 3 - CABLE TRAY SECTION	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00041	UNIT 3 - ROOF VIEW	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00042	UNIT 3 - BASE DETAIL	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00043	UNIT 3 - PLATE CUTOUT DETAIL	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00044	UNIT 3 - ELEVATION	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00045	UNIT 3 - ELEVATION	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00046	UNIT 3 - ELEVATION	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00047	UNIT 3 - ROOF ASSEMBLY	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00048	UNIT 3 - ROOF DETAILS	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00066	UNIT 2 BASE DETAIL	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00067	UNIT 2 WALL COMPONENTS	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00069	UNIT 2 WALL ENGINEERING DETAILS	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00070	UNIT 2 FRAME ASSEMBLY	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00071	UNIT 2 FRAME ASSEMBLY	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00072	UNIT 2 ROOF ASSEMBLY	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00073	UNIT 2 ROOF ENGINEERING DETAILS	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00074	UNIT 2 ROOF COMPONENTS	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00075	UNIT 3 WALL COMPONENTS	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00076	UNIT 3 WALL ENGINEERING DETAILS	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00077	UNIT 3 FRAME ASSEMBLY	Vendor			Y
STRUC-1		Approval	ELECTRICAL	Document	25542-000-V1F-EU00-00078	UNIT 3 FRAME ASSEMBLY	Vendor			Y

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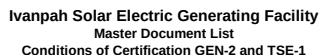


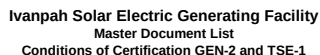
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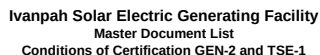
Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
MECH-1		Reference	Plant Design	Drawing	25542-003-P1-2140-00001	SA-TURBINE AREA PLAN EL. 3228-0	Bechtel			Y
MECH-1		Reference	Plant Design	Drawing	25542-003-P1-2190-00001	SA-TURBINE BOILER AREA SECTION A-A	Bechtel			Y
MECH-1		Reference	Plant Design	Drawing	25542-009-P1-0010-00001	PLOT PLAN COMMON AREA	Bechtel			Y
MECH-1		Reference	Plant Design	Drawing	25542-009-P1-7610-00001	SA-COMMON AREA FIRE-RAW WATER LAYOUT PLAN EL. 3001-0	Bechtel			Y
MECH-1	NA	Reference	Plant Design	Drawing	25542-009-P1-7610-000##	GENERAL ARRANGEMENT- COMMON AREA PLAN AT GRADE	Bechtel		Jun-11	
MECH-1	NA	Reference	Plant Design	Drawing	25542-009-P1-7690-000##	GENERAL ARRANGEMENT- COMMON AREA PLAN AT GRADE	Bechtel		Jun-11	
MECH-1	NA	Reference	Plant Design	Drawing	25542-009-P1-7510-000##	GENERAL ARRANGEMENT-COMMON AREA SECTIONS & DETAILS	Bechtel		Jun-11	
		Approval	Plant Design	Drawing	25542-001-P30-AB-00027	STEAM TURBINE	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00028	STEAM TURBINE	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00029	STEAM TURBINE	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00030	STEAM TURBINE	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00031	STEAM TURBINE	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00032	STEAM TURBINE	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00033	STEAM TURBINE	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00034	STEAM TURBINE	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00035	STEAM TURBINE	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00036	STEAM TURBINE	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00037	STEAM TURBINE	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00038	STEAM TURBINE	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00039	STEAM TURBINE	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00040	BYPASS	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00041	DUCT	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00048	STEAM TURBINE	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00050	STEAM TURBINE	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00067	LARGE BORE PIPING - MAIN STEAM SYSTEM - LP BYPASS TO ACC DUCT	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00068	HRH TO LP BYPASS	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00071	DUCT	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00080	HRH	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P30-AB-00081	HRH	Bechtel			Y
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P30-AB-00001 to -00***	TO STEAM TURBINE	Bechtel	MECH-1-1-1-06	Nov-	Y
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P30-AE-00001 to -00***	FEED WATER PUMP SUCTION	Bechtel		####	N
MECH-1		Approval	Plant Design	Calculation	25542-000-P6C-AE-00002	CALCULATION	Bechtel			Y
MECH-1	G	Reference	Plant Design	Calculation	25542-000-P6C-AE-00003	BOILER FEED PUMPS	Bechtel			Y
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00001	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00002	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00003	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00004	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00005	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00006	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00008	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00009	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00010	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00014	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y
MECH-1	G	Approval	Plant Design	Drawing	25542-001-P31-AE-00016	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P31-AE-00020	LARGE BORE PIPING ISOMETRIC - FEEDWATER SYSTEM	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P31-FG-00001	BOILER	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P31-FG-00002	SOLENOID	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P31-FG-00003	RECEIVER	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P31-FG-00004	AND NIGHT PRESERVATION BOILERS	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P31-FG-00005	AND NIGHT PRESERVATION BOILERS	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P31-FG-00006	BOILER	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P31-FG-00007	AND NIGHT PRESERVATION BOILERS	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P31-FG-00008	AND NIGHT PRESERVATION BOILERS	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P31-FG-00009	AND NIGHT PRESERVATION BOILERS	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P31-FG-00010	LARGE BORE PIPING ISOMETRIC - NATURAL GAS PVRBG VENT TO ATMOSPHERE	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P31-PF-00001	LARGE BORE PIPE ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 1	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P31-PF-00002	LARGE BORE PIPE ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 1	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P31-PF-00003	LARGE BORE PIPE ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 1	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P31-PF-00004	LARGE BORE PIPE ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 1	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P31-PF-00005	LARGE BORE PIPE ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 1	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P31-PF-00006	LARGE BORE PIPE ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 1	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P31-PF-00008	LARGE BORE PIPE ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 1	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P33-PF-00001	SMALL BORE PIPE ISOMETRIC - FIRE PROTECTION SYSTEM - UNIT 1	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P33-PF-00001	SMALL BORE PIPING ISOMETRIC NATURAL GAS SYSTEM UNIT 1	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P33-PF-00002	SMALL BORE PIPING ISOMETRIC NATURAL GAS SYSTEM UNIT 1	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P33-PF-00003	SMALL BORE PIPING ISOMETRIC NATURAL GAS SYSTEM UNIT 1	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P33-PF-00004	SMALL BORE PIPING ISOMETRIC NATURAL GAS SYSTEM UNIT 1	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P33-PF-00005	SMALL BORE PIPING ISOMETRIC NATURAL GAS SYSTEM UNIT 1	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P33-PF-00006	SMALL BORE PIPING ISOMETRIC NATURAL GAS SYSTEM UNIT 1	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P33-PF-00007	SMALL BORE PIPING ISOMETRIC NATURAL GAS SYSTEM UNIT 1	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P33-PF-00008	SMALL BORE PIPING ISOMETRIC NATURAL GAS SYSTEM UNIT 1	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P33-PF-00009	SMALL BORE PIPING ISOMETRIC NATURAL GAS SYSTEM UNIT 1	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P33-PF-00010	SMALL BORE PIPING ISOMETRIC NATURAL GAS SYSTEM UNIT 1	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P33-PF-00011	SMALL BORE PIPING ISOMETRIC NATURAL GAS SYSTEM UNIT 1	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P33-PF-00012	SMALL BORE PIPING ISOMETRIC NATURAL GAS SYSTEM UNIT 1	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P33-PF-00013	PRESERVATION BOILER	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P33-PF-00014	SMALL BORE PIPING ISOMETRIC NATURAL GAS SYSTEM UNIT 1	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P33-PF-00015	PRESERVATION BOILER	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P33-PF-00016	PRESERVATION BOILER	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P33-PF-00017	VENT TO ATMOS	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-001-P33-PF-00018	VENT TO ATMOS	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P31-FG-00008	AND NIGHT PRESERVATION BOILERS	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-009-P31-FG-00010	AND NIGHT PRESERVATION BOILERS	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00027	STEAM TURBINE	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00028	STEAM TURBINE	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00029	STEAM TURBINE	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00030	STEAM TURBINE	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00031	STEAM TURBINE	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00032	STEAM TURBINE	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00033	STEAM TURBINE	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00034	STEAM TURBINE	Bechtel			Y
MECH-1		Approval	Plant Design	Drawing	25542-002-P30-AB-00035	STEAM TURBINE	Bechtel			Y

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Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
MECH-1		Approval	Plant Design	Pipe Support	25542-009-PH-PF-00202	FIRE PROTECTION PIPE SUPPORT FOR UNIT 009 - SHEET 2	Bechtel			Y
MECH-1		Approval	Plant Design	Pipe Support	25542-009-PH-PF-00261	FIRE PROTECTION PIPE SUPPORT FOR UNIT 009 - SHEET 1	Bechtel			Y
MECH-1		Approval	Plant Design	Pipe Support	25542-009-PH-PF-00271	FIRE PROTECTION PIPE SUPPORT FOR UNIT 009 - SHEET 1	Bechtel			Y
MECH-1		Approval	Plant Design	Pipe Support	25542-009-PH-PF-00281	FIRE PROTECTION PIPE SUPPORT FOR UNIT 009 - SHEET 1	Bechtel			Y
MECH-1		Approval	Plant Design	Pipe Support	25542-009-PH-PF-00291	FIRE PROTECTION PIPE SUPPORT FOR UNIT 009 - SHEET 1	Bechtel			Y
MECH-1		Approval	Plant Design	Pipe Support	25542-009-PH-PF-00301	FIRE PROTECTION PIPE SUPPORT FOR UNIT 009 - SHEET 1	Bechtel			Y
MECH-1		Approval	Plant Design	Pipe Support	25542-009-PH-PF-00331	FIRE PROTECTION PIPE SUPPORT FOR UNIT 009 - SHEET 1	Bechtel			Y
MECH-1		Approval	Plant Design	Pipe Support	25542-009-PH-PF-00341	FIRE PROTECTION PIPE SUPPORT FOR UNIT 009 - SHEET 1	Bechtel			Y
MECH-1		Approval	Plant Design	Pipe Support	25542-009-PH-PF-00351	FIRE PROTECTION PIPE SUPPORT FOR UNIT 009 - SHEET 1	Bechtel			Y
MECH-1		Approval	Plant Design	Pipe Support	25542-009-PH-PF-00361	FIRE PROTECTION PIPE SUPPORT FOR UNIT 009 - SHEET 1	Bechtel			Y
MECH-1		Approval	Plant Design	Pipe Support	25542-009-PH-PF-00362	FIRE PROTECTION PIPE SUPPORT FOR UNIT 009 - SHEET 2	Bechtel			Y
MECH-1		Approval	Plant Design	Pipe Support	25542-009-PH-PF-00301	FIRE PROTECTION PIPE SUPPORT FOR UNIT 009 - SHEET 1	Bechtel			Y
MECH-1		Approval	Plant Design	Pipe Support	25542-009-PH-PF-00321	FIRE PROTECTION PIPE SUPPORT FOR UNIT 009 - SHEET 1	Bechtel			Y
MECH-1		Approval	Plant Design	Pipe Support	25542-009-PH-PF-00331	FIRE PROTECTION PIPE SUPPORT FOR UNIT 009 - SHEET 1	Bechtel			Y
MECH-1		Approval	Plant Design	Pipe Support	25542-009-PH-PF-00341	FIRE PROTECTION PIPE SUPPORT FOR UNIT 009 - SHEET 1	Bechtel			Y
MECH-1		Approval	Plant Design	Pipe Support	25542-009-PH-PF-00351	FIRE PROTECTION PIPE SUPPORT FOR UNIT 009 - SHEET 1	Bechtel			Y
MECH-1		Approval	Plant Design	Pipe Support	25542-009-PH-PF-00361	FIRE PROTECTION PIPE SUPPORT FOR UNIT 009 - SHEET 1	Bechtel			Y
MECH-1		Approval	Plant Design	Pipe Support	25542-009-PH-PF-00362	FIRE PROTECTION PIPE SUPPORT FOR UNIT 009 - SHEET 2	Bechtel			Y
MECH-1		Approval	Plant Design	Pipe Support	25542-009-PH-PF-00301	FIRE PROTECTION PIPE SUPPORT FOR UNIT 009 - SHEET 1	Bechtel			Y
MECH-1		Approval	Plant Design	Pipe Support	25542-009-PH-PF-00321	FIRE PROTECTION PIPE SUPPORT FOR UNIT 009 - SHEET 1	Bechtel			Y
MECH-1		Approval	Plant Design	Pipe Support	25542-009-PH-PF-00331	FIRE PROTECTION PIPE SUPPORT FOR UNIT 009 - SHEET 1	Bechtel			Y
MECH-1		Approval	Plant Design	Pipe Support	25542-009-PH-PF-00341	FIRE PROTECTION PIPE SUPPORT FOR UNIT 009 - SHEET 1	Bechtel			Y
MECH-1		Approval	Plant Design	Pipe Support	25542-009-PH-PF-00351	FIRE PROTECTION PIPE SUPPORT FOR UNIT 009 - SHEET 1	Bechtel			Y
MECH-1		Approval	Plant Design	Pipe Support	25542-009-PH-PF-00361	FIRE PROTECTION PIPE SUPPORT FOR UNIT 009 - SHEET 1	Bechtel			Y
MECH-1		Approval	Plant Design	Pipe Support	25542-009-PH-PF-00362	FIRE PROTECTION PIPE SUPPORT FOR UNIT 009 - SHEET 2	Bechtel			Y
MECH-1	G	Approval	Plant Design	Drawing	25542-000-P3-AE-0006#	PIPE ISOMETRIC DRAWINGS FOR FEEDWATER PIPE SYSTEM	Bechtel	system for CBO to review	#####	Y
MECH-1	G	Approval	Plant Design	Specification	25542-000-3DS-P72G-00012	PIPE INSULATION THICKNESS SCHEDULE	Bechtel		Aug-	Y
STRUC-1	NA	Approval	Control Systems	Document	25542-000-V1A-JA34-000##	BOILER SAMPLE PANEL ENCLOSURE STRUCTURAL DESIGN CALCULATIONS	Vendor		Jul-11	
STRUC-1	NA	Approval	Control Systems	Drawing	25542-000-V1A-JA34-000##	BOILER SAMPLE PANEL ENCLOSURE STRUCTURE DRAWING	Vendor		Jul-11	
STRUC-1	NA	Approval	Control Systems	Drawing	25542-000-V1A-JA34-000##	DRAWING	Vendor		Jul-11	
STRUC-1	NA	Approval	Control Systems	Document	25542-000-V1A-JA34-000##	CALCULATIONS	Vendor		Jul-11	
STRUC-1	NA	Approval	Control Systems	Drawing	25542-000-V1A-JA34-000##	DEMIN WATER SAMPLE PANEL ENCLOSURE STRUCTURE DRAWING	Vendor		Jul-11	
STRUC-1	NA	Approval	Control Systems	Drawing	25542-000-V1A-JA34-000##	DRAWING	Vendor		Jul-11	
STRUC-1		Approval	Control Systems	Drawing	25542-000-V1A-JA34-00025	STRUCTURAL DRAWING	Vendor			Y
STRUC-1		Approval	Control Systems	Drawing	25542-000-V1A-JA34-00026	STRUCTURAL DRAWING	Vendor			Y
STRUC-2		Approval	Control Systems	Calculation	25542-000-V1A-JA34-00064	SAFETY AND AUXILIARY SYSTEM - SLEETER STRUCTURAL CALC	Vendor			Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AB-00001	P&ID MAIN STEAM SYSTEM (HP STEAM)	Bechtel		10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AB-00002	P&ID MAIN STEAM SYSTEM (CRH STEAM)	Bechtel		10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AB-00003	P&ID MAIN STEAM SYSTEM (HRH STEAM)	Bechtel		10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AD-00001	P&ID CONDENSATE SYSTEM (PUMPS)	Bechtel		Nov-	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AD-00002	P&ID CONDENSATE SYSTEM (SPRAYS)	Bechtel		Nov-	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AD-00003	P&ID CONDENSATE SYSTEM (FW HEATERS)	Bechtel		Nov-	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AD-00004	P&ID CONDENSATE SYSTEM (ACC STEAM DUCT)	Bechtel		Nov-	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AD-00005	P&ID CONDENSATE SYSTEM (INTERNAL DRAINS)	Bechtel		Nov-	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AD-00006	P&ID CONDENSATE SYSTEM (EXTERNAL DRAINS)	Bechtel		Nov-	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AE-00001	P&ID FEEDWATER SYSTEM (PUMP SUCTION)	Bechtel		10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AE-00002	P&ID FEEDWATER SYSTEM (PUMP DISCHARGE)	Bechtel		10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AE-00003	P&ID FEEDWATER SYSTEM (FW HEATERS)	Bechtel		10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AE-00001	P&ID FEEDWATER SYSTEM (PUMP SUCTION)	Bechtel		10 A	
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AE-00002	P&ID FEEDWATER SYSTEM (PUMP DISCHARGE)	Bechtel		10 A	
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AE-00003	P&ID FEEDWATER SYSTEM (FW HEATERS)	Bechtel	SIMILAR FOR UNIT 3	10 A	
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AF-00001	P&ID EXTRACTION STEAM SYSTEM (LP FWH NO 1)	Bechtel		10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AF-00002	P&ID EXTRACTION STEAM SYSTEM (LP FWH NO 2)	Bechtel		10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AF-00003	P&ID EXTRACTION STEAM SYSTEM (DEAERATOR FWH NO 3)	Bechtel		10 A	Y
MECH-1	G	Reference	Mechanical	P&ID	25542-001-M6-AF-00004	P&ID EXTRACTION STEAM SYSTEM (BOILER FEED PUMP TURBINE)	Bechtel			Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AF-00005	P&ID EXTRACTION STEAM SYSTEM (HP FWH NO 5)	Bechtel		10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AF-00006	P&ID EXTRACTION STEAM SYSTEM (HP FWH NO 6)	Bechtel		10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AF-00001	P&ID EXTRACTION STEAM SYSTEM (LP FWH NO 1)	Bechtel		10 A	
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AF-00002	P&ID EXTRACTION STEAM SYSTEM (LP FWH NO 2)	Bechtel		10 A	
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AF-00003	P&ID EXTRACTION STEAM SYSTEM (DEAERATOR FWH NO 3)	Bechtel		10 A	
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AF-00004	P&ID EXTRACTION STEAM SYSTEM (HP FWH NO 4)	Bechtel	SIMILAR FOR UNIT 3	10 A	
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AF-00005	P&ID EXTRACTION STEAM SYSTEM (HP FWH NO 5)	Bechtel		10 A	
MECH-1	NA	Reference	Mechanical	P&ID	25542-002-M6-AF-00006	P&ID EXTRACTION STEAM SYSTEM (HP FWH NO 6)	Bechtel		10 A	
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-PA-00003	P&ID CONDENSATE AND FEEDWATER CHEMICAL INJECTION SYSTEM	Bechtel		10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AJ-00001	P&ID CONDENSATE AND FEEDWATER CHEMICAL INJECTION SYSTEM - OXYGEN	Bechtel			Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-AJ-00002	P&ID CONDENSATE AND FEEDWATER CHEMICAL INJECTION SYSTEM	Bechtel		10 A	Y
MECH-4	NA	Reference	Mechanical	P&ID	25542-004-M6-AR-00004	P&ID CONDENSER AIR REMOVAL SYSTEM	Bechtel	Delete	#####	
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-BM-00001	P&ID BLOWDOWN SYSTEM	Bechtel		Jun-11	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-FG-00001	P&ID FUEL GAS SYSTEM	Bechtel			Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-009-M6-FG-00001	P&ID FUEL GAS SYSTEM	Bechtel		Sep-	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-FL-00001	P&ID LUBE OIL SYSTEM	Bechtel		#####	
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-PA-00001	P&ID COMPRESSED AIR SYSTEM (AIR COMPRESSORS, RECEIVERS, DRYERS)	Bechtel		10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-PA-00002	P&ID COMPRESSED AIR SYSTEM (SERVICE AIR DISTRIBUTION)	Bechtel		10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-PA-00003	P&ID COMPRESSED AIR SYSTEM (INSTRUMENT AIR DISTRIBUTION)	Bechtel		10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-PG-00001	P&ID SERVICE GAS SYSTEM	Bechtel		10 A	Y
MECH-1	NA	Approval	Mechanical	P&ID	25542-001-M6-PF-00001	P&ID FIRE PROTECTION SYSTEM	Bechtel		Sep-	Y
MECH-1	NA	Approval	Mechanical	P&ID	25542-001-M6-PF-00002	P&ID FIRE PROTECTION SYSTEM	Bechtel		Sep-	Y
MECH-1	NA	Approval	Mechanical	P&ID	25542-009-M6-PF-00001	P&ID FIRE PROTECTION SYSTEM	Bechtel		Sep-	Y
MECH-1	NA	Approval	Mechanical	P&ID	25542-009-M6-PF-00002	P&ID FIRE PROTECTION SYSTEM	Bechtel		Sep-	Y
MECH-1	NA	Approval	Mechanical	P&ID	25542-001-M6-PW-00001	P&ID POTABLE WATER SYSTEM	Bechtel		Sep-	Y
MECH-1	NA	Approval	Mechanical	P&ID	25542-001-M6-PW-00002	P&ID POTABLE WATER SYSTEM	Bechtel		Sep-	Y
MECH-1	NA	Approval	Mechanical	P&ID	25542-009-M6-PW-00001	P&ID POTABLE WATER SYSTEM	Bechtel		Sep-	Y
MECH-1	NA	Approval	Mechanical	P&ID	25542-009-M6-PW-00002	P&ID POTABLE WATER SYSTEM	Bechtel		Sep-	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-SA-00001	P&ID AUXILIARY STEAM SYSTEM (NIGHT PRESERVATION BOILER)	Bechtel		10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-SA-00002	P&ID AUXILIARY STEAM SYSTEM (AUXILIARY BOILER)	Bechtel		10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-SA-00003	P&ID AUXILIARY STEAM SYSTEM	Bechtel		10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-SD-00001	P&ID BOILER FEED PUMP TURBINE	Bechtel		10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-SD-00002	P&ID BOILER FEED PUMP TURBINE	Bechtel		Apr-11	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-SL-00001	P&ID STEAM SEAL SYSTEM	Bechtel		10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-TI-00001	P&ID W/SAC CHEMICAL INJECTION SYSTEM	Bechtel			Y
MECH-2	NA	Reference	Mechanical	P&ID	25542-001-M6-TI-00002	P&ID W/SAC CHEMICAL INJECTION SYSTEM	Bechtel			Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-WB-00001	P&ID CLOSED COOLING WATER SYSTEM	Bechtel		10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-WB-00002	P&ID CLOSED COOLING WATER SYSTEM	Bechtel		10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-WB-00003	P&ID CLOSED COOLING WATER SYSTEM	Bechtel		10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-WD-00001	P&ID DEMINERALIZED WATER SYSTEM	Bechtel			Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-WR-00001	P&ID RAW WATER SYSTEM	Bechtel		10 A	Y



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
MECH-1	NA	Reference	Mechanical	P&ID	25542-009-M6-WR-00001	P&ID RAW WATER SYSTEM	Bechtel		10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-WS-00001	P&ID SERVICE WATER SYSTEM	Bechtel		10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-WY-00001	P&ID MIRROR WASH WATER SYSTEM	Bechtel		10 A	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-XW-00001	P&ID WASTE WATER SYSTEM	Bechtel		Jun-11	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-XW-00002	P&ID WASTE WATER SYSTEM	Bechtel		Jun-11	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-001-M6-XW-00003	P&ID WASTE WATER SYSTEM	Bechtel		Jun-11	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-000-M6J-YA-00001	P&ID SYMBOLS AND LEGENDS	Bechtel		Sep-	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-000-M6J-YA-00002	P&ID SYMBOLS AND LEGENDS	Bechtel		Sep-	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-000-M6J-YA-00003	P&ID SYMBOLS AND LEGENDS	Bechtel		Sep-	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-000-M6J-YA-00004	P&ID SYMBOLS AND LEGENDS	Bechtel		Sep-	Y
MECH-1	NA	Reference	Mechanical	P&ID	25542-000-M6J-YA-00005	P&ID SYMBOLS AND LEGENDS	Bechtel		Sep-	Y
MECH-1	NA	Approval	Mechanical	P&ID	25542-002-M6-PF-00001	FIRE PROTECTION SYSTEM	Bechtel			Y
MECH-1	NA	Approval	Mechanical	P&ID	25542-002-M6-PF-00002	FIRE PROTECTION SYSTEM	Bechtel			Y
MECH-1	NA	Approval	Mechanical	P&ID	25542-002-M6-PW-00001	POTABLE WATER SYSTEM	Bechtel			Y
MECH-1	NA	Approval	Mechanical	P&ID	25542-002-M6-PW-00002	POTABLE WATER SYSTEM	Bechtel			Y
MECH-1	NA	Approval	Mechanical	P&ID	25542-002-M6-WR-00001	RAW WATER SYSTEM	Bechtel			Y
MECH-1	NA	Approval	Mechanical	P&ID	25542-002-M6-WS-00001	SERVICE WATER SYSTEM	Bechtel			Y
MECH-1		Approval	Mechanical	P&ID	25542-003-M6-AB-00001	NAIR STEAM SYSTEM (NP STEAM)	Bechtel			Y
MECH-1		Approval	Mechanical	P&ID	25542-003-M6-AB-00002	NAIR STEAM SYSTEM (NP STEAM)	Bechtel			Y
MECH-1		Approval	Mechanical	P&ID	25542-003-M6-AB-00003	NAIR STEAM SYSTEM (NP STEAM)	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AD-00001	CONDENSATE SYSTEM (PUMPS)	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AD-00002	CONDENSATE SYSTEM (PUMPS)	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AD-00003	CONDENSATE SYSTEM (P.W. HEATERS)	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AD-00004	CONDENSATE SYSTEM (ACC. STEAM DUCT)	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AD-00005	CONDENSATE SYSTEM (INTERNAL DRAINS)	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AD-00006	CONDENSATE SYSTEM (EXTERNAL DRAINS)	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AE-00001	FEEDWATER SYSTEM (PUMP SUCTION)	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AE-00002	FEEDWATER SYSTEM (PUMP DISCHARGE)	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AE-00003	FEEDWATER SYSTEM (P.W. HEATERS)	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AF-00001	EXTRACTION STEAM SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AF-00002	EXTRACTION STEAM SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AF-00003	EXTRACTION STEAM SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AF-00004	EXTRACTION STEAM SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AF-00005	EXTRACTION STEAM SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AF-00006	EXTRACTION STEAM SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AJ-00001	CONDENSATE AND FEEDWATER CHEMICAL INJECTION SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-AJ-00002	CONDENSATE AND FEEDWATER CHEMICAL INJECTION SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-BM-00001	BLOWDOWN SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-FG-00001	FUEL GAS SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-FL-00001	LUBE OIL SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-PA-00001	COMPRESSED AIR SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-PA-00002	COMPRESSED AIR SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-PA-00003	COMPRESSED AIR SYSTEM	Bechtel			Y
MECH-1		Approval	Mechanical	P&ID	25542-003-M6-PF-00001	FIRE PROTECTION SYSTEM	Bechtel			Y
MECH-1		Approval	Mechanical	P&ID	25542-003-M6-PF-00002	FIRE PROTECTION SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-PG-00001	SERVICE GAS SYSTEM	Bechtel			Y
MECH-1		Approval	Mechanical	P&ID	25542-003-M6-PW-00001	POTABLE WATER SYSTEM	Bechtel			Y
MECH-1		Approval	Mechanical	P&ID	25542-003-M6-PW-00002	POTABLE WATER SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-SA-00001	AUXILIARY STEAM SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-SA-00002	AUXILIARY STEAM SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-SA-00003	AUXILIARY STEAM SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-SD-00001	BOILER FEED PUMP TURBINE	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-SL-00001	STEAM SEAL SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-SL-00002	STEAM SEAL SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-TL-00001	WSAC CHEMICAL INJECTION SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-TL-00002	WSAC CHEMICAL INJECTION SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-WB-00001	CLOSED COOLING WATER SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-WB-00002	CLOSED COOLING WATER SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-WB-00003	CLOSED COOLING WATER SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-WD-00001	DEMINERALIZED WATER SYSTEM	Bechtel			Y
MECH-1		Approval	Mechanical	P&ID	25542-003-M6-WR-00001	RAW WATER SYSTEM	Bechtel			Y
MECH-1		Approval	Mechanical	P&ID	25542-003-M6-WS-00001	SERVICE WATER SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-WY-00001	MIRROR WASH SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-XW-00001	WASTE WATER SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-XW-00002	WASTE WATER SYSTEM	Bechtel			Y
MECH-1		Reference	Mechanical	P&ID	25542-003-M6-XW-00003	WASTE WATER SYSTEM	Bechtel			Y
MECH-1	G	Approval	Plant Design	Specification	25542-000-PI-00-00002	TECHNICAL SPEC FOR INSTALLATION OF PIPE SUPPORTS	Bechtel			Y
MECH-1	G	Approval	Plant Design	Drawing	25542-000-PH-00-0001-1	PIPE SUPPORT DRAWING, SHEET 1 - STATEMENT OF SPECIAL INSPECTIONS	Bechtel			Y
MECH-1	G	Approval	Plant Design	Drawing	25542-000-PH-00-0001-2	PIPE SUPPORT DRAWING, SHEET 2 - STATEMENT OF SPECIAL INSPECTIONS	Bechtel			Y
MECH-1	G	Approval	Plant Design	Drawing	25542-000-PH-00-0001-3	PIPE SUPPORT DRAWING, SHEET 3 - STATEMENT OF SPECIAL INSPECTIONS	Bechtel			Y
MECH-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG GENERAL ARRANGEMENT DRAWINGS	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG FEED PIPING ARRANGEMENT	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG FEED PIPING DETAILS	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG LEFT AND RIGHT SW PANELS	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG CORNER PANELS	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG FRONT AND REAR WALL PANELS	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG PANEL INLET AND OUTLET HEADERS	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG STEAM DRUM DETAILS	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSG STEAM DRUM INTERNAL ARRANGEMENT AND DETAILS	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	TUBING, HEADERS & PIPING REQS	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	SH PANEL INLET AND OUTLET HEADERS	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	HTSH OUTLET HEADER	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	LOWER LEVEL SH PIPING & FDR TUBE DTLS	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	UPPER LEVEL SH PIPING & REL TUBE DTLS	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SH SPRAY PIPE AND LINER	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	LOWER LEVEL RH PIPING ARRANGEMENT	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	UPPER LEVEL RH PIPING ARRANGEMENT	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	RH PANEL INLET & OUTLET HEADERS	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	MISC PIPING - DRUM, SUPPORTS / BOM	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SV STACKS, SUPPORTS & SILENCERS	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SPRING HANGERS & SUPPORTS	Vendor	No PE stamp - ASME	Jun-11	



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	BOILER NAMEPLATE	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	AS-BUILTS	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	MISC FW ATTACHMENTS	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSB PIPING AND INSTRUMENTATION DIAGRAMS	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Approval	Mechanical	List	25542-000-V1A-MBST-000##	INSTRUMENT LIST	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Approval	Mechanical	List	25542-000-V1A-MBST-000##	ELECTRICAL LOAD LIST	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Approval	Mechanical	List	25542-000-V1A-MBST-000##	ELECTRICAL HEAT TRACE POWER LIST	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	INSTRUMENT LOCATION DRAWINGS	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	ELECTRICAL EQUIPMENT LAYOUT	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	INSTRUMENT INSTALLATION DETAILS	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	NA	Reference	Mechanical	Document	25542-000-V1A-MBST-000##	ISO CERTIFICATE OR QUALITY ASSURANCE MANUAL	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	NA	Reference	Mechanical	Document	25542-000-V1A-MBST-000##	OVERALL PROJECT SCHEDULE	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	NA	Reference	Mechanical	Document	25542-000-V1A-MBST-000##	SUPPLIER QUALITY MANAGEMENT PROGRAM	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	Column-baseplate locations on the SRSB support platform (elevation 359 ft. above grade)	Vendor	No PE stamp - ASME	Jun-11	#####
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	NTE column loads and loading	Vendor	No PE stamp - ASME	Jun-11	#####
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	Proposed framed steam arrangement and model (STAAD Model)	Vendor	No PE stamp - ASME	Jun-11	#####
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	Structural-Steel Standard Detail Drawings	Vendor	No PE stamp - ASME	Jun-11	#####
MECH-1	NA	Approval	Mechanical	Document	25542-000-V1A-MBST-000##	Stairway interface locations and loads	Vendor	No PE stamp - ASME	Jun-11	#####
MECH-1	NA	Approval	Mechanical	Document	25542-000-V1A-MBST-000##	Final Anchor-bolt sizes & locations for boiler support structure to boiler tower interface	Vendor	No PE stamp - ASME	Jun-11	#####
MECH-1	NA	Approval	Mechanical	Document	25542-000-V1A-MBST-000##	Steel Framing Design	Vendor	No PE stamp - ASME	Jun-11	#####
MECH-1	NA	Approval	Mechanical	Document	25542-000-V1A-MBST-000##	Structural and miscellaneous steel drawings-	Vendor	No PE stamp - ASME	Jun-11	#####
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	SRSB PIPING ARRANGEMENT DRAWINGS	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	KEY PLAN, INCLUDES ARRANGEMENT OF PUMPS, HOIST AND OTHER MAJOR	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	HOISTS ARRANGEMENT DRAWINGS	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	BOILER HANGER ASSEMBLY LUGS ARRANGEMENT DRAWING	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	NA	Reference	Mechanical	List	25542-000-V1A-MBST-000##	LINE LIST	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	NA	Reference	Mechanical	List	25542-000-V1A-MBST-000##	WELD LIST	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	CONCEPTUAL BLOCK DIAGRAM	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBST-000##	ELECTRICAL WIRING DIAGRAMS	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	G	Approval	Mechanical	Document	25542-000-V1A-MBST-000##	ELECTRONIC SUBMITTAL DATA - CABLES	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	NA	Reference	Mechanical	Document	25542-000-V1A-MBST-000##	BOILER PERFORMANCE TEST PROCEDURE	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	NA	Reference	Mechanical	Document	25542-000-V1A-MBST-000##	NARRATIVE DESCRIBING DEGREE OF SHOP ASSEMBLY AND ERECTION	Vendor	No PE stamp - ASME	Jun-11	
MECH-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MBST-000##	DRAWINGS FOR LIFTING AND TILTING BEAMS	Vendor	No PE stamp - ASME	Jun-11	
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MBFD-000##	AUXILIARY BOILER ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp - ASME	Jul-11	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MBFD-000##	AUXILIARY BOILER GENERAL ARRANGEMENT / LAYOUT	Vendor	No PE stamp - ASME	Jun-11	
STRUC-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MBFD-000##	AUXILIARY BOILER FOUNDATION INTERFACE DRAWING (INCLUDING	Vendor	No PE stamp - ASME	Jun-11	
MECH-2	NA	Approval	Mechanical	Document	25542-000-V2A-MBFD-000##	NIGHT PRESERVATION BOILER ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp - ASME	Jun-11	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V2A-MBFD-000##	NIGHT PRESERVATION BOILER GENERAL ARRANGEMENT / LAYOUT	Vendor	No PE stamp - ASME	Jul-11	
STRUC-1	NA	Approval	Mechanical	Drawing	25542-000-V2A-MBFD-000##	NIGHT PRESERVATION BOILER FOUNDATION INTERFACE DRAWING	Vendor	No PE stamp - ASME	Jul-11	
MECH-2	NA	Approval	Mechanical	Document	25542-000-V1A-MBHS-000##	ELECTRICAL SUPERHEATER ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp	Jun-11	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MBHS-000##	ELECTRICAL SUPERHEATER SUPERHEATER GENERAL ARRANGEMENT	Vendor		Jul-11	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MBHS-000##	ELECTRICAL SUPERHEATER FOUNDATION INTERFACE DRAWING	Vendor		Jul-11	
MECH-2	NA	Approval	Mechanical	Document	25542-000-V1A-MCRA-000##	AIR COMPRESSOR, AIR RECEIVERS AND AIR DRYERS ASME CODE COMPLIANCE	Vendor	No PE stamp -	Jun-11	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MCRA-000##	AIR COMPRESSOR GENERAL ARRANGEMENT (INCLUDES FOUNDATION INTERFACE	Vendor		Jun-11	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MCRA-000##	AIR DRYER GENERAL ARRANGEMENT (INCLUDES FOUNDATION INTERFACE	Vendor		Jun-11	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MCRA-000##	AIR RECEIVER GENERAL ARRANGEMENT (INCLUDES FOUNDATION INTERFACE	Vendor		Jun-11	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MEAA-000##	ACC GENERAL ARRANGEMENT	Vendor		Jun-11	
STRUC-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MEAA-000##	ACC FOUNDATION INTERFACE DRAWING	Vendor		Jun-11	
STRUC-1	G	Approval	Mechanical	Document	25542-000-V1A-MEAA-000##	ACC ATTACHMENT DETAILS, LOADS (SNOW, WIND, SEISMIC, ETC.), AND	Vendor		Jun-11	
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MEAA-000##	ACC ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp -	11*	
STRUC-1	G	Approval	Mechanical	Document	25542-000-V1A-MEAA-000##	ACC STRUCTURAL DESIGN CALCULATIONS	Vendor		Jun-11	
STRUC-1	G	Approval	Mechanical	Document	25542-000-V1A-MEAA-000##	ACC STATEMENT OF SPECIAL INSPECTIONS	Bechtel		Jun-11	
STRUC-1	NA	Approval	Mechanical	Resume	25542-000-V1A-MEAA-000##	PE RESUME	Vendor		Jun-11	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MEAW-000##	WSAC GENERAL ARRANGEMENT	Vendor	#####		
STRUC-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MEAW-000##	WSAC FOUNDATION INTERFACE DRAWING	Vendor	#####		
STRUC-1	NA	Approval	Mechanical	Resume	25542-000-V1A-MEAW-000##	WSAC PE RESUME	Vendor	#####		
STRUC-1	NA	Approval	Mechanical	Calculation	25542-000-V1A-MEAW-00113	STRUC CALC FOR WSAC MODEL	Vendor			Y
STRUC-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MEAW-00011	PIPING EQUIPMENT OUTLINE AND ANCHOR BOLT PLAN MODEL	Vendor			Y
STRUC-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MEAW-00012	WSAC MODEL 4416XL PROPYLENE GLYCOL COOLER GENERAL ARRANGEMENT	Vendor			Y
STRUC-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MEAW-00013	WSAC MODEL 4416XL PROPYLENE GLYCOL COOLER GENERAL ARRANGEMENT	Vendor			Y
STRUC-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MEAW-00014	WSAC MODEL 4416XL PROPYLENE GLYCOL COOLER GENERAL ARRANGEMENT	Vendor			Y
STRUC-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MEAW-00015	WSAC MODEL 4416XL PROPYLENE GLYCOL COOLER GENERAL ARRANGEMENT	Vendor			Y
STRUC-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MEAW-00017	STRUC CALC'S AND RECOMMENDATIONS	Vendor			Y
STRUC-1	NA	Approval	Mechanical	Calculation	25542-000-V1A-MEAW-00016	WSAC MODEL 4416XL PROPYLENE GLYCOL COOLER GENERAL ARRANGEMENT	Vendor			Y
STRUC-1	NA	Approval	Mechanical	Drawing	25542-000-V1A-MEAW-00117	WSAC MODEL 4416XL PROPYLENE GLYCOL COOLER SEISMIC LOADING DATA	Vendor			Y
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MESW-000##	FEED WATER HEATERS ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp - ASME	Jun-11	
STRUC-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-MESW-000##	FEED WATER HEATERS GENERAL ARRANGEMENT DRAWING	Vendor		Jun-11	
STRUC-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MESW-000##	FEED WATER HEATERS FOUNDATION INTERFACE DRAWING	Vendor		Jun-11	
STRUC-1	NA	Approval	Mechanical	Resume	25542-000-V1A-MESW-000##	PE RESUME	Vendor		Jun-11	
STRUC-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MGED-000##	DIESEL GENERATOR SYSTEM GENERAL ARRANGEMENT (INCL FOUNDATION	Vendor		Jun-11	
STRUC-1	G	Approval	Mechanical	Drawing	25542-000-V1A-MGED-000##	DIESEL GENERATOR STRUCTURAL CALCULATION	Vendor		Jun-11	
STRUC-4	NA	Approval	Mechanical	Drawing	25542-000-V1A-MGED-000##	DIESEL TANK GENERAL ARRANGEMENT AND CALCULATION	Vendor		Jun-11	
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MGED-000##	EMERGENCY DIESEL GENERATOR FOUNDATION	Vendor		Jun-11	
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MGED-000##	PE RESUME	Vendor		Jun-11	
AQSC-9	NA	Approval	Mechanical	Document	25542-000-V1A-MGED-000##	DIESEL ENGINE SPECIFICATION (CUT SHEET) FOR CPM	Vendor	No PE stamp	11*	
ELEC-1	G	Approval	Mechanical	Document	25542-000-V1A-MGED-000##	DIESEL GENERATOR ONE LINE DIAGRAM	Vendor		Jun-11	
AQ-35	NA	Approval	Mechanical	Document	25542-000-V1A-MGED-000##	DIESEL ENGINE HOUR TIMER SPECIFICATION FOR CPM	Vendor	No PE stamp		
STRUC-1	G	Reference	Civil	Drawing	25542-000-V1A-MPGF-000##	FIRE WATER PUMP GENERAL ARRANGEMENT (INCL FOUNDATION LOAD DATA)	Vendor	#####		
STRUC-4	G	Approval	Mechanical	Drawing	25542-000-V1A-MPGF-000##	FIRE WATER PUMP DIESEL TANK GENERAL ARRANGEMENT AND CALCULATION	Vendor	#####		
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MPGF-000##	PE RESUME	Vendor	#####		
AQSC-9	NA	Approval	Mechanical	Document	25542-000-V1A-MPGF-000##	FIRE WATER PUMP DIESEL ENGINE SPECIFICATION (CUT SHEET) FOR CPM	Vendor	No PE stamp	Jun-11	
AQ-27	NA	Approval	Mechanical	Document	25542-000-V1A-MPGF-000##	FIRE WATER PUMP HOUR TIMER SPECIFICATION FOR CPM	Vendor	No PE stamp	10-Jan	
STRUC-4	NA	Reference	Mechanical	Drawing	25542-000-V1A-MPPM-000##	CHEMICAL FEED SKIDS GENERAL ARRANGEMENT DRAWINGS	Vendor		Jul-11	
MECH-2	NA	Approval	Mechanical	Document	25542-000-V1A-MSXF-000##	FUEL GAS HEATER ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp -	Jun-11	
MECH-2	NA	Approval	Mechanical	Document	25542-000-V1A-MSXF-000##	FUEL GAS KNOCKOUT DRUM ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp -	Jun-11	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-ETM0-00001	JENSEN PRECAST 18X18X10 ELECTRICAL MANHOLE, YM108	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-ETM0-00002	JENSEN PRECAST 24X24X10 ELECTRICAL MANHOLE, YM107	Vendor			Y
STRUC-1	NA	Reference	Civil	Drawing	25542-000-V1A-MSXF-000##	KNOCK OUT DRUM GENERAL ARRANGEMENT (INCL FOUNDATION INTERFACE	Vendor		Jul-11	
STRUC-1	NA	Reference	Civil	Drawing	25542-000-V1A-MSXF-000##	FUEL GAS ELECTRIC HEATER GENERAL ARRANGEMENT (INCL FOUNDATION	Vendor		Jul-11	
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MT00-000##	FIELD ERECTED TANK GENERAL DRAWING (INCL FOUNDATION INTERFACE DATA)	Vendor		Jun-11	
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-MT00-000##	CODE DESIGN CALCULATIONS - RAW/FIRE WATER STORAGE TANK	Vendor		Jun-11	



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MT00-000##	FIELD ERRECTED TANK GENERAL DRAWING (INCL FOUNDATION INTERFACE DATA)	Vendor		Jun-11	
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-MT00-000##	CODE DESIGN CALCULATIONS - DEMINERALIZED WATER STORAGE TANK	Vendor		Jun-11	
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MT00-000##	FIELD ERRECTED TANK GENERAL DRAWING (INCL FOUNDATION INTERFACE DATA)	Vendor		Jun-11	
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-MT00-000##	CODE DESIGN CALCULATIONS - MIRROR WASH WATER STORAGE TANK	Vendor		Jun-11	
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MT00-000##	PE RESUME	Vendor		Jun-11	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-MTSC-000##	SRSG BLOWDOWN TANK GENERAL ARRANGEMENT (INCL FOUNDATION	Vendor		Jun-11	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-MTSC-000##	SRSG FLASH TANK GENERAL ARRANGEMENT (INCL FOUNDATION INTERFACE	Vendor		Jun-11	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-MTSC-000##	CLOSED COOLING WATER CHEMICAL FEED TANK GENERAL ARRANGEMENT	Vendor		Jun-11	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-MTSC-000##	CLOSED COOLING WATER HEAD TANK LOAD DATA	Vendor		Jun-11	
MECH-2	NA	Approval	Mechanical	Document	25542-000-V1A-MTSC-000##	ASME CODE COMPLIANCE DOCUMENTS (PRESSURE VESSEL)	Vendor	No PE stamp -	#####	
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MTSC-000##	PE RESUME	Vendor		Jun-11	
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MUSG-000##	STEAM TURBINE GENERATOR ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp -	#####	
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MUSG-000##	STEAM TURBINE GENERATOR ENCLOSURE	Vendor		#####	
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MUSG-000##	STEAM TURBINE GENERATOR ENCLOSURE STATEMENT OF SPECIAL	Vendor		#####	
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MUSG-000##	STEAM TURBINE GENERATOR FOUNDATION LOADS AND DESIGN REQUIREMENT	Vendor		#####	
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MUSG-000##	STEAM TURBINE GENERATOR FOUNDATION LAYOUT	Vendor		#####	
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MUSG-000##	STEAM TURBINE GENERATOR CIVIL INFORMATION AND GENERAL	Vendor		#####	
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MUSG-000##	PE RESUME	Vendor		#####	
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MVR0-000##	DEAERATOR ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp -	#####	
STRUC-1	NA	Reference	Civil	Drawing	25542-000-V1A-MVR0-000##	DEAERATOR GENERAL ARRANGEMENT DRAWING	Vendor	No PE stamp -	#####	
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MVR0-000##	DEAERATOR FOUNDATION INTERFACE DRAWING	Vendor		#####	
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MVR0-000##	PE RESUME	Vendor		#####	
STRUC-1	G	Approval	Civil	Drawing	25542-000-V1A-MVR0-000##	DEAERATOR STRUCTURAL STEEL STATEMENT OF SPECIAL INSPECTIONS (CBC	Vendor		#####	
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MWDC-000##	CONDENSATE POLISHER VESSELS ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp -	#####	
STRUC-1	G	Reference	Civil	Drawing	25542-000-V1A-MWDC-000##	CONDENSER POLISHER FOUNDATION INTERFACE DRAWING	Vendor		#####	
MECH-2	G	Approval	Mechanical	Document	25542-000-V1A-MWKV-000##	HYDRO-PNEUMATIC TANK ASME CODE COMPLIANCE DOCUMENTS	Vendor	No PE stamp -	#####	
MECH-1	NA	Approval	Mechanical	Document	25542-000-V1A-PH00-000##	QUALITY ASSURANCE PROGRAM MANUAL	Vendor			Y
MECH-1	NA	Approval	Mechanical	Document	25542-000-V1A-PH00-000##	APPLICATION FOR APPROVED FABRICATOR STATUS	Vendor			Y
MECH-1	NA	Approval	Mechanical	Document	25542-000-V1A-PH00-000##	U STAMP - CERTIFICATE OF AUTHORIZATION	Vendor			Y
MECH-1	NA	Approval	Mechanical	Document	25542-000-V1A-PH00-000##	AWIS WELDING INSPECTOR CERTIFICATE	Vendor			Y
MECH-1	NA	Approval	Mechanical	Document	25542-000-V1A-PH00-000##	ISO 9001:2008 CERTIFICATE	Vendor			Y
MECH-1	NA	Approval	Mechanical	Document	25542-000-V1A-PH00-000##	U STAMP - CERTIFICATE OF AUTHORIZATION	Vendor			Y
MECH-1	NA	Approval	Mechanical	Document	25542-000-V1A-PH00-000##	CONFIDENTIALITY REPORT PER ASME SECTION IX	Vendor			Y
MECH-1	NA	Reference	Mechanical	Drawing	25542-000-V1A-PY21-000##	FIRE PROTECTION SYSTEM LEGEND, DRAWING INDEX AND GENERAL NOTES	Vendor		#####	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-PY21-000##	FIRE PROTECTION SYSTEM TYPICAL DEVICE LAYOUT, MOUNTING AND WIRING	Vendor		#####	
MECH-1	NA	Reference	Mechanical	Document	25542-000-V1A-PY21-000##	FIRE PROTECTION SYSTEM BILL OF MATERIAL	Vendor		#####	
MECH-1	G	Approval	Mechanical	Document	25542-000-V1A-PY21-000##	FIRE PROTECTION SYSTEM HYDRAULIC CALCULATIONS	Vendor		#####	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-PY21-000##	FIRE CONTROL PANEL, CONTROLS & WIRING DETAILS	Vendor		#####	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-PY21-000##	FIRE EXTINGUISHER LOCATION PLANS	Vendor		#####	
MECH-1	G	Approval	Mechanical	Drawing	25542-000-V1A-PY21-000##	FIRE PROTECTION SYSTEM TYPICAL ISOMETRIC DRAWINGS	Vendor		#####	
MECH-1	NA	Approval	Mechanical	Resume	25542-000-V1A-PY21-000##	PE RESUME	Vendor		#####	
STRUC-1	G	Reference	Civil	Drawing	25542-000-V1A-MPG0-000##	BOILER FEED PUMP GENERAL ARRANGEMENT DRAWING (INCL FOUNDATION	Vendor		#####	
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MPG0-000##	PE RESUME	Vendor		#####	
STRUC-4	NA	Approval	Civil	Drawing	25542-000-V1A-MPG0-000##	BOILER FEED PUMP LUBE OIL TANK GENERAL ARRANGEMENT AND	Vendor		#####	
STRUC-4	NA	Approval	Civil	Drawing	25542-000-V1A-MPG0-000##	BOILER FEED PUMP HYDRAULIC OIL TANK GENERAL ARRANGEMENT AND	Vendor		#####	
STRUC-1	NA	Reference	Civil	Drawing	25542-000-V2A-MPG0-000##	STARTUP BOILER FEED PUMP GENERAL ARRANGEMENT DRAWING (INCL	Vendor		#####	
STRUC-1	G	Approval	Civil	Document	25542-000-V1A-MLGP-000##	OIL WATER SEPERATOR STRUCTURAL CALCULATION	Vendor		Jun-11	
STRUC-1	NA	Approval	Civil	Resume	25542-000-V1A-MLGP-000##	PE RESUME	Vendor		Jun-11	
STRUC-1	NA	Approval	Civil	Report	25542-000-V1A-MXHS-000##	Geotechnical Study	Vendor			Y
STRUC-1	NA	Approval	Civil	Report	25542-000-V1A-MXHS-000##	RELIOSTAT WIND TUNNEL TEST REPORT	Vendor			Y
STRUC-1	NA	Approval	Civil	Data Sheet	25542-000-V1A-MXHS-000##	RELIOSTAT MATERIAL AND FASTENER DATA SHEETS	Vendor			Y
STRUC-1	NA	Approval	Civil		25542-000-V1A-MXHS-000##	RELIOSTAT DESIGN SUMMARY	Vendor			Y
STRUC-1	NA	Approval	Civil		25542-000-V1A-MXHS-000##	RELIOSTAT DRAWINGS PACKAGE	Vendor			Y
STRUC-1	NA	Approval	Civil		25542-000-V1A-MXHS-000##	RELIOSTAT EARTHQUAKE LOAD ANALYSIS	Vendor			Y
STRUC-1	NA	Approval	Civil		25542-000-V1A-MXHS-000##	RELIOSTAT WIND LOAD ANALYSIS	Vendor			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-V1A-UA11-000##	CALCULATION FOR 12 X 30 MODULAR OFFICE FACILITY	Vendor			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-V1A-UA11-000##	CALCULATION FOR 12 X 30 MODULAR OFFICE UNIT	Vendor			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-V1A-UA11-000##	CALCULATION FOR 24 X 30 AND 36 X 30 MODULAR OFFICE UNITS	Vendor			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-V1A-UA11-000##	CALCULATION FOR 12 X 44 MODULAR RESTROOM UNIT	Vendor			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-V1A-UA11-000##	CALCULATION FOR 24 X 45 MODULAR OFFICE UNIT	Vendor			Y
STRUC-1	NA	Approval	Civil	Certificate	25542-000-V1B-AK00-000##	GEN APPLICATION FOR APPROVED FABRICATOR STATUS	Vendor			Y
STRUC-1	NA	Approval	Civil	Certificate	25542-000-V1B-AK00-000##	GEN AISC CERTIFICATE	Vendor			Y
STRUC-1	NA	Approval	Civil	Application	25542-000-V1B-AK00-000##	GEN HAS CERTIFICATE	Vendor			Y
STRUC-1	NA	Approval	Civil	Audit	25542-000-V1B-AK00-000##	GEN FABRICATORS QUALITY MANUAL	Vendor			Y
STRUC-1	NA	Approval	Civil	Manual	25542-000-V1B-AK00-000##	ASCC AUDIT OF GEN FABRICATORS	Vendor			Y
STRUC-1	NA	Approval	Civil	CAD/3D Model	25542-000-V1B-AK00-000##	STRUCTURAL CALC 81FT X 116 FT PAVILION PAD BOND BUILDING	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-000##	PAD BUILDING LOAD DRAWING	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-000##	PAD BUILDING BUILDING - 81FT X 116 FT PAVILION FABRIC INSTALLATION DETAILS	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-000##	PAD BOND BUILDING - 81FT X 116FT PAVILION ENDWALL	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-000##	PAD BOND BUILDING - 81FT X 116FT PAVILION ENDWALL SECTION	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-000##	PAD BOND BUILDING - 81FT X 116FT PAVILION ENDWALL	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-000##	PAD BOND BUILDING - 81FT X 116FT PAVILION GENERAL NOTES	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-000##	PAD BOND BUILDING - 81FT X 116FT PAVILION WIRE ROUTE	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-000##	PAD BOND BUILDING - 81FT X 116FT PAVILION FRAMES, CONNECTIONS, AND	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-000##	PAD BOND BUILDING - 81FT X 116FT PAVILION ENDWALL INSTALLATION	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-000##	PAD BOND BUILDING - 81FT X 116FT PAVILION DOOR HEADER AND VENT	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-000##	PAD BOND BUILDING - 81FT X 116FT PAVILIONPOCKET BEAM INSTALLATION	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-000##	PAD BOND BUILDING - 81FT X 116FT PAVILION FABRIC INSTALLATION DETAILS	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-000##	PAD BOND BUILDING - 81FT X 116FT PAVILION FRAME LEG L1, L1M, L2	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-000##	PAD BOND BUILDING - 81FT X 116FT PAVILION EAVE CURVE C1 AND C2	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-000##	PAD BOND BUILDING - 81FT X 116FT PAVILION TOP CURVE C1T AND C2T	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-000##	PAD BOND BUILDING - 81FT X 116FT PAVILION S WRIGHT S1 AND S2	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-000##	PAD BOND BUILDING - 81FT X 116FT PAVILION PURLIN P1, P2, AND X BRACING	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-000##	PAD BOND BUILDING - 81FT X 116FT PAVILION SNOW BREAK P3	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-000##	PAD BOND BUILDING - 81FT X 116FT PAVILION POCKET BEAM P81 - P812	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-000##	PAD BOND BUILDING - 81FT X 116FT PAVILION GIRT G1 - G10	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-000##	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W1	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-000##	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W2	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-000##	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W3	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-000##	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W4	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1B-AK00-000##	PAD BOND BUILDING - 81FT X 116FT PAVILION COLUMN W5	Vendor			Y



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00118	PAD BOND BUILDING - 81FT X 118FT PAVILION COLUMN W6	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00119	PAD BOND BUILDING - 81FT X 118FT PAVILION COLUMN W7	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00120	PAD BOND BUILDING - 81FT X 118FT PAVILION COLUMN W8	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00121	PAD BOND BUILDING - 81FT X 118FT PAVILION 22 FEET OVERHEAD DOOR	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00122	PAD BOND BUILDING - 81FT X 118FT PAVILION OVERHEAD DOOR HEADER W77-2	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00123	PAD BOND BUILDING - 81FT X 118FT PAVILION OVERHEAD DOOR HEADER W77-3	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00124	PAD BOND BUILDING - 81FT X 118FT PAVILION OVERHEAD DOOR HEADER W77-4	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00125	PAD BOND BUILDING - 81FT X 118FT PAVILION DOOR POST W77-1	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00126	PAD BOND BUILDING - 81FT X 118FT PAVILION TYPICAL TRUSS DETAIL	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00127	PAD BOND BUILDING - 81FT X 118FT PAVILION HARDWARE DETAILS	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00128	PAD BOND BUILDING - 81FT X 118FT PAVILION VENT FRAME V1	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00129	PAD BOND BUILDING - 81FT X 118FT PAVILION DETAIL OF GALVANIZED DRAIN	Vendor			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-VTB-AK00-00092	STRUCTURAL CALCULATIONS 121FT X 400FT PAVILION HELIOSTAT ASSEMBLY	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00099	HELIOSTAT ASSEMBLY BUILDING LOAD DRAWINGS	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00040	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION DOOR INSTALLATION	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00044	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION GENERAL MAP	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00045	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION ENDWALL	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00046	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION MIDDLE SECTION NO	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00047	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION MIDDLE SECTION GC	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00048	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION ENDWALL 2	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00049	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION SIDEWALL E	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00050	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION SIDEWALL S	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00051	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION GENERAL NOTES	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00052	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION WIRE ROPE	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00053	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION RAMES	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00054	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION RAMES	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00055	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION RAMES	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00056	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION ENDWALL	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00042	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION ENDWALL	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00020	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION POCKET BEAM	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00101	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION FABRIC	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00032	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION FRAME LEGS L1, L1M	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00064	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION FRAME LEGS L1, L1M	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00065	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION LOW STRAIGHT S1	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00130	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION MIDDLE STRAIGHT S2	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00131	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION TOP STRAIGHT S3	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00132	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION LEG T1, L1M	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00133	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION STRAIGHT S11, S11M	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00134	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION PURLIN P1, P2, P3	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00135	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION GIRT AND DOOR	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00136	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION POCKET BEAM PB1	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00137	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION COLUMN W1	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00138	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION COLUMN W2	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00139	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION COLUMN W3	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00140	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION COLUMN W4	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00141	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION COLUMN W5	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00142	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION COLUMN W6	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00143	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION DOOR HEADER H77-1	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00144	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION DOOR POST W77-1	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00145	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION DOOR POST W77-2	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00146	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION DOOR HEADER H2	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00147	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION TYPICAL TRUSS	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00148	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION HARDWARE DETAILS	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00152	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION PURLIN P5, P6	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00153	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION PURLIN P4 AND X1	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-AK00-00154	HELIOSTAT ASSEMBLY BUILDING - 121FT X 400FT PAVILION DETAIL OF	Vendor			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-VTB-0A11-00091	STRUCTURAL ENGINEERING REPORT FOR 84X120X30 FABRIC COVERED	Vendor			Y
TSE-5	T	Approval	STE/Civil	Document	25542-000-3DR-C04G-00001	SWITCHYARD STRUCTURAL DESIGN CRITERIA	Bechtel		Aug-	
TSE-5	T	Approval	Document	Document	25542-000-3DR-C04G-00002	115 KV SWITCHYARD CIVIL - STRUCTURAL DESIGN CRITERIA	Vendor			Y
TSE-5	T	Approval	STE/Civil	Drawing	25542-001-DB-3510-00001	SWITCHYARD CONCRETE FOUNDATION GENERAL ARRANGEMENT PLAN	Bechtel		####	
TSE-5	T	Approval	STE/Civil	Drawing	25542-002-DB-3510-00001	SWITCHYARD CONCRETE FOUNDATION GENERAL ARRANGEMENT PLAN	Bechtel		####	
TSE-5	T	Approval	STE/Civil	Drawing	25542-003-DB-3510-00001	SWITCHYARD CONCRETE FOUNDATION GENERAL ARRANGEMENT PLAN	Bechtel		####	
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-DB-3590-00001	SWITCHYARD CONCRETE FOUNDATIONS CT AND VT	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-DB-3590-00002	SWITCHYARD CONCRETE FOUNDATIONS BS AND SA	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-DB-3590-00003	SWITCHYARD CONCRETE FOUNDATIONS CB AND DS	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00001	FOUNDATION CALC - 115 KV BUS SUPPORT	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00002	FOUNDATION CALC - 115 KV CIRCUIT BREAKER	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00003	FOUNDATION CALC - 115 KV CURRENT TRANSFORMER	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00004	FOUNDATION CALC - 115 KV DISCONNECT SWITCH	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00005	FOUNDATION CALC - 115 KV SURGE ARRESTER	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00006	FOUNDATION CALC - 115 KV VOLTAGE TRANSFORMER	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-DBC-3510-00007	FOUNDATION CALC - 115 KV CABLE TERMINATOR	Bechtel		####	
TSE-5	T	Approval	STE/Elect	Drawing	25542-001-E1-EZ-00001	SWITCHYARD SINGLE LINE METER & RELAY DIAGRAM	Bechtel		####	Y
TSE-5	T	Approval	STE/Elect	Drawing	25542-002-E1-EZ-00001	UNIT 2 115KV SWITCHYARD SINGLE LINE METER & RELAY DIAGRAM	Bechtel			Y
TSE-5	T	Approval	STE/Elect	Drawing	25542-003-E1-EZ-00001	UNIT 3 115KV SWITCHYARD SINGLE LINE METER & RELAY DIAGRAM	Bechtel			Y
TSE-5	T	Approval	STE/Elect	Drawing	25542-000-EG-3510-00001	SWITCHYARD GROUNDING PLAN	Bechtel		####	
TSE-5	T	Approval	STE/Elect	Drawing	25542-000-EG-3590-00002	SWITCHYARD GROUNDING SECTIONS AND DETAILS	Bechtel		####	
TSE-5	T	Approval	STE/Elect	Calculation	25542-001-EMC-EZ-00001	SWITCHYARD RELAY SETTINGS	Bechtel		####	
TSE-5	T	Approval	STE/Elect	Calculation	25542-002-EMC-EZ-00001	SWITCHYARD RELAY SETTINGS	Bechtel		####	
TSE-5	T	Approval	STE/Elect	Calculation	25542-003-EMC-EZ-00001	SWITCHYARD RELAY SETTINGS	Bechtel		####	
TSE-5	T	Approval	STE/Elect	Drawing	25542-000-ER-3501-00001	SWITCHYARD UNDERGROUND RACEWAY PLAN	Bechtel		####	
TSE-5	T	Approval	STE/Elect	Drawing	25542-000-ER-3510-00001	SWITCHYARD ABOVE GRADE CONDUIT DETAILS	Bechtel		####	
TSE-5	T	Approval	STE/Elect	Drawing	25542-001-EZ-3510-00001	SWITCHYARD GENERAL ARRANGEMENT	Bechtel		####	
TSE-5	T	Approval	STE/Elect	Drawing	25542-002-EZ-3510-00001	SWITCHYARD GENERAL ARRANGEMENT	Bechtel		####	
TSE-5	T	Approval	STE/Elect	Drawing	25542-003-EZ-3510-00001	SWITCHYARD GENERAL ARRANGEMENT	Bechtel		####	
TSE-5	T	Approval	STE/Elect	Drawing	25542-000-EZ-3590-00001	SWITCHYARD SECTIONS AND DETAILS	Bechtel		####	
TSE-5	T	Approval	STE/Elect	Drawing	25542-000-EZ-3590-00002	SWITCHYARD ELECTRICAL HARDWARE DETAILS	Bechtel		####	
TSE-5	T	Approval	STE/Civil	Drawing	25542-001-SS-3510-00001	SWITCHYARD EQUIPMENT SUPPORT STRUCTURES ARRANGEMENT PLAN	Bechtel		####	
TSE-5	T	Approval	STE/Civil	Drawing	25542-002-SS-3510-00001	SWITCHYARD EQUIPMENT SUPPORT STRUCTURES ARRANGEMENT PLAN	Bechtel		####	
TSE-5	T	Approval	STE/Civil	Drawing	25542-003-SS-3510-00001	SWITCHYARD EQUIPMENT SUPPORT STRUCTURES ARRANGEMENT PLAN	Bechtel		####	
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-SS-3590-00001	INSULATOR	Bechtel		Jun-11	



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-SS-3590-00002	SWITCHYARD STRUCTURAL STEEL EQUIPMENT SUPPORT STRUCTURE FOR DS	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-SS-3590-00003	SWITCHYARD STRUCTURAL STEEL EQUIPMENT SUPPORT STRUCTURE FOR CT	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-SS-3590-00004	SWITCHYARD STRUCTURAL STEEL EQUIPMENT SUPPORT STRUCTURE FOR VT	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Drawing	25542-000-SS-3590-00005	SWITCHYARD STRUCTURAL STEEL EQUIPMENT SUPPORT STRUCTURE FOR SA	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-SSC-3510-00001	STRUCTURAL CALC - 115 KV BUS SUPPORT	Bechtel		Apr-11	Y
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-SSC-3510-00002	STRUCTURAL CALC - 115 KV CURRENT TRANSFORMER SUPPORT	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-SSC-3510-00003	STRUCTURAL CALC - 115 KV SURGE ARRESTER SUPPORT	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-SSC-3510-00004	STRUCTURAL CALC - 115 KV VOLTAGE TRANSFORMER SUPPORT	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Civil	Calculation	25542-000-SSC-3510-00005	STRUCTURAL CALC - 115 KV DISCONNECT SWITCH STEEL SUPPORT	Bechtel		Jun-11	
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EMC3-000##	DATA SHEET FOR HV CURRENT TRANSFORMER	Vendor		#####	
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EMT3-000##	DATA SHEET FOR VOLTAGE TRANSFORMER	Vendor		#####	
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-ENA3-000##	DATA SHEET FOR HV CIRCUIT BREAKER	Vendor		#####	
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-E200-00000	UNIT 2 AND 3 115/33KV OVERHEAD LINE PLAN AND PROFILE SHEET 1 OF 5	Vendor			Y
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-E200-00001	UNIT 2 AND 3 115/33KV OVERHEAD LINE PLAN AND PROFILE SHEET 2 OF 5	Vendor			Y
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-E200-00002	UNIT 2 AND 3 115/33KV OVERHEAD LINE PLAN AND PROFILE SHEET 3 OF 5	Vendor			Y
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-E200-00003	UNIT 2 AND 3 115/33KV OVERHEAD LINE PLAN AND PROFILE SHEET 4 OF 5	Vendor			Y
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-E200-00004	UNIT 2 AND 3 115/33KV OVERHEAD LINE PLAN AND PROFILE SHEET 5 OF 5	Vendor			Y
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-E200-00007	UNIT 2 AND 3 115/33KV OVERHEAD LINE STRUCTURE WORK LIST	Vendor			Y
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-E200-00008	45 DEGREE STRUCTURE LAYOUT	Vendor			Y
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-E200-00011	STRUCTURE LAYOUT	Vendor			Y
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-E200-00012	STRUCTURE LAYOUT	Vendor			Y
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-E200-00013	STRUCTURE ANGLE 18 DEGREE STRUCTURE LAYOUT	Vendor			Y
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-E200-00014	STRUCTURE LAYOUT	Vendor			Y
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-E200-00015	STRUCTURE LAYOUT	Vendor			Y
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-E200-00018	UNIT 2 AND 3 115/33KV OVERHEAD LINE MASTER MATERIAL LIST	Vendor			Y
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-E200-00021	UNIT 2 AND 3 115KV OVERHEAD LINE LOADING TREE AND FOUNDATION DETAIL	Vendor			Y
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-E200-00022	STRUCTURE 3 STRUCTURE LAYOUT	Vendor			Y
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-E200-00024	STRUCTURE LAYOUT	Vendor			Y
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-E200-00025	Unit 2 and 3 115/33KV Overhead Line Loading Tree and Foundation Detail	Vendor			Y
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-E200-00026	SPEC FOR STEEL TRANSMISSION POLES UNIT 1 AND 2	Vendor			Y
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-E200-00036	DESIGN CRITERIA FOR HIGH VOLTAGE TRANSMISSION LINES	Vendor			Y
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-E200-00041	SPEC FOR STEEL TRANSMISSION POLES	Vendor			Y
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-E200-00042	CONDUCTOR	Vendor			Y
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-E200-00043	PLS CADD STRUCTURE LOADS OUTPUT	Vendor			Y
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-E200-00050	Foundations	Vendor			Y
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-E200-00051	Foundations	Vendor			Y
TSE-5	T	Approval	STE/Elect.		25542-000-V1A-E200-00054	AND 20 NONCONFORMANCE REPORT	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-000##	DATA SHEET FOR HIGH VOLTAGE UNDERGROUND CABLE	Vendor		#####	
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00000	UNIT 1 - 115KV UNDERGROUND CABLE AND OVERHEAD LINE ROUTING PLAN	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00001	UNIT 1 - 115KV AND 33KV UNDERGROUND CABLE PARTIAL PLANS AND SECTIONS	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00004	PLAN	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00005	DETAILS	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00006	UNIT 1 - 115KV SYSTEM BONDING SCHEMATIC	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00007	UNIT 1 - 115KV SPLICE DETAIL	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00008	UNIT 1 - 115KV TRANSITION YARD COMMON AREA FENCE AND GATE DETAIL	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00009	ROUTING PLAN	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00016	TREES	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Resume	25542-000-V1A-EWZ0-00036	RESUME: NICHOL GRANT/ONS, ELECTRICAL ENGINEER	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Resume	25542-000-V1A-EWZ0-00037	RESUME: SCOTT KIRBY, CIVIL ENGINEER	Vendor			Y
TSE-5	T	Reference	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00038	UNIT 2 115KV UNDERGROUND CABLE AND OVERHEAD LINE ROUTING PLAN	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00037	SECTIONS	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00038	UNIT 2 115KV UNDERGROUND TO OVERHEAD DETAILED TRANSITION YARD PLAN	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00039	UNIT 2 115KV SYSTEM BONDING SCHEMATIC	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00040	UNIT 2 115KV TRANSITION YARD COMMON AREA FENCE AND GATE DETAIL	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00046	5	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Cover Letter	25542-000-V1A-EWZ0-00047	COVER LETTER	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Cover Letter	25542-000-V1A-EWZ0-00048	COVER LETTER	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00049	5	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00050	APPROACHING THE POWER PLANT SUBSTATION	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00052	5	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00057	4	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00054	4	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00055	5	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00056	STRUCTURE LOADS	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EWZ0-00057	25542 EOG-00000	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00063	DETAILS	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00064	4	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00065	4	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00066	4	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00067	SUPPORT STRUCTURE AND FOUNDATION	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00068	TREES	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00069	NO. 3	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00070	AND 9 - CALC NO. 2	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00080	Unit No. 3 115KV and 33KV Underground Cable and Overhead Line Routing Plan	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00081	Sections	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00082	Unit No. 3 115KV Underground to Overhead Transition Yard Plan	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00083	Unit No. 3 115KV Underground to Overhead Transition Yard Sections and Details	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00084	Unit No. 3 System Bonding Schematic	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00085	Unit No. 3 Splice Detail	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00086	Unit No. 3 115KV Transition Yard Common Area Fence and Gate Detail	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00087	Unit No. 3 115/33KV Line 33KV Rear Structure 37-2 Structure Layout	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00088	Unit No. 3 115KV Underground to Overhead Transition Structure Loading Trees	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00089	Unit No. 3 115KV and 33KV Underground Cable Plan and Profile Sh. 1 of 5	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00090	Unit No. 3 115KV and 33KV Underground Cable Plan and Profile Sh. 2 of 5	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00091	Unit No. 3 115KV and 33KV Underground Cable Plan and Profile Sh. 3 of 5	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00092	Unit No. 3 115KV and 33KV Underground Cable Plan and Profile Sh. 4 of 5	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00093	Unit No. 3 115KV and 33KV Underground Cable Plan and Profile Sh. 5 of 5	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Drawing	25542-000-V1A-EWZ0-00094	Parameters	Vendor			Y
TSE-5	T	Approval	STE/Elect.	Calculation	25542-000-V1A-EWZ0-00094	CALCULO A TOWER FOR 115KV CABLE (ADAPTED)	Vendor			Y
TSE-5	T	Approval	STE/Civil	Calculation	25542-001-V1A-EWZ0-000##	FOUNDATION CALC - 115 KV OHTL TAKEOFF TOWER	Vendor		#####	
TSE-5	T	Approval	STE/Civil	Calculation	25542-001-V1A-EWZ0-000##	STRUCTURAL CALC - 115 KV OHTL TAKEOFF TOWER	Vendor		#####	



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
TSE-5	T	Approval	STE/Elect.	Drawing	25542-001-V1A-EWZ0-000##	UNDERGROUND TRANSMISSION LINE ROUTING	Vendor		#####	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-001-V1A-EWZ0-000##	YARD GENERAL ARRANGEMENT	Vendor		#####	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-001-V1A-EWZ0-000##	YARD SECTIONS AND DETAILS	Vendor		#####	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-002-V1A-EWZ0-000##	UNDERGROUND TRANSMISSION LINE ROUTING	Vendor		#####	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-003-V1A-EWZ0-000##	UNDERGROUND TRANSMISSION LINE ROUTING	Vendor		#####	
TSE-5	T	Approval	STE/Elect.	Data Sheet	25542-000-V1A-EYG3-000##	DATA SHEET FOR HV SURGE ARRESTER	Vendor		#####	
TSE-5	Approval	STE/Civil	Calculation	25542-001-V1A-EZ00-000##	FOUNDATION CALC - 115 KV OVERHEAD TRANSMISSION LINE POLES	Vendor	DELETE	#####		
TSE-5	Approval	STE/Civil	Calculation	25542-001-V1A-EZ00-000##	LOADING TREE CALCULATION OVERHEAD TRANSMISSION LINE POLES	Vendor	DELETE	Apr-11		
TSE-5	Approval	STE/Civil	Drawing	25542-001-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE PLAN AND PROFILE	Vendor	DELETE	Apr-11		
TSE-5	Approval	STE/Civil	Drawing	25542-001-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE STRINGING CHART	Vendor	DELETE	Apr-11		
TSE-5	Approval	STE/Civil	Drawing	25542-001-V1A-EZ00-000##	FOUNDATIONS OVERHEAD TRANSMISSION LINE POLES	Vendor	DELETE	#####		
TSE-5	Approval	STE/Civil	Drawing	25542-001-V1A-EZ00-000##	LOADING TREE DIAGRAM FOR OVERHEAD TRANSMISSION LINE POLES	Vendor	DELETE	Apr-11		
TSE-5	T	Approval	STE/Civil	Calculation	25542-002-V1A-EZ00-000##	FOUNDATION CALC - 115 KV OVERHEAD TRANSMISSION LINE POLES	Vendor		#####	
TSE-5	T	Approval	STE/Civil	Calculation	25542-002-V1A-EZ00-000##	LOADING TREE CALCULATION OVERHEAD TRANSMISSION LINE POLES	Vendor		#####	
TSE-5	T	Approval	STE/Civil	Drawing	25542-002-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE PLAN AND PROFILE	Vendor		#####	
TSE-5	T	Approval	STE/Civil	Drawing	25542-002-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE STRINGING CHART	Vendor		#####	
TSE-5	T	Approval	STE/Civil	Drawing	25542-002-V1A-EZ00-000##	FOUNDATIONS OVERHEAD TRANSMISSION LINE POLES	Vendor		#####	
TSE-5	T	Approval	STE/Civil	Drawing	25542-002-V1A-EZ00-000##	LOADING TREE DIAGRAM FOR OVERHEAD TRANSMISSION LINE POLES	Vendor		#####	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-002-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE CONDUCTOR & SHIELD WIRE PLAN	Vendor		#####	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-002-V1A-EZ00-000##	YARD GENERAL ARRANGEMENT	Vendor		#####	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-002-V1A-EZ00-000##	YARD SECTIONS AND DETAILS	Vendor		#####	
TSE-5	T	Approval	STE/Civil	Calculation	25542-003-V1A-EZ00-000##	FOUNDATION CALC - 115 KV OVERHEAD TRANSMISSION LINE POLES	Vendor		#####	
TSE-5	T	Approval	STE/Civil	Calculation	25542-003-V1A-EZ00-000##	LOADING TREE CALCULATION OVERHEAD TRANSMISSION LINE	Vendor		#####	
TSE-5	T	Approval	STE/Civil	Drawing	25542-003-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE PLAN AND PROFILE	Vendor		#####	
TSE-5	T	Approval	STE/Civil	Drawing	25542-003-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE STRINGING CHART	Vendor		#####	
TSE-5	T	Approval	STE/Civil	Drawing	25542-003-V1A-EZ00-000##	FOUNDATIONS OVERHEAD TRANSMISSION LINE POLES	Vendor		#####	
TSE-5	T	Approval	STE/Civil	Drawing	25542-003-V1A-EZ00-000##	LOADING TREE DIAGRAMS FOR OVERHEAD TRANSMISSION LINE	Vendor		#####	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-003-V1A-EZ00-000##	OVERHEAD TRANSMISSION LINE CONDUCTOR & SHIELD WIRE PLAN	Vendor		#####	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-003-V1A-EZ00-000##	YARD GENERAL ARRANGEMENT	Vendor		#####	
TSE-5	T	Approval	STE/Elect.	Drawing	25542-003-V1A-EZ00-000##	YARD SECTIONS AND DETAILS	Vendor		#####	
TSE-2	NA	Approval	STE/Civil	Resume	25542-000-V1A-EWZ0-000##	Responsible Design Engineer for transmission structures Resume and Registration	Vendor		#####	Y
TSE-2	NA	Approval	STE/Elect.	Resume	25542-000-V1A-EWZ0-000##	Responsible Electrical Engineer Resume and Registration	Vendor		#####	Y
TSE-2	NA	Approval	STE/Elect.	Resume	25542-000-V1A-EZ00-000##	Responsible Design Engineer for transmission structures Resume and Registration	Vendor		#####	Y
TSE-2	NA	Approval	Electrical	Resume	25542-000-V1A-EZ00-000##	Responsible Electrical Engineer Resume and Registration	Vendor		#####	Y
TSE-5	T	Approval	STE/Elect.	Calculation	25542-000-V1A-EWZ0-000##	UNDERGROUND TRANSMISSION LINE AMPACITY CALCULATION	Vendor		#####	
TSE-5	T	Approval	STE/Elect.	Document	25542-000-V1A-EWZ0-000##	DESIGN CRITERIA FOR UNDERGROUND TRANSMISSION LINE	Vendor		#####	
TSE-5	T	Approval	STE/Elect.	Document	25542-000-V1A-EWZ0-000##	DESIGN CRITERIA FOR OVERHEAD TRANSMISSION LINE	Vendor		#####	
STRUC-1	G	Approval	Civil	Drawing	25542-000-C0-0090-00001	CIVIL/STRUCTURAL STANDARDS - SITE WORK SHEET 1 GENERAL NOTES &	Bechtel		10 A	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-C0-0090-00002	CIVIL/STRUCTURAL STANDARDS - EROSION & SEDIMENT CONTROL SHEET 2	Bechtel		10 A	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-C0-0090-00003	CIVIL/STRUCTURAL STANDARDS - SITE WORK SHEET 3 TYPICAL FENCING	Bechtel		10 A	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-C0-0090-00004	CIVIL/STRUCTURAL STANDARDS - SITE WORK SHEET 4 TYPICAL GRADING &	Bechtel		10 A	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-D0-0090-00001	CIVIL/STRUCTURAL STANDARDS - CONCRETE SHEET 1 GENERAL NOTES &	Bechtel		10 A	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-D0-0090-00002	CIVIL/STRUCTURAL STANDARDS - CONCRETE SHEET 2 TYPICAL SECTIONS AND	Bechtel		10 A	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-D0-0090-00003	CIVIL/STRUCTURAL STANDARDS - CONCRETE SHEET 3 TYPICAL SECTIONS AND	Bechtel		10 A	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-D0-0090-00004	CIVIL/STRUCTURAL STANDARDS - CONCRETE SHEET 4 TYPICAL SECTIONS AND	Bechtel		10 A	Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-S0-0090-00001	STATEMENT OF SPECIAL INSPECTIONS	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-S0-0090-00002	STATEMENT OF SPECIAL INSPECTIONS	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-S0-0090-00001	CIVIL/STRUCTURAL STANDARDS - STRUCTURAL STEEL SHEET 1 GENERAL	Bechtel		10 A	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-S0-0090-00002	CIVIL/STRUCTURAL STANDARDS - STRUCTURAL STEEL SHEET 2 TYPICAL	Bechtel		10 A	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-S0-0090-00003	CIVIL/STRUCTURAL STANDARDS - STRUCTURAL STEEL SHEET 3 TYPICAL	Bechtel		10 A	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-S0-0090-00004	CIVIL/STRUCTURAL STANDARDS - STRUCTURAL STEEL SHEET 4 TYPICAL	Bechtel		10 A	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-S0-0090-00005	CIVIL/STRUCTURAL STANDARDS - STRUCTURAL STEEL SHEET 5 TYPICAL	Bechtel	ACC	10 A	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-S0-0090-00006	CIVIL/STRUCTURAL STANDARDS - STRUCTURAL STEEL SHEET 6 TYPICAL	Bechtel	STG	10 A	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-S0-0090-00007	CIVIL/STRUCTURAL STANDARDS - STRUCTURAL STEEL SHEET 7 TYPICAL	Bechtel	ACC	10 A	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-S0-0090-00008	CIVIL/STRUCTURAL STANDARDS - STRUCTURAL STEEL SHEET 8 ERECTION &	Bechtel	STG	10 A	Y
STRUC-1	NA	Approval	Civil	Document	25542----	STATEMENT OF SPECIAL INSPECTIONS - BECHTEL CIVIL/STRUCTURAL WORK	Bechtel		Dec-	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-C0-0090-00001	SITE WORK SHEET 1 - NOTES, LEGEND AND DETAILS	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-C0-0090-00002	SITE WORK SHEET 2 EROSION AND SEDIMENT CONTROL SECTIONS AND DETAILS	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-C0-0090-00003	SITE WORK SHEET 3 - TYPICAL FENCING SECTIONS AND DETAILS	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-C0-0090-00004	SITE WORK SHEET 4 - TYPICAL GRADING AND SURFACING DETAILS	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-C0-0090-00005	SITE WORK SHEET 5 - TYPICAL GRADING AND SURFACING DETAILS	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-C0-0090-00006	SITE WORK SHEET 6 - TYPICAL FENCING SECTIONS AND DETAILS	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-C2-0000-00001	SITE PLAN	Bechtel		10 A	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-C2-0000-00002	VICINITY PLAN	Bechtel		10 A	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-C2-0000-00003	TOPOGRAPHY PLAN	Bechtel		10 A	Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-C3-0010-00001	UNITS 1 - 2 COMMON FENCE PLAN	Bechtel			Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-C2-0010-00006	INGRESS/STATION FENCE UNITS 1-2-3 COMMON AREA	Bechtel			Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-009-C2-0010-00001	CONSTRUCTION FACILITIES LAYOUT ARRANGEMENT UNIT 3 POWER BLOCK	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-009-C2-0010-00002	Common Area Construction Facilities Plan	Bechtel		10 A	Y
STRUC-1	NA	Approval	Civil	Drawing	25542-009-C2-0010-00002	CONSTRUCTION FACILITIES COMMON OFFICE AREA LAYOUT	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-009-C2-0010-00003	CONSTRUCTION FACILITIES COMMON OFFICE AREA LAYOUT	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-009-C2-0010-00004	CONSTRUCTION FACILITIES HAB AREA LAYOUT	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-009-C2-0090-00001	CONSTRUCTION FACILITIES COMMON OFFICE AREA SECTIONS AND DETAILS	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CD-0010-00003	Power Block Construction Facilities Plan	Bechtel		10 A	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CD-0000-00001	Hydrology Map Pre-Development	Bechtel		10 A	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CD-0000-00002	Hydrology Map Post-Development	Bechtel		10 A	Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CD-0090-00001	UNIT 1 AND COMMON PLANT ROAD CROSS DRAINS PLANS, SECTIONS AND	Bechtel			Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CD-0090-00002	STORM DRAINAGE SECTIONS AND DETAILS	Bechtel			Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CD-0090-00003	UNIT 2 PLANT ROAD CROSS DRAINS PLANS, SECTIONS AND TABLES	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-001-CD-0000-00001	Hydrology Map Post-Development Power Block	Bechtel		10 A	Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-002-CD-0000-00001	IVANPAH 1 HYDROLOGY PLAN - POST DEVELOPMENT	Bechtel			Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-002-CD-0000-00002	IVANPAH 3 POWER BLOCK HYDROLOGY PLAN - POST DEVELOPMENT	Bechtel			Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-003-CD-0000-00001	IVANPAH 3 HYDROLOGY PLAN - POST DEVELOPMENT	Bechtel			Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-003-CD-0000-00002	IVANPAH 3 POWER BLOCK HYDROLOGY PLAN - POST DEVELOPMENT	Bechtel			Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-009-CD-0000-00001	IVANPAH COMMON AREA - ADMINISTRATION BUILDING / WELL HYDROLOGY PLAN	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-C2-0010-00001	FENCING PLAN - SHEET 1	Bechtel		10 A	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-C2-0010-00002	FENCING PLAN - SHEET 2	Bechtel		10 A	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-001-CE-0010-00001	CONSTRUCTION FACILITIES LAYOUT ARRANGEMENT UNIT 1 POWER BLOCK	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-001-CE-0010-00001	IVANPAH 1 PLAN - DISTURBANCE AREA	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-009-CD-0010-00001	COMMON AREA PLAN - DISTURBANCE AREAS	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CE-0010-00001	EROSION AND SEDIMENT CONTROL	Bechtel		10 A	Y



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CE-0010-00001	IVANPAH 2 - EROSION AND SEDIMENT CONTROL PLAN	Bechtel			Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CG-0090-00001	GRADING AND SURFACING DETAILS FOR EPHEMERAL WASH CROSSING	Bechtel			Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CG-0090-00002	POWER BLOCK ROUGH GRADING SECTIONS	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-001-CG-0010-00001	POWER BLOCK 1 - ROUGH GRADING & DRAINAGE PLAN	Bechtel	10 A		Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-001-CG-0011-00001	WASH CROSSINGS AT DEPTHS GREATER THAN 3'-0" AT ROADPATH	Bechtel			Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-001-CG-0011-00002	WASH CROSSINGS AT DEPTHS OF 2'-0" TO 3'-0" AT ROADPATH INTERSECTIONS	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-001-CG-0090-00001	POWER BLOCK 1 - ROUGH GRADING & DRAINAGE PROFILE & SECTIONS	Bechtel	10 A		Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-002-CG-0010-00001	POWER BLOCK 2 - ROUGH GRADING & DRAINAGE PLAN	Bechtel	#####		Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-002-CG-0090-00001	POWER BLOCK 2 - ROUGH GRADING & DRAINAGE PROFILE & SECTIONS	Bechtel	#####		Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-002-CG-0011-00001	IVANPAH 2 - WASH CROSSINGS AT DEPTHS GREATER THAN 3'-0" AT	Bechtel			Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-002-CG-0011-00002	IVANPAH 2 - WASH CROSSINGS AT DEPTHS OF 2'-0" TO 2'-0" AT ROADWAY/PATH	Bechtel			Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-002-CG-0011-00003	IVANPAH 2 - WASH CROSSINGS AT DEPTHS OF 1'-0" TO 2'-0" AT ROADWAY/PATH	Bechtel			Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-002-CG-0012-00001	IVANPAH 2 - WASH CROSSINGS AT DEPTHS OF 1'-0" TO 2'-0" LOCATION TABLES	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-003-CG-0010-00001	POWER BLOCK 3 - ROUGH GRADING & DRAINAGE PLAN	Bechtel	#####		
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-003-CG-0090-00001	POWER BLOCK 3 - ROUGH GRADING & DRAINAGE PROFILE & SECTIONS	Bechtel	#####		
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-009-CG-0010-00001	COMMON AREA - ROUGH GRADING PLAN	Bechtel	10 A		Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-009-CG-0010-00002	IVANPAH COMMON AREA ADMINISTRATION BUILDING AND WELLS ROUGH	Bechtel			Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-009-CG-0010-00003	COMMON AREA HELIOSTAT BUILDING AND LAYDOWN AREA ROUGH GRADING	Bechtel			Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-009-CG-0010-00004	IVANPAH COMMON AREA LADYPOSS CULVERTS AND CHANNEL GRADING PLAN	Bechtel			Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-009-CG-0012-00001	SALE LINE TIE AREA GRADING PLAN	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-009-CG-0090-00001	COMMON AREA - ROUGH GRADING & DRAINAGE PROFILE & SECTIONS	Bechtel	10 A		Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-009-CG-0090-00002	ADMINISTRATION BUILDING AND WELL AREA - ROUGH GRADING SECTIONS AND	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-009-CG-0011-00001	EPHEMERAL WASH CROSSINGS	Bechtel	10 A		
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-001-CS-0010-00001	POWER BLOCK 1 - FINISH GRADING & PAVING PLAN	Bechtel	10 A		Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-001-CS-0011-00001	IVANPAH 1 DIRT ROAD AND DIRT PATH PLAN	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-002-CS-0010-00001	POWER BLOCK 2 - FINISH GRADING & PAVING PLAN	Bechtel	10 A		Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-002-CS-0011-00001	IVANPAH 2 - DIRT ROAD AND HELIOSTAT MAINTENANCE PATH PLAN	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-003-CS-0010-00001	POWER BLOCK 3 - FINISH GRADING & PAVING PLAN	Bechtel	10 A		
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-009-CS-0010-00001	COMMON AREA - FINISH GRADING PLAN	Bechtel	10 A		
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-009-CS-0110-00001	COMMON AREA ADA ACCESS RAMP TO ADMIN BLDG PLAN	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-009-CS-0110-00002	COMMON AREA ADA ACCESS RAMP TO ADMIN BLDG SECTIONS AND DETAILS	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00001	ROADWAY GRADING & PAVING PLAN - SHEET 1	Bechtel	10 A		Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00002	ROADWAY GRADING & PAVING PLAN - SHEET 2	Bechtel	10 A		Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00003	ROADWAY GRADING & PAVING PLAN - SHEET 3	Bechtel	10 A		Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00004	ROADWAY GRADING & PAVING PLAN - SHEET 4	Bechtel	10 A		Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00005	ROADWAY GRADING & PAVING PLAN - SHEET 5	Bechtel	10 A		Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00006	ROADWAY GRADING & PAVING PLAN - SHEET 6	Bechtel	10 A		Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00007	ROADWAY GRADING & PAVING PLAN - SHEET 7	Bechtel	10 A		Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00008	ROADWAY GRADING & PAVING PLAN - SHEET 8	Bechtel	10 A		Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00009	ROADWAY GRADING & PAVING PLAN - SHEET 9	Bechtel	10 A		Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00010	ROADWAY GRADING & PAVING PLAN - SHEET 10	Bechtel	#####		Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00011	ROADWAY GRADING & PAVING PLAN - SHEET 11	Bechtel	#####		
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00012	ROADWAY GRADING & PAVING PLAN - SHEET 12	Bechtel	10 A		Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00013	ROADWAY GRADING & PAVING PLAN - SHEET 13	Bechtel	#####		Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00014	ROADWAY GRADING AND PAVING PLAN STA 20+00 TO 40+00 SHEET 14	Bechtel			Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00015	ROADWAY GRADING AND PAVING PLAN STA 40+00 TO 60+00 SHEET 15	Bechtel			Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00016	ROADWAY GRADING AND PAVING PLAN STA 60+00 TO 79+98 SHEET 16	Bechtel			Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0010-00017	ROADWAY GRADING AND PAVING PLAN STA 79+98 TO 89+94 SHEET 17	Bechtel			Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0090-00006	UNIT 1 ROAD PROFILE	Bechtel			Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0090-00006	UNIT 1 ROAD ALIGNMENT	Bechtel			Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0090-00007	SWITCHYARD PROFILE AND ALIGNMENT	Bechtel			Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0090-00008	UNIT 2 ROAD PROFILE AND ALIGNMENT	Bechtel			Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0090-00009	UNIT 3 ROAD PROFILE SHEET 1	Bechtel			Y
CIVIL-1	NA	Approval	Civil	Drawing	25542-000-CS-0090-00010	UNIT 3 ROAD PROFILE AND ALIGNMENT SHEET 2	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-0090-00001	CONCRETE SHEET 1 GENERAL NOTES AND LEGEND	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-0090-00002	CONCRETE SHEET 2 TYPICAL SECTIONS AND DETAILS	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-0090-00003	CONCRETE SHEET 3 TYPICAL SECTIONS AND DETAILS	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-0090-00004	CONCRETE SHEET 4 TYPICAL SECTIONS AND DETAILS	Bechtel			Y
STRUC-2	NA	Approval	Civil	Drawing	25542-000-DA-1210-00001	STATION SERVICE TRANSFORMER PRECAST WALL PLAN, SECTIONS AND	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DA-1310-00001	TRANSFORMER AND AUXILIARY TRANSFORMER PRECAST WALL PLAN UNITS	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DA-1310-00002	TRANSFORMER AND AUXILIARY TRANSFORMER PRECAST WALL - ELEVATIONS	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DA-1310-00003	CSU TRANSFORMER AND AUX TRANSFORMER FOR PRECAST WALL SECTIONS	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DA-1910-00001	COMMON AREA HELIOSTAT ASSEMBLY AND PAD BONDING MACHINE BUILDING	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DA-1910-00002	COMMON AREA HELIOSTAT ASSEMBLY AND PAD BONDING MACHINE BUILDING	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DA-1910-00003	Common Area HAD Thermal Back Plan and Smoke	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-0100-00001	POWER BLOCK SUMP PLAN & SECTIONS	Bechtel	#####		
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-0410-00001	Steam Turbine Platform FOUNDATION PLAN	Bechtel		Jun-11	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-0490-00001	Steam Turbine Platform FOUNDATION SECTIONS & DETAILS	Bechtel		Jun-11	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1110-00001	IVANPAH 1, 2, AND 3 SOLAR TOWER FOUNDATION PLAN, SECTION AND DETAILS	Bechtel		Dec-	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1120-00001	Solar TOWER ELEVATED SLAB PLANS	Bechtel		Jun-11	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1190-00001	IVANPAH 1, 2, AND 3 SOLAR TOWER FOUNDATION DETAILS AND SECTIONS	Bechtel		Dec-	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1110-00001	Solar TOWER FOUNDATION REINFORCING PLAN	Bechtel		Dec-	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1190-00001	Solar TOWER FOUNDATION REINFORCING SECTIONS & DETAILS	Bechtel		Dec-	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1410-00001	POWER BLOCK AREA SUMP PLAN AND SECTIONS	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-1410-00002	EDT IDT PIT AND FOUNDATION PLAN	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-1410-00003	ED ID PUMP FOUNDATION PLAN AND SECTION	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-1410-00004	EDT IDT TANK FOUNDATION LAN AND SECTION	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-1410-00005	SUPPORTSAND DUCT DRAIN FOUNDATION PLAN REINFORCING SECTION AND	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-1490-00001	EDT IDT REINFORCING SECTION AND DETAILS	Bechtel			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DB-1410-00002	DESIGN OF EDT IDT PIT	Bechtel			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DB-1910-00001	DESIGN OF AUXILIARY BOILER SUMP	Bechtel			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DB-1910-00002	DESIGN OF FOUNDATION OF AUXILIARY BOILER	Bechtel			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DB-1910-00003	DESIGN OF BOILER CIRCULAR PUMP UPS ELECTRICAL EQUIPMENT MODULE	Bechtel			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DB-1910-00004	DESIGN OF AUXILIARY BOILER PIPE RACK FOUNDATION	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1910-00001	AUXILIARY BOILER SUMP PLANS, SECTIONS AND DETAILS	Bechtel		Jun-11	Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-1910-00002	AUXILIARY BOILER FOUNDATION PLAN	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-1910-00003	BOILER CIRC WATER PUMP UPS BATTERY MODULE FOUNDATION PLAN AND	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-1910-00004	AUXILIARY BOILER PIPERACK FOUNDATION PLAN, SECTIONS AND DETAILS	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-1910-00005	IVANPAH UNITS 1,2,3 BCP UPS BATTERY MODULE HVAC FOUNDATION PLANS	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-1990-00001	AUXILIARY BOILER FOUNDATION SECTIONS & DETAILS	Bechtel		Jun-11	Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-1990-00002	AUXILIARY BOILER FOUNDATION DETAILS AND SECTIONS	Bechtel			Y



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
STRUC-1		Approval	Civil	Drawing	25542-000-DG-1990-00001	AUXILIARY BOILER FOUNDATION SECTIONS, ELEVATION AND DETAIL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-2210-00002	HEATER BAY FOUNDATION PLAN, SECTION AND DETAILS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-2210-00003	STG ELECTRICAL EQUIPMENT MODULE FOUNDATION PLAN, SECTION AND	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-2210-00004	IVANPAH UNITS 1 AND 2 MV. VFD ELECTRICAL EQUIPMENT MODULE FOUNDATION	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-001-DB-2410-00001	STEAM TURBINE FOUNDATION PLAN	Bechtel	10 A		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-2510-00001	DESIGN OF SUPPORT PADS FOR CRANE OUTRIGGERS	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-2210-00003	DESIGN OF STG ELECTRICAL EQUIPMENT MODULE FOUNDATION FOR UNIT 1, 2, 3	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-2210-00004	DESIGN OF VFD ELECTRICAL EQUIPMENT MODULE FOUNDATION	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-2210-00005	DESIGN OF FEEDWATER HEATER REMOVAL FOUNDATION	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-2210-00006	DESIGN OF FIRE HOSE HOUSE FOUNDATION	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-2210-00007	DESIGN OF UPS EEM HVAC FOUNDATION	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-2210-00013	DESIGN OF FOUNDATION FOR ACC BASKET AREA AND STG AREA ENCLOSURE	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-3310-00001	DESIGN OF FOUNDATION FOR MAIN AND AUX TRANSFORMER	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-3310-00002	DESIGN OF TRANSFORMER WIND WALL AND FOUNDATION	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-3310-00001	GSU TRANSFORMER AND AUX TRANSFORMER PLAN AND SECTIONS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-3310-00002	SOPHASE BUS DUCT FOUNDATION TYPE F1 PLAN, SECTION AND DETAILS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DG-3390-00001	SSU TRANSFORMER AND AUX TRANSFORMER PLAN AND SECTIONS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DG-3390-00002	TRANSFORMER AND AUXILIARY TRANSFORMER FOUNDATION PLAN AND	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DG-3390-00003	SSU TRANSFORMER AND AUXILIARY TRANSFORMER WINGWALL FOUNDATION	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-3510-00001	115KV SWITCHYARD CONCRETE FOUNDATION GENERAL ARRANGEMENT PLAN	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-3510-00001	115KV TRANS LINE SUPPORT STRUCTURES - DRILLED PIER FOUNDATION DESIGN	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-3510-00002	115KV TRANSMISSION LINE - CIRCUIT BREAKER FOUNDATION AND ANCHOR BOLT	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-3510-00003	115KV TRANSMISSION LINE - CURRENT TRANSFORMER, VOLTAGE	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-3590-00001	115KV SWITCHYARD CONCRETE FOUNDATION TYPE F1	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-3590-00002	115KV SWITCHYARD CONCRETE FOUNDATION TYPE F2	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-3710-00001	EMERGENCY DIESEL GENERATOR FOUNDATION PLAN AND SECTIONS	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-3710-00001	DESIGN OF FOUNDATION FOR EMERGENCY DIESEL GENERATOR	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-2510-00002	SUPPORT PADS FOR CRANE OUTRIGGER	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-2510-00001	SUPPORT PADS FOR CRANE OUTRIGGER	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-6910-00001	DESIGN OF FOUNDATION FOR FUEL GAS SEPARATOR SKID	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-6910-00001	FUEL GAS SEPARATOR SKID FOUNDATION PLAN, SECTIONS AND DETAILS	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7710-00001	DESIGN OF TANK AREA SUMP	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7710-00001	TANK AREA SUMP PLANS SECTIONS AND DETAILS	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7210-00001	DESIGN OF FOUNDATION FOR CONDENSATE POLISHER EQUIPMENTS	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7210-00002	DESIGN OF CONDENSATE PUMP FOUNDATION FOR UNITS 1, 2, AND 3	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7210-00001	AIR COOLED CONDENSER FOUNDATION PLAN	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7210-00002	CONDENSATE POLISHER FOUNDATION PLAN AND SECTION	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7210-00004	CONDENSATE PUMP A AND B FOUNDATION PLAN AND SECTIONS	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7210-00005	DESIGN OF FOUNDATION FOR CONDENSATE COLLECTION TANK FOR UNIT 1, 2,	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7210-00006	CONDENSATE COLLECTION TANK FOUNDATION PLAN AND SECTION FOR UNITS	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7210-00006	DESIGN OF FOUNDATION FOR AIR COOLED CONDENSER DUCT SUPPORTS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7210-00006	ACC STEAM DUCT SUPPORTS FOUNDATION PLAN	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7210-00007	DESIGN OF ACC ELECTRICAL EQUIPMENT MODULE FOUNDATION FOR UNIT 1, 2, 3	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7210-00007	ACC ELECTRICAL EQUIPMENT MODULE FOUNDATION PLAN, SECTION AND	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7210-00008	DESIGN OF FOUNDATION FOR CONDENSER VACUUM PUMP FOR UNIT 1/2/3	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7210-00008	IVANPAH 1,2 AND 3 CONDENSER VACUUM PUMPS FOUNDATION PLAN AND	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7210-00009	DESIGN OF SLINSHADE FOUNDATION ACC AREA	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7210-00009	CHEMICAL UNLOADING ACC AREA FOUNDATION PLAN, SECTIONS AND DETAILS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7210-00010	CLEANING WATER PUMP FOUNDATION PLAN AND SECTION	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7210-00011	NITROGEN BOTTLE RACK AND MANIFOLD FOUNDATION PLAN, SECTIONS AND	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DBC-7210-00011	DESIGN OF FOUNDATION FOR CLEANING WATER PUMP	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DBC-7210-00012	DESIGN OF FOUNDATION FOR NITROGEN MANIFOLD	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7310-00001	DESIGN OF FOUNDATION FOR CENTRIFUGAL PUMPS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7310-00001	RAW WATER FORWARDING PUMP FOUNDATION PLAN SECTION AND DETAIL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7310-00002	MIRROR WASH WATER TRANSFER PUMP FOUNDATION PLAN SECTION AND	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7310-00003	POTABLE/DEMINERALIZED WASTE WATER PUMP FOUNDATION PLAN SECTION	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7310-00004	DESIGN OF FOUNDATION FOR CLOSED COOLING WATER PUMPS	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7310-00004	CLOSED COOLING WATER PUMP FOUNDATION PLAN SECTION AND DETAILS	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-9210-00001	DESIGN OF MISCELLANEOUS PIPE SUPPORT FOUNDATIONS IN WATER	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-9210-00002	DESIGN OF MISCELLANEOUS PIPE SUPPORT FOUNDATIONS IN PIGGING STATION	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-9210-00003	DESIGN OF FOUNDATION FOR MISCELLANEOUS PIPE AND ELECTRICAL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DBC-9210-00004	AUXILIARY STEAM (SA) SUPPLY SUPPORT FOUNDATION DESIGN	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DBC-9210-00005	AUXILIARY STEAM SUPPLY DRILLED PIER DESIGN	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DBC-9210-00006	STEAM BLOW (SX) SUPPORT FOUNDATION DESIGN	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00001	WATER TREATMENT AREA MISC PIPE SUPPORTS FOUNDATION PLAN SECTIONS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00002	WATER TREATMENT AREA MISC PIPE SUPPORTS FOUNDATION PLAN SECTIONS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00003	WATER TREATMENT AREA MISC PIPE SUPPORTS FOUNDATION PLAN SECTIONS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00004	WATER TREATMENT AREA MISC PIPE SUPPORTS FOUNDATION PLAN SECTIONS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00005	WATER TREATMENT AREA MISC PIPE SUPPORTS FOUNDATION PLAN SECTIONS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00006	WATER TREATMENT AREA MISC PIPE SUPPORTS FOUNDATION PLAN SECTIONS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00006	MISCELLANEOUS PIPE SUPPORT (MPS) FG SYSTEMS PLAN, SECTION AND	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00009	ACC AREA MISC PIPE SUPPORTS FOUNDATION PLAN S AND SECTIONS UNITS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00010	ACC AREA MISC PIPE SUPPORTS FOUNDATION PLAN AND SECTIONS UNITS 1,2,3	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00011	MISC PIPE SUPPORTS FOUNDATION PLAN, SECTIONS AND DETAIL UNITS 1,2,3	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00012	MISC PIPE SUPPORTS (MPS) PLAN, SECTION AND SCHEDULE UNITS 1,2,3	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00013	MISC PIPE SUPPORTS (MPS) PLAN, SECTION AND SCHEDULE UNITS 1,2,3	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00014	MISC PIPE SUPPORT (MPS) FOUNDATION PLAN, SECTION AND SCHEDULE UNITS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00015	MISC PIPE SUPPORT (MPS) FOUNDATION PLAN, SECTION AND SCHEDULE UNITS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00016	MISC PIPE SUPPORT (KERN RIVER) FOUNDATION PLAN, SECTION AND SCHEDULE	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00017	MISC CABLE TRAY AND INSTRUMENT JB SUPPORT FOUNDATION PLAN, SECTION	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00020	IVANPAH 1,2 AND 3 SA PIPE SUPPORT FOUNDATION PLAN, SECTION AND DETAILS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00022	IVANPAH UNITS 1,2 AND 3 ACC AREA BASKET STRAINERS AND STRAINER	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00023	IVANPAH UNITS 1,2 AND 3 STG ENCLOSURE PLATFORMS FOUNDATIONS PLAN	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00024	IVANPAH UNITS 1,2,3 FIRE HOSE HOUSE FOUNDATIONS PLANS AND DETAILS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00025	SECURITY GATE ELECTRICAL FOUNDATIONS PLANS AND SECTIONS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-9210-00026	MISC PIPE SUPPORT (MPS) PLAN, SECTION AND SCHEDULE	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7510-00002	IVANPAH COMMON AREA FIRE HOSE HOUSE FOUNDATIONS PLANS AND DETAILS	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-001-DB-2210-00001	IVANPAH 1 LUBE OIL FOUNDATION PLAN EMBEDDED PLATES PLAN AND DETAILS	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-001-DB-2410-00001	STG FOUNDATION PLAN ANCHOR BOLTS AND EMBEDDED PLATES	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-001-DB-2410-00002	STEAM TURBINE GENERATOR FOUNDATION PLAN EMBEDDED PLATES	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-001-DB-2410-00003	STEAM TURBINE GENERATOR FOUNDATION EMBEDDED PLATES ELEVATIONS	Bechtel			Y



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
STRUC-1	G	Approval	Civil	Drawing	25542-001-DD-2490-00002	STG FOUNDATION PLAN ANCHOR BOLTS AND EMBEDDED PLATES	Bechtel			Y
STRUC-1	N	Approval	Civil	Drawing	25542-000-DD-7110-00001	DEMINERALIZER WATER TRAILER ANCHOR BOLT ARRANGEMENT PLAN	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DD-1110-00001	IVANPAH 1, 2 AND 3 SOLAR TOWER FOUNDATION REINFORCING PLAN, TOP BARS	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DD-1110-00002	IVANPAH 1, 2 AND 3 SOLAR TOWER FOUNDATION REINFORCING PLAN, BOTTOM	Bechtel			Y
STRUC-1	N	Approval	Civil	Drawing	25542-000-DD-1111-00001	SOLAR TOWER MODULE FOUNDATIONS PLAN SECTION AND DETAIL	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DD-1110-00003	SOLAR TOWER FOUNDATION PLAN, SECTION AND DETAILS UNITS 1, 2, 3	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DD-1110-00002	IVANPAH UNITS 1, 2 AND 3 FEEDWATER HEATER REMOVAL FOUNDATION PLAN	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DD-1180-00001	IVANPAH 1, 2 AND 3 SOLAR TOWER FOUNDATION DETAILS AND SECTIONS	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DD-1180-00001	IVANPAH 1, 2 AND 3 SOLAR TOWER FOUNDATION REINFORCING SECTIONS AND	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DD-1180-00002	IVANPAH 1, 2 AND 3 SOLAR TOWER FOUNDATION REINFORCING SECTIONS AND	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-001-DD-2290-00001	IVANPAH 1 LUBE OIL FOUNDATION REINFORCING SECTION AND DETAILS	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-001-DD-2290-00002	IVANPAH 1 LUBE OIL FOUNDATION REINFORCING SECTION AND DETAILS	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-001-DD-2290-00003	IVANPAH 1 LUBE OIL FOUNDATION PLAN SECTION AND DETAILS	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DD-2290-00004	HEATER BAY FOUNDATION REINFORCING SECTION AND DETAILS	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DD-2290-00005	HEATER BAY FOUNDATION PLAN, SECTION AND DETAILS	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DD-7190-00001	WET WSAC COOLER AND SPRAY PUMP SECTIONS AND DETAILS	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DD-7190-00002	WET WSAC COOLER TYPE F1 AND F2 FOUNDATION PLANS SECTIONS AND	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DD-7290-00001	AIR COOLED CONDENSER FOUNDATION TYPE F1, F2 AND F3 PLAN AND	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DD-7290-00002	AIR COOLED CONDENSER FOUNDATION TYPE F4, F5, F6A, AND F6 PLAN AND	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DD-7290-00003	AIR COOLED CONDENSER FOUNDATION TYPE F7 AND F8 PLANS AND SECTIONS	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DD-7290-00004	CONDENSATE POLISHER FOUNDATION DETAILS AND SECTIONS	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DD-7290-00005	ACC STEAM DUCT SUPPORTS FOUNDATIONS TYPE F1, F2, AND F3 PLAN AND	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DD-7290-00006	ACC STEAM DUCT SUPPORTS FOUNDATIONS TYPE F4, F5, AND F6 PLAN AND	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DD-7290-00007	ACC STEAM DUCT SUPPORTS FOUNDATIONS TYPE F7 PLAN AND SECTIONS	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DD-7290-00008	IVANPAH 1, 2 AND 3 CONDENSER VACUUM PUMPS FOUNDATION PLANS AND	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-001-DD-2410-00001	STG FOUNDATION NEATURE PLAN AND SECTIONS	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-001-DD-2410-00001	STG FOUNDATION REINFORCING PLAN	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-001-DD-2490-00001	STEAM TURBINE SECTIONS & DETAILS	Bechtel		10.A	Y
STRUC-1	G	Approval	Civil	Drawing	25542-001-DD-2490-00002	STEAM TURBINE SECTIONS & DETAILS	Bechtel		10.A	Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DD-2990-00001	PLANT SERVICE BUILDING ELECTRICAL VAULT REINFORCING SECTION AND	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DD-2990-00002	PLANT SERVICE BUILDING ELECTRICAL VAULT REINFORCING SECTION AND	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DD-2990-00003	PSB ELECTRICAL CABLE PIT SUSPENDED DECKING REINFORCEMENT SECTION	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DD-2990-00004	STATION SERVICE TRANSFORMER REINFORCING SECTIONS AND DETAILS	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DD-3210-00001	Plant Services Foundation PLAN	Bechtel		Feb-	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DD-3210-00001	ELECTRICAL MODULE SLAB PLAN	Bechtel		Jun-11	Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DD-3210-00002	ELECTRICAL MODULE SLAB PLAN	Bechtel		Jul-11	Y
STRUC-1	NA	Approval	Civil	Drawing	25542-001-DD-2210-00001	IVANPAH 1 LUBE OIL FAOUNDATION PLAN SECTION AND DETAILS	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DD-3210-00005	1200 AMP ELECTRICAL SWITCHBOARD FOUNDATION PLAN AND SECTIONS	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DD-3210-00006	1201 AMP ELECTRICAL SWITCHBOARD FOUNDATION PLAN AND SECTIONS	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DD-3210-00008	GENERATOR CIRCUIT BREAKER SUPPORTING STEEL STRUCTURE FOUNDATION	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DD-3210-00009	PSB ELECTRICAL CABLE PIT SUSPENDED DECKING REINFORCEMENT SECTION	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DD-3210-00010	STATION SERVICE TRANSFORMER FOUNDATION PLAN, SECTIONS AND DETAILS	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DD-3210-00011	WD-ET-001A/001B MCC TRANSFORMER WTA FOUNDATION PLAN AND SECTION	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DD-3210-00012	AA-ET-001A/001B MCC TRANSFORMER AUXILIARY BOILER AREA FOUNDATION	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DD-3210-00013	EC-ET-001-002 MCC TRANSFORMER SWITCHYARD AREA FOUNDATION PLAN AND	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DD-3210-00014	AC-ET-001-MCC TRANSFORMER STG AREA FOUNDATION PLAN AND SECTION	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DD-3210-00015	AD-ET-001A/B/C/D MCC TRANSFORMER ACC AREA FOUNDATION PLAN AND	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DD-3210-00016	FDU SOLAR FIELD FOUNDATION PLAN AND SECTIONS	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-001-DD-3210-00017	FDU SOLAR FIELD UNIT 1 LOCATION LAYOUT PLAN	Bechtel			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-3210-00001	DESIGN OF ELECTRICAL CABLE PIT FOR PLANT SERVICE BUILDING	Bechtel			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-3210-00008	DESIGN OF GRADE SLAB AND SUSPENDED SLAB FOR PSB BUILDING	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-1111-00001	SRSG MODULE FOUNDATIONS (TEMP J) PLAN, SECTION AND DETAILS	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-3210-00001	COMMON AREA ELECTRICAL MODULE (35KV SWITCHGEAR) FOUNDATION PLAN	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-3210-00002	COMMON AREA 500 KVA PAD MOUNTED TRANSFORMER FOR PLANT LAYDOWN	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-3210-00003	COMMON AREA 1000KVA PAD MOUNTED TRANSFORMER FOR CONSTRUCTION	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-3210-00004	COMMON AREA 1000KVA PAD MOUNTED TRANSFORMER FOR CONSTRUCTION	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-3210-00005	DESIGN OF FOUNDATION FOR PAD MOUNTED 1000KVA TRANSFORMER FOR	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-3210-00007	EXCITATION TRANSFORMER FOUNDATION PLAN AND SECTION	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-3210-00008	DESIGN OF FOUNDATION FOR 800 AMP ELECTRICAL SWITCHBOARD mod-7 AND	Bechtel			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-009-DBC-3210-00008	ELECTRICAL RACK AND MOD-1 SWITCHBOARD FOUNDATION PLAN AND SECTION	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-3210-00009	IVANPAH COMMON AREA EMERGENCY DIESEL GENERATOR FOUNDATION PLAN	Bechtel			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-009-DBC-3210-00001	DESIGN OF FOUNDATION FOR EMERGENCY DIESEL GENERATOR CALCULATION	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-7310-00001	COMMON AREA RAW WATER TRANSFER PUMP FOUNDATION PLAN, SECTION	Bechtel			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-009-DBC-7310-00001	DESIGN OF FOUNDATION FOR RAW WATER TRANSFER PUMPS	Bechtel			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-009-DBC-9010-00004	DESIGN OF MISC EQUIPMENT FOUNDATIONS NEAR HELIOSTAT AND PAD	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-9010-00005	AIR HANDLING UNITS AND ENERGY RECOVERY VENTILATORS FOUNDATION PLAN	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-9010-00006	AIR HANDLING UNITS AND ENERGY RECOVERY VENTILATORS FOUNDATION	Bechtel			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-009-DBC-9010-00010	DESIGN OF MISCELLANEOUS PIPE SUPPORT FOUNDATIONS IN THE COMMON	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-3310-00001	MCC TRANSFORMER FOUNDATION PLAN & SECTIONS	Bechtel		Jun-11	
TSE-5	T	Approval	Civil	Drawing	25542-000-DB-3410-00001	UNIT AUXILIARY & GENERATOR STEP-UP TRANSFORMER FOUNDATION PLAN	Bechtel			####
TSE-5	T	Approval	Civil	Drawing	25542-000-DB-3490-00001	UNIT AUXILIARY & GENERATOR STEP-UP TRANSFORMER FOUNDATION	Bechtel			####
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-3710-00001	EMERGENCY DIESEL GENERATOR	Bechtel		Jun-11	Y
TSE-5	T	Approval	Civil	Drawing	25542-000-DB-3810-00001	GENERATOR CIRCUIT BREAKER & EXCITATION TRANSFORMER FOUNDATION	Bechtel			####
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-6110-00001	LUBE OIL/DIESEL UNLOADING & STG LAYDOWN AREA SLAB PLAN & SECTIONS	Bechtel			####
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7110-00001	WATER TREATMENT AREA SLAB PLAN	Bechtel			####
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7110-00002	WATER TREATMENT AREA EQUIPMENT PAD PLAN	Bechtel			####
STRUC-2	G	Approval	Civil	Drawing	25542-000-DB-7110-00003	WATER TREATMENT AREA ELECTRIC EQUIPMENT MODULE (EEM) FDN PLAN,	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7110-00004	SRSG BLOW DOWN COOLER FOUNDATION PLAN, SECTION AND DETAIL	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7110-00005	DEMINERALIZED SWAS BUILDING FOUNDATION PLAN, WT AREA	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7110-00006	WATER TREATMENT AREA SUNSHADE FOUNDATION PLAN, SECTIONS AND	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7110-00007	PLANT AIR EQUIPMENT FOUNDATION PLANS AND SECTIONS	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7110-00008	PLANT AIR EQUIPMENT FOUNDATION PLANS AND SECTIONS	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7190-00001	WATER TREATMENT AREA SECTIONS & DETAILS	Bechtel			####
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7210-00001	AIR COOLED CONDENSER FOUNDATIONS PLAN	Bechtel		F ed-	Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-7210-00003	CONDENSATE POLISHER SUMP PLANS AND SECTIONS	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-000-DB-7211-00001	DRY DELUGED AUXILIARY COOLER FOUNDATION PLAN & SECTIONS	Bechtel			####
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7310-00001	RAW WATER PUMP HOUSE FOUNDATION PLAN SECTIONS AND DETAILS	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7310-00002	DEMINERALIZED WATER STORAGE TANK FOUNDATION PLAN - PRETREAT WATER	Bechtel			####
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7310-00003	RAW WATER SUPPLY STORAGE TANK FOUNDATION PLAN	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7310-00004	WARMWASH STORAGE TANK FOUNDATION PLAN STORAGE TANK	Bechtel			Y



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7610-00004	POTABLE WATER TANK FOUNDATION PLAN, SECTION AND DETAILS	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7710-00001	TANK AREA SUMP PLANS, SECTIONS AND DETAILS	Bechtel		Jun-11	Y
STRUC-1		Approval	Civil	Drawing	25542-000-DB-7710-00002	WASTE WATER TANK FOUNDATION PLAN SECTION AND DETAILS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-002-DB-2210-00001	LUBE OIL UNIT 2 FOUNDATION PLAN, SECTION AND DETAILS	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-002-DBC-2410-00001	STEAM TURBINE GENERATOR FOUNDATION - ANALYSIS AND DESIGN	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-002-DB-2410-00001	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION NEAT LINE PLAN AND	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-002-DB-3210-00018	PDU SOLAR FIELD UNIT 2 LOCATION LAYOUT PLAN	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DD-2210-00002	HEATER BAY FOUNDATION PLAN AND EMBEDDED PLATES	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DD-2410-00001	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION PLAN - ANCHOR BOLTS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DD-2410-00002	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION PLAN - EMBEDDED	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-DD-2210-00001	LUBE OIL UNIT 2 FOUNDATION PLAN, EMBEDDED PLATES, PLAN AND DETAILS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-002-DB-2490-00001	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION - EMBEDDED PLATES	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-002-DB-2490-00002	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION - EMBEDDED PLATES	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-002-DB-2290-00001	LUBE OIL UNIT 2 FOUNDATION REINFORCING SECTION AND DETAILS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-002-DB-2290-00002	LUBE OIL UNIT 2 FOUNDATION REINFORCING SECTION AND DETAILS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-002-DB-2290-00003	LUBE OIL UNIT 2 FOUNDATION PLAN, SECTION AND DETAILS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-002-DB-2410-00001	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION REINFORCING - PLAN	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-002-DB-2490-00001	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION REINFORCING - SECTS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-002-DB-2490-00002	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION REINFORCING - SECTS	Bechtel			Y
STRUC-2		Approval	Civil	Drawing	25542-003-DB-2210-00001	LUBE OIL UNIT 3 FOUNDATION PLAN, SECTION AND DETAILS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-003-DB-3410-00001	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION - NEAT LINE PLAN AND	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-003-DB-3210-00019	PDU SOLAR FIELD UNIT 3 LOCATION LAYOUT PLAN	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-003-DD-2210-00001	LUBE OIL UNIT 3 FOUNDATION PLAN, EMBEDDED PLATES PLAN AND DETAILS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-003-DD-2410-00001	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION - ANCHOR BOLTS AND	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-003-DD-2410-00002	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION - EMBEDDED PLATES	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-003-DD-2490-00001	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION - EMBEDDED PLATES	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-003-DD-2490-00002	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION - EMBEDDED	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-003-DG-2290-00001	LUBE OIL UNIT 3 FOUNDATION REINFORCING SECTION AND DETAILS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-003-DG-2290-00002	LUBE OIL UNIT 3 FOUNDATION REINFORCING SECTION AND DETAILS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-003-DG-2290-00003	LUBE OIL UNIT 3 FOUNDATION PLAN, SECTION AND DETAILS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-003-DG-2410-00001	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION REINFORCING - PLAN	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-003-DG-2490-00001	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION REINFORCING - SECTS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-003-DG-2490-00002	IVANPAH 2 STEAM TURBINE GENERATOR FOUNDATION REINFORCING - SECTS	Bechtel			Y
STRUC-4		Approval	Civil	Drawing	25542-000-DB-9010-00004	MISC- CONCRETE FOUNDATIONS	Bechtel	DELETE	#####	
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7610-00001	COMMON AREA FIRE WATER PUMP HOUSE FOUNDATION PLAN AND SECTIONS	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-DB-7610-00001	PREFRAB WATER STORAGE TANK FOUNDATION PLAN, SECTIONS AND DETAILS	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-9010-0000#	CPDU FOUNDATIONS (HELIOSTAT FIELD)	Bechtel		Jun-11	
STRUC-4		Approval	Civil	Drawing	25542-009-DB-9010-000#	WEATHER STATION FOUNDATION	Bechtel	DELETE	#####	
STRUC-1	G	Approval	Civil	Drawing	25542-005-DB-9010-00001	INDOR WASH TANK FOUNDATION PLAN - COMMON AREA HAB GRADE SLAB	Bechtel		#####	Y
STRUC-1	NA	Approval	Civil	Drawing	25542-005-DB-9010-00002	COMMON AREA PRIME GRADE SLAB PLAN	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-9010-00003	COMMON AREA HAB THICKENING LAYOUT PLAN	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-005-DB-9010-00004	COMMON AREA PRIME THICKENING LAYOUT PLAN	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9010-00005	COMMON AREA PRIM WATER SYSTEM FOUNDATION PLAN AND SECTION	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9010-00006	COMMON AREA MISCELLANEOUS PIPE SUPPORT MPS FOR PLAN, SECTIONS AND	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9010-00010	COMMON AREA MISCELLANEOUS PIPE SUPPORT MPS PLAN, SECTION AND	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9010-00011	COMMON AREA FOUNDATION FOR PLATFORMS NEAR FIRE WATER TANK PLAN	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9010-00012	COMMON AREA MISCELLANEOUS PIPE SUPPORT PLAN, SECTION AND SCHEDULE	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9010-00013	COMMON AREA FDN FOR PLATFORM AND MPS PLAN, SECTION AND DETAILS	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-009-DB-9090-00001	COMMON AREA HAB GRADE SLAB SECTIONS	Bechtel			Y
STRUC-1	N	Approval	Civil	Drawing	25542-009-DB-9090-00002	COMMON AREA PRIME GRADE SLAB SECTIONS	Bechtel			Y
STRUC-1	N	Approval	Civil	Drawing	25542-009-DB-9090-00003	COMMON AREA HAB GRADE SLAB SECTIONS AND DETAILS	Bechtel			Y
STRUC-1	N	Approval	Civil	Drawing	25542-009-DB-9090-00004	COMMON AREA HAB GRADE SLAB SECTIONS AND DETAILS	Bechtel			Y
STRUC-1	N	Approval	Civil	Drawing	25542-009-DB-9090-00005	COMMON AREA PRIME GRADE SLAB SECTIONS AND DETAILS	Bechtel			Y
STRUC-1	N	Approval	Civil	Drawing	25542-009-DB-9090-00006	COMMON AREA HAB GRADE SLAB SECTIONS AND DETAILS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-009-DB-9010-00007	COMMON AREA HELIOSTAT ASSEMBLY BUILDING AIR COMPRESSOR AND DRYER	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-SDC-0000-00001	ON CALCULATION - HANDSKILL DESIGN	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-0190-00001	IVANPAH UNITS 1, 2 AND 3 STEAM BLOCK FOUNDATIONS (TEMP) PLANS AND	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-0410-00001	Steam Turbine Platform STRUCTURAL STEEL PLAN	Bechtel		Jun-11	
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-0490-00001	Steam Turbine Platform STRUCTURAL STEEL ELEVATIONS & SECTIONS	Bechtel		Jun-11	
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1010-00001	SRSG STRUCTURAL STEEL PLAN EL 451-1	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1010-00002	SRSG STRUCTURAL STEEL PLAN EL 460-7	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1020-00001	SRSG STRUCTURAL STEEL PLAN EL 472-3	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1020-00002	SRSG STRUCTURAL STEEL PLAN EL 478-5	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1020-00003	SRSG STRUCTURAL STEEL LOWER RH PANEL HEADER RESTRAINT STEEL PLAN	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1020-00004	SRSG STRUCTURAL STEEL UPPER RH AND LOWER SG PANEL HEADER	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1030-00001	SRSG STRUCTURAL STEEL PLAN EL 491-6	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1030-00002	SRSG STRUCTURAL STEEL PLAN EL 505-10	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1040-00001	SRSG Structural Steel Plan at EL 511-3	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1040-00002	SRSG Structural Steel Plan at EL 516-8 and 524-9	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1040-00003	SRSG Structural Steel Plan UPR SG and LWR SH PHL HOR Restraint Steel	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1050-00001	SRSG Structural Steel Plan at EL 530-11 and 536-5	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1050-00002	SRSG Structural Steel Plan at EL 551-0	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1050-00003	SRSG Structural Steel - Silencer SPT 61 555-9 and TMD SPT EL 558-3	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1050-00004	SRSG Structural Steel Upper SH Panel Header Restraint Steel	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1091-00001	SRSG Structural Steel Elevation on Grid 16 and 20	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1091-00002	SRSG Structural Steel Elevation on Grid 17 and 19	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1091-00003	SRSG Structural Steel Elevation on Grid D and P	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1091-00004	SRSG Structural Steel Elevation on Grid G.2 and L.2	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1091-00005	SRSG STRUCTURAL STEEL PROTECTION PANELS WEST ELEVATION	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1091-00006	SRSG STRUCTURAL STEEL PROTECTION PANELS NORTH ELEVATION	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1091-00007	SRSG STRUCTURAL STEEL PROTECTION PANELS EAST ELEVATION	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1091-00008	SRSG STRUCTURAL STEEL PROTECTION PANELS SOUTH ELEVATION	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1092-00001	SRSG Structural Steel Star Landings Plans and Elevations	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1093-00001	SRSG Structural Steel Star Elevations	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1094-00001	SRSG Structural Steel Columns Connection Details	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1095-00001	SRSG Structural Steel Extended and Interior Shear Tab BB Connection Details	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1095-00002	SRSG Structural Steel Beam to Column BC Connection Details	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1095-00003	SRSG Structural Steel Extended Shear Tab BW Connection Details	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1095-00004	SRSG Structural Steel Beam to Beam End Plate EP Connection Details	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1095-00005	SRSG Structural Steel Beam to Beam Clip Angle CA Connection Details	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1095-00006	SRSG Structural Steel Beam Bolting BC Connection Details	Bechtel			Y



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STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00001	SRSG Structural Steel Vertical Bracing VB Connection Details	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00002	SRSG Structural Steel Vertical Bracing VB Connection Details	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00003	SRSG Structural Steel Vertical Bracing VB Connection Details	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00004	SRSG Structural Steel Vertical Bracing VB Connection Details	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00005	SRSG Structural Steel Vertical Bracing VB Connection Details	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1097-00001	SRSG Structural Steel Horizontal Bracing HB Connection Details	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1097-00002	SRSG Structural Steel Horizontal Bracing HB Connection Details	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1097-00003	SRSG Structural Steel Horizontal Bracing HB Connection Details	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00001	SRSG Structural Steel SH, SG and RH Panel Supports, Restraints and Guides	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00002	SRSG Structural Steel Pipe Supports, Restraints and Guides Connection Details	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00003	SRSG Structural Steel Pipe Supports, Restraints and Guides Connection Details	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00004	SRSG Structural Steel Pipe Supports, Restraints and Guides Connection Details	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00005	SRSG Structural Steel Pipe Supports, Restraints and Guides Connection Details	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00006	SRSG Structural Steel Pipe Supports, Restraints and Guides Connection Details	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00007	SRSG Structural Steel Pipe Supports, Restraints and Guides Connection Details	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1098-00008	SRSG Structural Steel Pipe Supports, Restraints and Guides Connection Details	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1110-00001	TOWER STRUCTURAL STEEL PLAN @ EL. 100'-0"	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1110-00002	TOWER STRUCTURAL STEEL PLAN @ EL. 120'-0"	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1110-00003	TOWER STRUCTURAL STEEL PLAN @ EL. 140'-0"	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1120-00001	TOWER STRUCTURAL STEEL PLAN @ EL. 160'-0"	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1130-00001	TOWER STRUCTURAL STEEL PLAN @ EL. 200'-0"	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1140-00001	TOWER STRUCTURAL STEEL PLAN @ EL. 230'-0"	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1150-00001	TOWER STRUCTURAL STEEL PLAN @ EL. 230'-0"	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1160-00001	TOWER STRUCTURAL STEEL PLAN @ EL. 237'-0"	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1170-00001	TOWER STRUCTURAL STEEL PLAN @ EL. 270'-0"	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1180-00001	TOWER STRUCTURAL STEEL PLAN @ EL. 300'-0"	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1180-00002	TOWER STRUCTURAL STEEL PLAN @ EL. 418'-0"	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1190-00001	TOWER STRUCTURAL STEEL PLAN @ EL. 427'-0"	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1190-00002	TOWER STRUCTURAL STEEL PLAN @ EL. 439'-0"	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1190-00003	Solar TOWER STRUCTURAL STEEL BASE PLATE DETAILS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1191-00001	TOWER STRUCTURAL STEEL NE AND NW ELEVATIONS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1191-00002	TOWER STRUCTURAL STEEL SE AND SW ELEVATIONS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1191-00003	TOWER STRUCTURAL STEEL ELEVATION AT COLUMN LINE 16	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1191-00004	TOWER STRUCTURAL STEEL ELEVATION AT COLUMN LINE 20	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1191-00005	TOWER STRUCTURAL STEEL ELEVATION AT COLUMN LINE D	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1191-00006	TOWER STRUCTURAL STEEL ELEVATION AT COLUMN LINE P	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1192-00001	TOWER STRUCTURAL STEEL STAIR LANDING PLANS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1193-00001	TOWER STRUCTURAL STEEL STAIR ELEVATION, EL. 200'-0" TO 200'-0"	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1193-00002	TOWER STRUCTURAL STEEL STAIR ELEVATION, EL. 200'-0" TO 430"	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1193-00003	TOWER STRUCTURAL STEEL STAIR EL. GRID 17, EL. 100'-0" TO 430"	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1193-00004	TOWER STRUCTURAL STEEL STAIR EL. GRID 16, EL. 100'-0" TO 430"	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1193-00005	TOWER STRUCTURAL STEEL STAIR EL. GRID 15, EL. 100'-0" TO 200'-0"	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1193-00006	TOWER STRUCTURAL STEEL STAIR EL. GRID 14, EL. 200'-0" TO 430'-0"	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1193-00007	TOWER STRUCTURAL STEEL STAIR EL. GRID 13, EL. 100'-0" TO 230'-0"	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1193-00008	TOWER STRUCTURAL STEEL STAIR EL. GRID 12, EL. 200'-0" TO 430'-0"	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1194-00001	STRUCTURAL STEEL TOWER COLUMN BASE PLATES CONNECTION DETAILS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1194-00002	STRUCTURAL STEEL TOWER COLUMN BASE PLATES CONNECTION DETAILS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1194-00003	STRUCTURAL STEEL TOWER COLUMN SPICES CONNECTION DETAILS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1195-00001	STRUCTURAL STEEL EXTENDED SHEAR TAB BE CONNECTION DETAILS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1195-00002	STRUCTURAL STEEL EXTENDED SHEAR TAB BE CONNECTION DETAILS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1195-00003	STRUCTURAL STEEL BEAM TO BEAM WELDED CONNECTION BE CONNECTION	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1195-00004	STRUCTURAL STEEL BEAM TO BEAM END PLATE EP CONNECTION DETAILS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1195-00005	STRUCTURAL STEEL EXTENDED SHEAR TABS BE CONNECTION DETAILS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1195-00006	STRUCTURAL STEEL BEAM COLUMN BC CONNECTION DETAIL	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1196-00001	STRUCTURAL STEEL VERTICAL BRACING VB CONNECTION DETAILS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1196-00002	STRUCTURAL STEEL VERTICAL BRACING VB AND VB CONNECTION DETAILS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1196-00003	STRUCTURAL STEEL VERTICAL BRACING VB CONNECTION DETAILS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1196-00004	STRUCTURAL STEEL VERTICAL BRACING VB CONNECTION DETAILS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1196-00005	STRUCTURAL STEEL VERTICAL BRACING VB CONNECTION DETAILS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1196-00006	STRUCTURAL STEEL VERTICAL BRACING VB CONNECTION DETAILS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1197-00001	STRUCTURAL STEEL HORIZONTAL BRACING HB CONNECTION DETAIL	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1197-00002	STRUCTURAL STEEL HORIZONTAL BRACING HB CONNECTION DETAIL	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1197-00003	STRUCTURAL STEEL HORIZONTAL BRACING HB CONNECTION DETAIL	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1197-00004	STRUCTURAL STEEL HORIZONTAL BRACING HB CONNECTION DETAIL	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1197-00005	STRUCTURAL STEEL HORIZONTAL BRACING HB CONNECTION DETAIL	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1197-00006	STRUCTURAL STEEL HORIZONTAL BRACING HB CONNECTION DETAIL	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1197-00007	STRUCTURAL STEEL HORIZONTAL BRACING HB CONNECTION DETAIL	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1197-00008	STRUCTURAL STEEL HORIZONTAL BRACING HB CONNECTION DETAIL	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00001	STRUCTURAL STEEL VERTICAL BRACING VB - BEAM COLUMN BC CONNECTION	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00002	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00003	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00004	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00005	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00006	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00007	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00008	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00009	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1198-00010	STRUCTURAL STEEL CONNECTION DETAIL TYPICAL SECTIONS AND DETAILS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1199-00001	TOWER STRUCTURAL STEEL CRANE, RE BACKS	Bechtel	#####		Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-1199-00002	BASE PLATE PLAN	Bechtel	#####		Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1210-00001	PLAN AT EL. 111'-4 1/2, 113'-6 1/2	Bechtel	#####		Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1210-00002	PLAN AT EL. 125'-10 1/2 AND 132'-6 3/8	Bechtel	#####		Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1210-00003	PLAN AT EL. 139'-10 1/2, 150'-8 1/2	Bechtel	#####		Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1210-00004	ELEVATION ON GRID 10 AND 11	Bechtel	#####		Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1220-00001	ELEVATION ON GRID 12, 14 AND 15	Bechtel	#####		Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1230-00001	ELEVATION ON GRID A, B, G, F AND L	Bechtel	#####		Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1230-00002	ELEVATION ON GRID N, S, V AND W	Bechtel	#####		Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1241-00001	COLUMN BASE PLATES CONNECTION DETAIL	Bechtel	#####		Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1241-00002	COLUMN WEB TO BEAM CONNECTION DETAIL	Bechtel	#####		Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1241-00003	COLUMN FLANGE TO BEAM CONNECTION DETAIL	Bechtel	#####		Y



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1391-00004	COLUMN TO BEAM WELDED CONNECTION DETAIL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1392-00001	BEAM TO BEAM CONNECTION DETAIL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1392-00002	H BRACE CONNECTION DETAIL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1393-00002	H BRACE CONNECTION DETAIL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1393-00003	H BRACE CONNECTION DETAIL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1393-00004	H BRACE CONNECTION DETAIL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1394-00001	V BRACE CONNECTION DETAIL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1394-00002	V BRACE CONNECTION DETAIL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1394-00003	V BRACE CONNECTION DETAIL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1394-00004	V BRACE CONNECTION DETAIL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1394-00005	V BRACE CONNECTION DETAIL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1394-00006	V BRACE CONNECTION DETAIL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1394-00007	STUB COLUMN CONNECTION DETAIL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1395-00002	BEARING CONNECTION DETAIL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1395-00001	GRATING PLAN AT EL 111-8	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1395-00002	GRATING PLAN AT EL 135-5	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1395-00003	GRATING PLAN AT EL 145-5	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-SS-1410-00003	DESIGN OF EDT-IDT STEEL PLATFORM UNITS 1,2,3	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1410-00001	EDT-IDT PLATFORM STEEL SHEET 1	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1410-00002	EDT-IDT PLATFORM STEEL SHEET 2	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1410-00003	EDT-IDT PLATFORM STEEL SHEET 3	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1410-00004	EDT-IDT PLATFORM STEEL SHEET 4	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1410-00005	EDT-IDT PLATFORM STEEL SHEET 5	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00001	BASE PLATE PLAN AND CORN DETAIL PIPE RACK STRUCTURAL STEEL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00002	PLAN AT LVL 114-8 1/2 (TOS) PIPE RACK STRUCTURAL STEEL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00003	PLAN AT LVL 120-2 1/8 (TOS) PIPE RACK STRUCTURAL STEEL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00004	ELEVATION ON GRID - RA AND RB PIPE RACK STRUCTURAL STEEL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00005	ELEVATION ON GRID - RC AND RD PIPE RACK STRUCTURAL STEEL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00006	ELEVATION ON GRID - R1, R2, R3 AND R4 PIPE RACK STRUCTURAL STEEL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00007	ELEVATION ON GRID - R5, R6, AND R7 PIPE RACK STRUCTURAL STEEL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00008	COLUMN WEB TO BEAM CORN DETAIL PIPE RACK STRUCTURAL STEEL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00009	COLUMN FLANGE TO BEAM CORN - BOLTED PIPE RACK STRUCTURAL STEEL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00010	BEAM TO BEAM CORN DETAIL PIPE RACK STRUCTURAL STEEL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00011	H BRACE CONNECTION DETAIL PIPE RACK STRUCTURAL STEEL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00012	V BRACE CONNECTION DETAIL PIPE RACK STRUCTURAL STEEL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00013	V BRACE CONNECTION DETAIL PIPE RACK STRUCTURAL STEEL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-1910-00014	V BRACE CONNECTION DETAIL PIPE RACK STRUCTURAL STEEL	Bechtel			Y
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-2110-00001	STEAM TURBINE STRUCTURAL STEEL PIPING RACK PLAN	Bechtel		Jun-11	
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-2110-00001	STEAM TURBINE STRUCTURAL STEEL PIPING PLATFORMS PLAN	Bechtel		Jun-11	
STRUC-1	G	Approval	Civil	Drawing	25542-000-SS-2110-00001	STEAM TURBINE STRUCTURAL STEEL PIPING RACK ELEVATIONS & SECTIONS	Bechtel		Jun-11	
STRUC-1		Approval	Civil	Drawing	25542-000-SS-2410-00001	PLAN AT LVL EL 111-0 58 (TOS) STG ENCLOSURE PLATFORM - SHEET 1	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-2410-00002	PLAN AT LVL EL 119-8 11/16 (TOS) STG ENCLOSURE PLATFORM - SHEET 2	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-2410-00003	PLAN AT LVL EL 111-8 1/8 (TOS) STG ENCLOSURE PLATFORM - SHEET 3	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-2410-00004	PLAN AT LVL EL 117-7 1/4 (TOS) STG ENCLOSURE PLATFORM - SHEET 4	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-2410-00005	PLAN AT LVL EL 110-1 (TOS) STG ENCLOSURE PLATFORM - SHEET 5	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-2410-00006	PLAN AT LVL EL 110-1 (TOS) STG ENCLOSURE PLATFORM - SHEET 6	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-2410-00007	PLAN AND SECTION AT RAMP PLATFORM STG ENCLOSURE PLATFORM - SHEET 7	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-2410-00008	PLAN AT LVL EL 109-7 (TOS) STG ENCLOSURE PLATFORM - SHEET 8	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-2410-00009	CONNECTION DETAILS STG ENCLOSURE PLATFORM - SHEET 9	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-2410-00010	CONNECTION DETAILS STG ENCLOSURE PLATFORM - SHEET 10	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7210-00011	STRAINER PLATFORM PLAN AND ELEVATION	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7210-00012	DIESEL FILL PLATFORM PLAN AND ELEVATION	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-9010-00003	DIESEL FILLING PLATFORM STEEL PLAN AT EL 3005-0 (TOS)	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-3210-00001	PLAN AND ELEVATIONS GCB STRUCTURAL STEEL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-3210-00002	STRUCTURAL STEEL CONNECTION DETAILS GCB STRUCTURAL STEEL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-3210-00003	STRUCTURAL STEEL CONNECTION DETAILS GCB STRUCTURAL STEEL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-3210-00004	PLAN AND ELEVATION PSB STEEL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-3210-00005	SECTIONS PSB STEEL	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7110-00001	ISOMETRIC VIEW SUNSHADE STEEL - WTA	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7110-00002	PLAN SUNSHADE STEEL - WTA	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7110-00003	PLAN AT RAFTER BRACE SUNSHADE STEEL - WTA	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7110-00004	SECTIONS SUNSHADE STEEL - WTA	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7110-00005	SIDE RUNNER SECTIONS SUNSHADE STEEL - WTA	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7110-00006	CONNECTION DETAILS (SHEET 1) SUNSHADE STEEL - WTA	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7110-00007	PLAN ELEVATIONS AND CONNECTIONS DETAILS PIPE SUPPORTS WT AREA	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7110-00008	PLAN AND ELEVATIONS PLATFORM WT AREA	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7110-00009	CONNECTIONS DETAILS PLATFORM WT AREA	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7110-00010	CONNECTIONS DETAILS PLATFORM WT AREA	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7110-00011	CONNECTION DETAILS (SHEET 2) SUNSHADE STEEL - WTA	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7210-00001	ISOMETRIC VIEW ACC AREA SUNSHADE	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7210-00002	ACC AREA SUNSHADE PLAN	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7210-00003	ACC AREA SUNSHADE PLAN AT RAFTER BRACE	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7210-00004	ACC AREA SUNSHADE SECTIONS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7210-00005	ACC AREA SUNSHADE SIDE RUNNER SECTIONS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7210-00006	ACC AREA SUNSHADE CONNECTION DETAILS SHEET 1	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-7210-00007	ACC AREA SUNSHADE CONNECTION DETAILS SHEET 2	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-8110-00001	ELECTRICAL CABINET SUPPORT FRAME KEY PLAN	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-8110-00002	ADMIN BLDG MCC CABINET RACK	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-8110-00003	ADMIN BLDG RVT AND UPS CABINET RACKS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-8110-00004	ADMIN BLDG ESD I/O, SPINCS AND FUTURE CABINET RACKS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-8110-00005	ADMIN BLDG MISC CABINET RACKS	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-9010-00001	PLATFORM NEAR FIRE WATER TANK	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-9010-00002	CONNECTION DETAILS NEAR FIRE WATER TANK	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-111-SS1-0000-120E-1004	ELEVATION ON GRID G, K, 17 & 19	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-111-SS1-0000-130E-1004	ELEVATION ON GRID G, K, 17 & 19	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-111-SS1-0000-140E-1004	ELEVATION ON GRID G, K, 17 & 19	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-111-SS1-0000-150E-1004	ELEVATION ON GRID G, K, 17 & 19	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-111-SS1-0000-160E-1004	ELEVATION ON GRID G, K, 17 & 19	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-111-SS1-0000-170E-1004	ELEVATION ON GRID G, K, 17 & 19	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-111-SS1-0000-180E-1005	ELEVATION ON GRID G, K, 17 & 19	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-111-SS1-0000-190E-1005	ELEVATION ON GRID G, K, 17 & 19	Bechtel			Y



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
STRUC-1		Approval	Civil	Drawing	25542-111-SS1-0000-11000000	ELEVATION ON GRID G, K, 17 & 19	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-111-SS1-0000-11001000	ELEVATION ON GRID G, K, 17 & 19	Bechtel			Y
STRUC-1	NA	Approval	Civil	Drawing	25542-002-SW-3000-00001	33KV TRANSMISSION LINE WOOD POLE AND GUY WIRE	Bechtel			Y
CGW-1	NA	Approval	Civil	Control Plan	25542-002-SRG-R010-00001	DRAINAGE, EROSION AND SEDIMENT CONTROL PLAN PHASE 2	Bechtel			Y
CGW-1	NA	Approval	Civil	Control Plan	25542-002-SRG-R010-00001	DESIGN PHASE 3	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Calculation	25542-001-CGC-CG00-00001	UNIT 1 STORMWATER AND SITE DRAINAGE DESIGN	Bechtel		10 A	Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Calculation	25542-002-CGC-0000-00001	UNIT 2 STORMWATER AND SITE DRAINAGE DESIGN	Bechtel		Sep-	Y
CGW-1	NA	Approval	Civil	Calculation	25542-002-CGC-CG00-00002	IVANPAH 2 POWER BLOCK DIVERSION CHANNELS HYDRAULIC DESIGN	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Calculation	25542-003-CGC-0000-00001	UNIT 3 STORMWATER AND SITE DRAINAGE DESIGN	Bechtel		####	
CGW-1	NA	Approval	Civil	Calculation	25542-003-CGC-CG00-00001	IVANPAH 3 POWER BLOCK DRAINAGE SIZING	Bechtel			Y
CGW-1	NA	Approval	Civil	Calculation	25542-003-CGC-CG00-00002	IVANPAH 3 POWER BLOCK DIVERSION CHANNELS HYDRAULIC SIZING	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Calculation	25542-009-CGC-CG00-00001	COMMON AREA STORMWATER AND SITE DRAINAGE DESIGN	Bechtel		10 A	Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-0100-00001	POWER BLOCK SUMP	Bechtel		Feb-	
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-0410-00001	Steam Turbine Platform PIPE RACK FOUNDATIONS	Bechtel		####	
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-1110-00001	DESIGN OF SOL SUPPORTED FOUNDATION FOR SOLAR TOWER FOR IN-SERVICE	Bechtel		Dec-	Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-1110-00003	DESIGN OF FOUNDATIONS FOR MODULES DURING CONSTRUCTION PHASE	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-1110-00004	DESIGN OF FOUNDATIONS FOR SRSG TOWER MODULES DURING	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-1120-00001	Solar TOWER ELEVATED SLAB	Bechtel		Dec-	
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-1410-00001	DESIGN OF POWER BLOCK AREA SUMP	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-1910-00001	DESIGN OF AUXILIARY BOILER SUMP	Bechtel		Jun-11	Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-2210-00002	DESIGN OF FOUNDATION FOR HEATER BAY FOUNDATION FOR ALL UNITS	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-2210-00001	DESIGN OF FOUNDATION FOR LUBE OIL UNIT	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-2310-00001	DESIGN OF FOUNDATION FOR AIR COOLED CONDENSER	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-2410-00001	STEAM TURBINE FOUNDATION	Bechtel		10 A	Y
STRUC-1	G	Approval	Civil	Calculation	25542-001-DBC-2410-00001	UNIT 1 STEAM TURBINE GENERATOR FOUNDATION - ANALYSIS AND DESIGN	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-001-DBC-2410-00002	ANCHORAGE CAPACITY CHECK	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-001-DBC-2410-00003	DESIGN OF EMBED PLATES FOR STG FOUNDATION	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-2490-00001	STEAM TURBINE PEDESTAL EMBEDDED PLATES	Bechtel		10 A	
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-3110-00001	Plant Services Bldg Foundation	Bechtel		Feb-	
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-3210-00001	ELECTRICAL MODULE 1 SLAB	Bechtel		Jun-11	Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-3210-00002	ELECTRICAL MODULE 2 SLAB	Bechtel		Jul-11	Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-3210-00007	DESIGN OF FOUNDATION FOR EXCITATION TRANSFORMER FOR UNIT 1, 2, 3	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-3210-00008	DESIGN OF FOUNDATION FOR GENERATOR CIRCUIT BREAKER SUPPORTING	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-3210-00010	DESIGN OF FOUNDATION FOR MCC TRANSFORMERS UNIT 1 - 2 AND 3	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-3210-00011	DESIGN OF POWER DISTRIBUTION UNIT (PDU) FOUNDATION - SOLAR FIELD	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-3210-00012	DESIGN OF FOUNDATION FOR STATION SERVICE TRANSFORMER	Bechtel			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-3210-00001	DESIGN OF FOUNDATION FOR PAD MOUNTED 33KV SWITCHGEAR	Bechtel			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-3210-00002	DESIGN OF FOUNDATION FOR PAD MOUNTED 500KVA TRANSFORMER FOR	Bechtel			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-3210-00003	DESIGN OF FOUNDATION FOR PAD MOUNTED 1000KVA TRANSFORMER FOR	Bechtel			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-3210-00005	DESIGN OF FOUNDATION FOR PAD MOUNTED 1000KVA TRANSFORMER FOR	Bechtel			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-3210-00006	DESIGN OF FOUNDATION FOR 120 AMP ELECTRICAL SWITCHBOARDS	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7010-00001	DESIGN OF FOUNDATION FOR COMMON AREA FIRE-RAW WATER TANKS	Bechtel			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-3310-00001	MCC TRANSFORMER FOUNDATION	Bechtel		Jun-11	
TSE-5	T	Approval	Civil	Calculation	25542-000-DBC-3410-00001	UNIT AUXILIARY & GENERATOR STEP-UP TRANSFORMER FOUNDATION	Bechtel		####	
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-3710-00001	EMERGENCY DIESEL GENERATOR FOUNDATION	Bechtel		Jun-11	Y
TSE-5	T	Approval	Civil	Calculation	25542-000-DBC-3810-00001	GENERATOR CIRCUIT BREAKER & EXCITATION TRANSFORMER FOUNDATION	Bechtel		####	
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-6110-00001	LUBE OIL/DIESEL UNLOADING AREA SLAB	Bechtel		####	
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7110-00001	WATER TREATMENT AREA SLAB	Bechtel		####	Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7110-00002	WATER TREATMENT AREA EQUIPMENT PAD	Bechtel		####	Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7110-00003	DESIGN OF ANCHORS FOR DEMIN WATER TRAILER	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7110-00004	DESIGN OF WT ELECTRICAL EQUIPMENT MODULE FOUNDATION FOR UNIT 1, 2	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7110-00005	DESIGN OF FOUNDATION FOR SRSG BLOW DOWN COOLER	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7110-00006	DESIGN OF MISCELLANEOUS PIPE SUPPORTS NEAR WSAC FOR UNITS 1/2/3	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7110-00008	DESIGN OF SUN SHADE FOUNDATION - WT AREA	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7110-00009	DESIGN OF DEMINERALIZED SWAS BUILDING FOUNDATION - WT AREA	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7110-00010	DESIGN OF FOUNDATIONS FOR PLANT AIR EQUIPMENT	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7210-00001	AIR COOLED CONDENSER FOUNDATIONS	Bechtel		Feb-	
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-7210-00003	CONDENSATE POLYMER SUMP FOR UNITS 1/2/3	Bechtel			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-7211-00001	DRY DELUGED AUXILIARY COOLER FOUNDATION SECTIONS & DETAILS	Bechtel		####	
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7510-00001	DESIGN OF FOUNDATION FOR FIRE WATER PUMP PACKAGE AND ENCLOSURE	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7510-00001	DEMINERALIZED WATER STORAGE TANK FOUNDATION - DESIGN OF	Bechtel		####	Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7510-00002	RAW WATER SUPPLY STORAGE TANK FOUNDATION	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7510-00003	DESIGN OF FOUNDATION FOR MINOR WASH WATER STORAGE TANK	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7510-00004	DESIGN OF FOUNDATION FOR PORTABLE WATER TANK	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7710-00001	WASTEWATER COLLECTION TANK FOUNDATION	Bechtel		Jun-11	
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-7710-00002	DESIGN OF FOUNDATION FOR THE WASTE WATER TANK	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-9010-00001	MISC-GONGRETE-FOUNDATIONS	Bechtel	DELETE	####	
STRUC-1	G	Approval	Civil	Calculation	25542-009-DBC-9010-000##	MIRROR WASH TANK FOUNDATION	Bechtel		####	
STRUC-1	NA	Approval	Civil	Calculation	25542-009-DBC-9010-000##	CPDU FOUNDATIONS (HELIOSTAT FIELD)	Bechtel		Jun-11	
STRUC-1		Approval	Civil	Calculation	25542-009-DBC-7510-00001	DESIGN OF FOUNDATION FOR FIRE WATER SUPPLY PACKAGE AND ENCLOSURE	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-DBC-7510-00001	DESIGN OF FOUNDATION FOR COMMON AREA FIRE-RAW WATER TANKS	Bechtel			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-9010-00001	DESIGN OF FOUNDATION FOR HELIOSTAT ASSEMBLY BUILDING AND PAD	Bechtel			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-9010-00002	DESIGN OF ANCHORAGES FOR COLUMNS AND TIE RODS FOR HELIOSTAT	Bechtel			Y
STRUC-1	NA	Approval	Civil	Calculation	25542-000-DBC-9010-00003	DESIGN OF GRADE SLAB FOR HAB AND PMAB	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-DBC-9010-00005	DESIGN OF FOUNDATION FOR WATER TREATMENT EQUIPMENT NEAR PAD	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-009-DBC-9010-000##	WEATHER STATION FOUNDATION	Bechtel	DELETE	####	
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-0410-00001	Steam Turbine platform PIPE RACK STRUCTURAL STEEL PLAN	Bechtel		Jun-11	
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1100-00001	SOLAR TOWER STRUCTURAL ANALYSIS	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1100-00002	CROSS WIND ANALYSIS OF SOLAR TOWER	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1110-00001	Solar TOWER STRUCTURAL STEEL BASE PLATE DESIGN	Bechtel		####	
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00001	Solar TOWER STRUCTURAL STEEL PLATFORM DESIGN	Bechtel		####	Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00002	SOLAR TOWER STRUCTURAL PLATFORM DESIGN - ELEVATION 120	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00003	SOLAR TOWER STRUCTURAL PLATFORM DESIGN - ELEVATION 140	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00004	SOLAR TOWER STRUCTURAL PLATFORM DESIGN - ELEVATION 160	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00005	SOLAR TOWER STRUCTURAL PLATFORM DESIGN - ELEVATION 220	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00006	SOLAR TOWER STRUCTURAL PLATFORM DESIGN - ELEVATION 250	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00007	SOLAR TOWER STRUCTURAL PLATFORM DESIGN - ELEVATION 260	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00008	SOLAR TOWER STRUCTURAL PLATFORM DESIGN - ELEVATION 270	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00009	SOLAR TOWER STRUCTURAL PLATFORM DESIGN - ELEVATION 270	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00010	SOLAR TOWER STRUCTURAL PLATFORM DESIGN - ELEVATION 345-40	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00011	SOLAR TOWER STRUCTURAL PLATFORM DESIGN - ELEVATION 410	Bechtel			Y



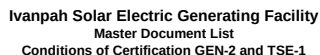
Ivanpah Solar Electric Generating Facility
Master Document List
Conditions of Certification GEN-2 and TSE-1

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00012	SOLAR TOWER STRUCTURAL PLATFORM DESIGN - ELEVATION 427	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00013	SOLAR TOWER STRUCTURAL PLATFORM DESIGN - ELEVATION 439	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00014	CONNECTION DESIGN FOR TOWER COLUMNS	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00015	DESIGN OF LATERAL FORCE RESISTING SYSTEM OF SOLAR TOWER (UP TO EL.	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00016	CONNECTION DESIGN OF VERTICAL BRACING FOR TOWER	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00018	STAIR TOWER CONNECTION DESIGN	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00019	PLATFORM CONNECTION DESIGN - FLOORS 220 TO 439	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00020	PLATFORM CONNECTION DESIGN - FLOORS 120- 140- 180	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00021	FINITE ELEMENT ANALYSIS FOR SOLAR TOWER KNUCKLE CONNECTION	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1120-00022	CONNECTION DESIGN FOR CONSTRUCTION LIFT DEVICES	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00023	SRSG COLUMN AND VERTICAL BRACE DESIGN	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00023	SRSG EL 451 STRUCTURAL STEEL PLATFORM DESIGN	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00024	SRSG EL 460 STRUCTURAL STEEL PLATFORM DESIGN	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00025	SRSG EL 472 STRUCTURAL STEEL PLATFORM DESIGN	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00027	SRSG EL 481 STRUCTURAL STEEL PLATFORM DESIGN	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00028	SRSG EL 503 STRUCTURAL STEEL PLATFORM DESIGN	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00030	SRSG EL 524 STRUCTURAL STEEL PLATFORM DESIGN	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00031	SRSG EL 538 STRUCTURAL STEEL PLATFORM DESIGN	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00032	SRSG EL 561 STRUCTURAL STEEL PLATFORM DESIGN	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00026	SRSG EL WATERWALL STEEL DESIGN	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00026	SRSG COLUMN AND VERTICAL BRACE CONNECTION DESIGN	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00026	SRSG BEAM CONNECTION DESIGN	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00027	SRSG HORIZONTAL BRACE CONNECTION DESIGN	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00036	SRSG MISCELLANEOUS STEEL CONNECTION DESIGN	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00036	SRSG - STEEL CONNECTIONS BEYOND MAIN COLUMN LINES	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00033	SRSG PROTECTION PANELS STRUCTURAL STEEL DESIGN	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1120-00040	SRSG PROTECTION PANELS STEEL CONNECTION DESIGN	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1140-00001	Solar TOWER STRUCTURAL STEEL SUPPORT LEVEL DESIGN	Bechtel		####	
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1150-00001	Solar TOWER STRUCTURAL STEEL STAIR TOWER	Bechtel		####	Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1150-00001	SOLAR TOWER STRUCTURAL ANALYSIS DURING CONSTRUCTION	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1970-00001	DESIGN OF AUXILIARY BOLTER PIPE BACK STEEL AND CONNECTION DESIGN	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-2110-00001	STEAM TURBINE STRUCTURAL STEEL PIPE RACK	Bechtel		Jun-11	
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-2120-00001	STEAM TURBINE STRUCTURAL STEEL PIPING PLATFORMS	Bechtel		Jun-11	
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-2210-00001	DESIGN OF HEATER BAY STEEL PLATFORM	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-3210-00001	DESIGN OF GENERATOR CIRCUIT BREAKER STRUCTURAL STEEL	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-3510-00001	3KV WOOD POLE DESIGN	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1110-00001	DESIGN OF SUNSHADE STEEL STRUCTURE - WTA FOR UNIT 1, 2, 3	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-1110-00002	DESIGN OF MISCELLANEOUS STEEL PIPE SUPPORTS MPS AND STEEL PLATFORM	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-7210-00001	DESIGN OF SUNSHADE STEEL STRUCTURE ACC AREA FOR UNITS 1, 2 AND 3	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-8100-00001	ADMIN BUILDING EQUIPMENT RACK DESIGN	Bechtel			Y
STRUC-1		Approval	Civil	Calculation	25542-000-SSC-9210-00002	DESIGN OF MISC STEEL PIPE SUPPORTS (MPS) AND STEEL PLATFORM DESIGN	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1010-00002	115KV TRANSMISSION LINE - CURRENT TRANSFORMER VOLTAGE	Bechtel			Y
STRUC-1	G	Approval	Civil	Calculation	25542-000-SSC-1010-00003	115KV TRANSMISSION LINE - DISCONNECT SWITCH STEEL SUPPORT	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-3510-00001	115 KV SWITCHYARD EQUIPMENT SUPPORT STRUCTURES ARRANGEMENT PLAN	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-3510-00002	115KV SWITCHYARD STRUCTURAL STEEL DISCONNECT SWITCH SUPPORT 01	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-3510-00002	115KV SWITCHYARD STRUCTURAL STEEL SUPPORTS 02 03 04	Bechtel			Y
STRUC-1		Approval	Civil	Drawing	25542-000-SS-3510-00002	115KV SWITCHYARD STRUCTURAL STEEL SUPPORT 05	Bechtel			Y
GEN-1	NA	Approval	Civil	Document	25542-000-G27-GZC-00067	Geotechnical Report - Unit 1 & Common Facility	Vendor		####	Y
GEN-1	NA	Approval	Civil	Document	25542-000-K0R-CY00-00001	SUBSURFACE INVESTIGATION AND FOUNDATION REPORT UNIT 2	Bechtel			Y
GEN-1	NA	Approval	Civil	Document	25542-000-K0R-CY00-00001	SUBSURFACE INVESTIGATION AND FOUNDATION REPORT FOR THE IVANPAH	Bechtel			Y
GEN-1	NA	Approval	Civil	Document	25542-000-K0R-CY00-00001	SUBSURFACE INVESTIGATION AND FOUNDATION REPORT	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Civil	Specification	25542-000-3PS-CE01-00001	SITE PREPARATION AND EARTHWORK CONSTRUCTION	Bechtel		10 A	Y
CIVIL-1	NA	Approval	Civil	Specification	25542-000-3PS-CS01-00001	BITUMINOUS PAVING OF ROADS	Bechtel		10 A	Y
CIVIL-4		Approval	Civil	Specification	25542-000-3PS-CY04-00004	SITE SURVEYING SERVICES	Bechtel	Delete		
CIVIL-4		Reference	Civil	Specification	25542-000-3PS-CY06-00004	SUBSURFACE INVESTIGATION AND LABORATORY TESTING	Bechtel	Delete		
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-DB01-00001	FURNISHING AND DELIVERING READY-MIX CONCRETE	Bechtel		010 A	Y
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-DB02-00001	CONCRETE WORK	Bechtel		010 A	Y
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-DD00-00001	PURCHASE OF EMBEDDED STEEL AND ANCHOR BOLTS	Bechtel		010 A	Y
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-DG01-00001	REINFORCING BAR	Bechtel		010 A	Y
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-SS01-00001	PURCHASE OF STRUCTURAL AND MISCELLANEOUS STEEL	Bechtel		#####	Y
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-SS02-00001	ERECTION OF STRUCTURAL AND MISCELLANEOUS STEEL	Bechtel		Jan-11	Y
STRUC-1	G	Approval	Civil	Specification	25542-000-3PS-SY01-00001	MATERIAL TESTING SERVICES FOR CONCRETE, EARTHWORK, AND PAVING	Bechtel		Aug-11	Y
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1A-AKBS-000##	information) ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		####	
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1A-AKBS-000##	ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		####	
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1A-AKBS-000##	BUILDING	Vendor		####	
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1A-AKBS-000##	ARCHITECTURAL SCHEDULES , ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		####	
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1A-AKBS-000##	STRUCTURAL DRAWINGS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		####	
STRUC-1	G	Approval	Architectural	Document	25542-000-V1A-AKBS-000##	ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		####	
STRUC-1	G	Approval	Architectural	Calculation	25542-000-V1A-AKBS-000##	STRUCTURAL CALCULATIONS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		####	
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1A-AKBS-000##	FOUNDATION DRAWINGS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		####	
STRUC-1	G	Approval	Architectural	Calculation	25542-000-V1A-AKBS-000##	FOUNDATION CALCULATIONS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		####	
MECH-3	G	Approval	Architectural	Drawing	25542-000-V1A-AKBS-000##	HVAC SYSTEM PLANS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		####	
MECH-3	G	Approval	Architectural	Calculation	25542-000-V1A-AKBS-000##	HVAC SYSTEM CALCULATIONS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		####	
MECH-1	G	Approval	Architectural	Drawing	25543-000-V1A-AKBS-000##	PLUMBING PLANS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		####	
MECH-1	G	Approval	Architectural	Drawing	25544-000-V1A-AKBS-000##	FIRE PROTECTION PLANS, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		####	
MECH-1	G	Approval	Architectural	Calculation	25545-000-V1A-AKBS-000##	BUILDING	Vendor		####	
ELEC-1	G	Approval	Architectural	Drawing	25546-000-V1A-AKBS-000##	BUILDING	Vendor		####	
ELEC-1	G	Approval	Architectural	Drawing	25547-000-V1A-AKBS-000##	ELECTRICAL PANEL SCHEDULES, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		####	
ELEC-1	G	Approval	Architectural	Calculation	25548-000-V1A-AKBS-000##	ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		####	
1	G	Approval	Architectural	Document	25548-000-V1A-AKBS-000##	CERTIFICATE(S) OF COMPLIANCE, ADMIN/MAINTENANCE/WAREHOUSE BUILDING	Vendor		####	
GEN-5	G	Approval	Architectural	Document	25542-000-V1A-AKBS-000##	BUILDING	Vendor		11 A	
STRUC-1	NA	Approval	Architectural	Drawing	25542-000-V1B-AKBS-000##	access/egress information)	Vendor		####	
STRUC-1	NA	Approval	Architectural	Drawing	25542-000-V1B-AKBS-000##	ARCHITECTURAL BUILDING ELEVATIONS AND SECTIONS , HELIOSTAT BUILDING	Vendor		####	
STRUC-1	NA	Approval	Architectural	Drawing	25542-000-V1B-AKBS-000##	ARCHITECTURAL BUILDING DETAILS , HELIOSTAT BUILDING	Vendor		####	
STRUC-1	NA	Approval	Architectural	Drawing	25542-000-V1B-AKBS-000##	ARCHITECTURAL SCHEDULES, HELIOSTAT BUILDING	Vendor		####	
STRUC-1	NA	Approval	Architectural	Drawing	25543-001-V1B-AKBS-000##	structural observations)	Vendor		####	
STRUC-1	NA	Approval	Architectural	Document	25543-001-V1B-AKBS-000##	STATEMENT OF SPECIAL INSPECTIONS (CBC CH. 17), HELIOSTAT BUILDING	Vendor		####	
STRUC-1	NA	Approval	Architectural	Calculation	25544-002-V1B-AKBS-000##	structural observations)	Vendor		####	
MECH-3	NA	Approval	Architectural	Drawing	25545-003-V1B-AKBS-000##	HVAC SYSTEM PLANS, HELIOSTAT BUILDING	Vendor		####	
MECH-3	NA	Approval	Architectural	Calculation	25546-004-V1B-AKBS-000##	HVAC SYSTEM CALCULATIONS, HELIOSTAT BUILDING	Vendor		####	
MECH-1	NA	Approval	Architectural	Drawing	25547-005-V1B-AKBS-000##	FIRE PROTECTION PLANS, HELIOSTAT BUILDING (including product data submittals)	Vendor		####	



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
MECH-1	NA	Approval	Architectural	Calculation	25548-008-V1B-AKBS-000##	FIRE PROTECTION CALCULATIONS, HELIOSTAT BUILDING	Vendor		#####	
ELEC-1	NA	Approval	Architectural	Drawing	25550-008-V1B-AKBS-000##	ELECTRICAL PANEL SCHEDULES, HELIOSTAT BUILDING	Vendor/Bechtel		#####	
ELEC-1	NA	Approval	Architectural	Calculation	25551-009-V1B-AKBS-000##	LIGHTING AND ELECTRICAL DESIGN CALCULATIONS, HELIOSTAT BUILDING	Vendor		#####	
1/ ELEC-1	NA	Approval	Architectural	Document	25552-010-V1B-AKBS-000##	CERTIFICATE(S) OF COMPLIANCE, HELIOSTAT BUILDING	Vendor		#####	
GEN-5	NA	Approval	Architectural	Resume	25553-011-V1B-AKBS-000##	RESPONSIBLE ENGINEER(S) RESUME(S), HELIOSTAT BUILDING	Vendor		11 A	
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1C-AKBS-000##	ARCHITECTURAL FLOOR PLANS, PLANT SERVICES BUILDING	Vendor		Feb-	
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1C-AKBS-000##	BUILDING	Vendor		Feb-	
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1C-AKBS-000##	ARCHITECTURAL BUILDING DETAILS, PLANT SERVICES BUILDING	Vendor		Feb-	
STRUC-1	G	Approval	Architectural	Drawing	25542-000-V1C-AKBS-000##	ARCHITECTURAL SCHEDULES, PLANT SERVICES BUILDING	Vendor		Feb-	
STRUC-1	G	Approval	Architectural	Drawing	25543-001-V1C-AKBS-000##	STRUCTURAL DRAWINGS, PLANT SERVICES BUILDING	Vendor		Feb-	
STRUC-1	G	Approval	Architectural	Document	25543-001-V1C-AKBS-000##	STATEMENT OF SPECIAL INSPECTIONS (CBC CH. 17), PLANT SERVICES BUILDING	Vendor		Feb-	
STRUC-1	G	Approval	Architectural	Calculation	25544-002-V1C-AKBS-000##	STRUCTURAL CALCULATIONS, PLANT SERVICES BUILDING	Vendor		Feb-	
MECH-3	G	Approval	Architectural	Drawing	25545-003-V1C-AKBS-000##	HVAC SYSTEM PLANS, PLANT SERVICES BUILDING	Vendor		#####	
MECH-3	G	Approval	Architectural	Calculation	25546-004-V1C-AKBS-000##	HVAC SYSTEM CALCULATIONS, PLANT SERVICES BUILDING	Vendor		#####	
MECH-1	G	Approval	Architectural	Drawing	25547-005-V1C-AKBS-000##	FIRE PROTECTION PLANS, PLANT SERVICES BUILDING	Vendor		#####	
MECH-1	G	Approval	Architectural	Calculation	25548-006-V1C-AKBS-000##	FIRE PROTECTION CALCULATIONS, PLANT SERVICES BUILDING	Vendor		#####	
ELEC-1	G	Approval	Architectural	Drawing	25549-007-V1C-AKBS-000##	ELECTRICAL SINGLE LINE DRAWING, PLANT SERVICES BUILDING	Vendor		#####	
ELEC-1	G	Approval	Architectural	Drawing	25550-008-V1C-AKBS-000##	ELECTRICAL PANEL SCHEDULES, PLANT SERVICES BUILDING	Vendor		#####	
ELEC-1	G	Approval	Architectural	Calculation	25551-009-V1C-AKBS-000##	LIGHTING AND ELECTRICAL DESIGN CALCULATIONS, PLANT SERVICES BUILDING	Vendor		#####	
1	G	Approval	Architectural	Document	25552-010-V1C-AKBS-000##	CERTIFICATE(S) OF COMPLIANCE, PLANT SERVICES BUILDING	Vendor		#####	
GEN-5	G	Approval	Architectural	Resume	25553-011-V1C-AKBS-000##	RESPONSIBLE ENGINEER(S) RESUME(S), PLANT SERVICES BUILDING	Vendor		Nov-	
S&W-1 / CIVIL-1	NA	Approval	Architectural	Drawing	25542-000-CG-0010-00001	POWER BLOCK ROUGH GRADING PLAN	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Architectural	Drawing	25542-000-CG-0010-00001	POWER BLOCK ROUGH GRADING SECTIONS	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Architectural	Drawing	25542-000-CG-0010-00001	HYDROLOGY PLAN/POST DEVELOPMENT	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Architectural	Drawing	25542-000-CG-0010-00002	POWER BLOCK HYDROLOGY PLAN/POST DEVELOPMENT	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Architectural	Drawing	25542-000-CG-0011-00001	INTERSECTIONS	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Architectural	Drawing	25542-000-CG-0011-00002	WASH CROSSINGS AT DEPTHS OF 2.0 TO 3.0' AT ROAD/PATH INTERSECTIONS	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Architectural	Drawing	25542-000-CG-0011-00003	WASH CROSSINGS AT DEPTHS OF 1.0 TO 2.0' AT ROAD/PATH INTERSECTIONS	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Architectural	Drawing	25542-000-CG-0011-00004	WASH CROSSINGS AT DEPTHS OF 1.0 TO 2.0' AT LOCATION TABLES	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Architectural	Drawing	25542-000-CG-0010-00001	EROSION AND SEDIMENT CONTROL PLAN	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Architectural	Drawing	25542-000-CG-0010-00010	ROADWAY GRADING AND PAVING PLAN	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Architectural	Drawing	25542-000-CG-0010-00001	FINISHED PAVING AND GRADING	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Architectural	Drawing	25542-000-CG-0011-00001	DRY ROAD AND HELIOSTAT MAINTENANCE PATH PLAN	Bechtel			Y
S&W-1 / CIVIL-1	NA	Approval	Architectural	Drawing	25542-000-3A-E010-00001	SOLAR FIELD CABLE AND ANCHORAGE INSTALLATION	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-3A-E010-00002	SOLAR FIELD ASSEMBLIES	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-3A-E010-00003	FOR 480V AC UPS PANEL, BOARDS LOCATED OUTDOOR IN SOLAR FIELD	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-3A-E010-00004	ARM FOR SPLIT PVC CONDUIT SYSTEM IN SOLAR FIELD	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-3A-E010-00005	MOVIE	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Specification	25542-000-3P-MOVE-00001	INDUCTION MOTOR	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Specification	25542-000-3P-MOVE-00002	MOTOR	Bechtel			Y
ELEC-1	Reference	Electrical	Drawing	25542-000-E0-EY-00001	UNIT 1 ELECTRICAL PHASING DIAGRAM	Bechtel				Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E0-EY-00001	UNIT 2 ELECTRICAL PHASING DIAGRAM	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E0-EY-00001	UNIT 3 ELECTRICAL PHASING DIAGRAM	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-E1-0000-00001	EY: Unit-1: Main Single Line Diagram	Bechtel		Aug-	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-E1-EU-00001	UPS POWER	Bechtel			Y
ELEC-1	T	Approval	Electrical	Drawing	25542-001-E1-E2-00001	UNIT 1 115KV SWITCHBOARD SINGLE LINE METER AND RELAY DIAGRAM	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-002-E1-0000-00001	EY: Unit-2/3: Main Single Line Diagram	Bechtel		Nov-	Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-E1-EY00-00001	EY: Unit-1: Main Generation Single Line M & R Diagram (GSUT, UAT, GCB)	Bechtel		Mar-	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-E1-EY00-00001	EY: Unit-2/3 Main Generation Single Line M & R Diagram (GSUT, UAT, GCB)	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E1-0000-00001	COMMISSIONING	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E1-0000-00002	COMMISSIONING WITH DIESEL GENERATOR	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EOR-EG00-00002	ROOM LAYOUT	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Evaluation	25542-000-EOR-EG00-00001	ENERGIZATION WITH 250VA GENERATOR	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Evaluation	25542-000-EOR-EG00-00002	STATION SERVICE TRANSFORMER FROM 33KV POWER SYSTEM	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Evaluation	25542-000-EOR-EG00-00003	ENERGIZATION WITH 170KVA GENERATOR	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Evaluation	25542-000-EOR-EG00-00004	GENERATOR STEP UP TRANSFORMER FROM 115KV POWER SYSTEM	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Evaluation	25542-000-EOR-EG00-00004	STATION SERVICE TRANSFORMER FROM 33KV POWER SYSTEM	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Evaluation	25542-000-EOR-EG00-00005	ENERGIZATION OF GENERATOR STEP UP TRANSFORMER FROM 115KV POWER	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Evaluation	25542-000-EOR-EG00-00004	STATION SERVICE TRANSFORMER FROM 33KV POWER SYSTEM	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Evaluation	25542-000-EOR-EG00-00005	ENERGIZATION OF GENERATOR STEP UP TRANSFORMER FROM 115KV POWER	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E1-EC-00001	CENTER	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E1-EC-00002	SINGLE LINE METERING AND RELAY DIAGRAM - MOTOR CONTROL CENTERS	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E1-ED-00001	SYSTEMS - PSB	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E1-EF-00001	SINGLE LINE DIAGRAM - MAIN GATE	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-E3-00001	RELAY DIAGRAM 4 18KV SWITCHGEAR MCC BUS 1-E3-ES-3111B	Bechtel		Jul-11	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E1-E3-00001	SINGLE LINE METERING AND RELAY DIAGRAM 4 18KV SWITCHGEAR MCC	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E1-E3-00002	SWITCHGEAR - MCC BUS 1-E3-ES-3111A	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E1-EU-00001	AND BOP 1 AND 2 MOTORS	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E1-0000-00003	SINGLE LINE DIAGRAM - BRSC ELEVATOR	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-E1-0000-00001	UNIT 2 AND 3 MAIN SINGLE LINE DIAGRAM	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-E1-0000-00002	NORMAL POWER	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-E1-0000-00004	TEMPORARY POWER FEED SINGLE LINE DIAGRAM UNIT POWER BLOCK AREA	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-E1-EU-00001	NORMAL POWER	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-E1-0000-00003	NORMAL POWER	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-E1-EU-00001	NORMAL POWER	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-E1-EU-00001	AREA	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-009-E1-0000-00001	33kv System Single Line Diagram	Bechtel		Aug-	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-E1-0000-00004	SINGLE LINE METERING AND RELAY DIAGRAM - ADMIN BUILDING	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-E1-0000-00001	UNIT 1 MAIN SINGLE LINE DIAGRAM	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-E1-0000-00002	ES: Unit-1: Construction Power Single Line Diagram	Bechtel		Aug-	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-E1-0000-00002	NORMAL POWER	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-0011-00001	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 1	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-0011-00002	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 2	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-0011-00003	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 3	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-0011-00004	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 4	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-0011-00005	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 5	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-0011-00006	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 6	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-0011-00007	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 7	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-0011-00008	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 8	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-0011-00009	RACEWAY PLAN HELIOSTAT FIELD UNIT 1 - SHEET 9	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-0011-00010	UNDERGROUND RACEWAY PLAN WATER TREATMENT AREA PLAN E1-2070-0	Bechtel			Y

ISEGS Monthly Compliance Report - May 2014



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-EU-00013	480V AC SRSG UPS EFM DISTRIBUTION BOARD SCHEDULE E	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-ED-00002	MAIN PLANT 125V DC SWITCHBOARD SCHEDULES	Bechtel			Y
ELEC-1		Reference	Electrical	Drawing	25542-000-EC-EW-00001	WT ELECTRICAL EQUIPMENT MODULE - CABLE SCHEDULE	Bechtel			Y
ELEC-1		Reference	Electrical	Drawing	25542-000-EC-EW-00002	ACC EQUIPMENT MODULE - CABLE SCHEDULE	Bechtel			Y
ELEC-1		Reference	Electrical	Drawing	25542-000-EC-EW-00003	STG EQUIPMENT MODULE - CABLE SCHEDULE	Bechtel			Y
ELEC-1		Reference	Electrical	Drawing	25542-000-EC-EW-00004	SRSG EQUIPMENT MODULE - CABLE SCHEDULE	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-7110-00001	UNIT 2 RACEWAY PLAN WATER TREATMENT AREA FROM 3029-0 TO EL 3048-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-7110-00002	UNIT 2 RACEWAY PLAN WATER TREATMENT AREA AT EL 3029-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-7110-00003	UNIT 2 RACEWAY PLAN WATER TREATMENT AREA AT EL 3029-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-7110-00004	UNIT 2 RACEWAY PLAN WATER TREATMENT AREA AT EL 3029-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-7210-00001	UNIT 2 RACEWAY PLAN ACC AREA PLAN FROM EL 3029-0 TO EL 3041-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-7210-00002	UNIT 2 RACEWAY PLAN ACC AREA PLAN FROM EL 3055-0 TO EL 3050-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-7210-00003	UNIT 2 RACEWAY PLAN ACC AREA PLAN FROM EL 3055-0 TO EL 3050-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-7210-00004	UNIT 2 RACEWAY PLAN ACC AREA PLAN FROM EL 3049-0 TO EL 3050-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-7210-00005	UNIT 2 RACEWAY PLAN ACC AREA PLAN FROM EL 3055-0 TO EL 3050-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-7210-00006	UNIT 2 RACEWAY PLAN ACC AREA PLAN FROM EL 3029-0 TO EL 3050-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-7210-00007	UNIT 2 RACEWAY PLAN ACC AREA PLAN FROM EL 3029-0 TO EL 3050-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-7210-00008	UNIT 2 RACEWAY PLAN ACC AREA SECTIONS AND DETAILS	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-7210-00009	UNIT 2 RACEWAY PLAN AIR COOLED CONDENSER AREA PLAN AT EL 3029-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-E1-0000-00002	ES: Unit-2/3: Construction Power Single Line Diagram	Bechtel		Sep-	
ELEC-1	G	Approval	Electrical	Drawing	25542-009-E1-0000-00002	EC: Common Area, CCR and Admin Building Single Line M & R Diagram	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-E1-0000-00003	EC: HelioStat Building Single Line M & R Diagram	Bechtel		Aug-	Y
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-ED-00001	Services Building)	Bechtel		10 A	Y
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-ED-00002	ED: SRSG 480 and 120 VAC UPS Single Line M&R Diagram-	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-009-E1-ED-00001	ED: CCR 120 VAC UPS Single Line M&R Diagram-	Bechtel		Nov-	Y
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00002	EC: Unit: 480V ESSENTIAL MCC #1 (PSB) - Single Line M & R Diagram	Bechtel	indicated	Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00003	EC: Unit: 480V ESSENTIAL MCC #2 (STG) - Single Line M & R Diagram	Bechtel	indicated	Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00004	EC: Unit: 480V STG MCC # 1 - Single Line M & R Diagram	Bechtel	indicated	Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00005	EC: Unit: 480V STG MCC # 2 - Single Line M & R Diagram	Bechtel	indicated	Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00006	EC: Unit: 480V Tower MCC - Single Line M & R Diagram	Bechtel	indicated	Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00007	EC: Unit: 480V Common MCC - Single Line M & R Diagram	Bechtel	indicated	Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00008	EC: Unit: 480V BOP MCC #1 (Water Treatment) - Single Line M & R Diagram	Bechtel	indicated	Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00009	EC: Unit: 480V BOP MCC #2 (Water Treatment) - Single Line M & R Diagram	Bechtel	indicated	Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00010	EC: Unit: 480V 480V ACC MCC# 1 - Single Line M & R Diagram	Bechtel	indicated	Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00011	EC: Unit: 480V 480V ACC MCC# 2 - Single Line M & R Diagram	Bechtel	indicated	Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00012	EC: Unit: 480V 480V ACC MCC# 3 - Single Line M & R Diagram	Bechtel	indicated	Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-E1-EK-00013	EC: Unit: 480V 480V ACC MCC# 4 - Single Line M & R Diagram	Bechtel	indicated	Jun-11	
ELEC-1		Approval	Electrical	Drawing	25542-001-E1-EY-00001	SINGLE LINE METERING AND RELAY DIAGRAM - GEN, SCB, GSUT, UAT UNIT 1	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-E1-EY-00001	AND 2	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-E3-1910-00001	AREA CLASSIFICATION PLAN AUXILIARY BOILER AREA PLAN EL 3079-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-E3-1910-00002	AREA CLASSIFICATION PLAN AUXILIARY BOILER AREA PLAN EL 2879-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-E3-1910-00001	UNIT 2 AREA CLASSIFICATION PLAN AUX BOILER AREA PLAN EL 3029-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-E3-1910-00002	UNIT 2 AREA CLASSIFICATION PLAN AUX BOILER AREA PLAN EL 3029-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-E3-1910-00001	UNIT 3 AREA CLASSIFICATION PLAN AUXILIARY BOILER AREA PLAN EL 3188-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-E3-1910-00002	UNIT 3 AREA CLASSIFICATION PLAN AUXILIARY BOILER AREA PLAN EL 3188-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-009-E4-0011-00001	EQUIPMENT LOCATION HELIOSTAT FIELD POLL ARRANGEMENT	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E4-3110-00001	ELECTRICAL EQUIPMENT LAYOUT PLANT SERVICES BLDG	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-E6-EC-0001	500 VAC CONSTRUCTION POWER PANEL BOARD SCHEDULES UNIT 1	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-E6-EC-0002	120-240 VAC LIGHTING PANEL SCHEDULE UNIT 1	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E6-EC-00001	480 VAC CONSTRUCTION POWER PANEL BOARD SCHEDULES	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E6-EL-00001	120-240 VAC AND 120-208 VAC LIGHTING PANEL SCHEDULES	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-E8-0010-00001	AREA	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-E8-0010-00002	TEMPORARY POWER CONSTRUCTION FACILITIES LAYOUT	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-E8-0010-00002	ADMIN BUILDING UNITS 1 & 2 SECURITY GATE CABLE SCHEDULE	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EL-0010-00002	POWERBLOCK AREA ROADWAY LIGHTING PLAN	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-EL-0010-00001	UNIT 2 POWER BLOCK AREA ROADWAY LIGHTING PLAN	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EL-0010-00001	UNIT 3 POWER BLOCK AREA ROADWAY LIGHTING PLAN	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EL-0010-00005	ADMIN BUILDING AREA ROADWAY LIGHTING PLAN	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-009-EL-0010-00006	LIGHTING PLAN COMMON AREA WELL AND WATER STORAGE AREA	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-001-ELC-EL-00002	UNIT 1 POWERBLOCK LIGHTING CALCULATION	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ELC-EL-00001	LIGHTING CALCULATIONS UNIT 2 POWER BLOCK ROADWAY LIGHTING	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-ELC-EL-00001	LIGHTING CALCULATIONS UNIT 3 POWER BLOCK ROADWAY LIGHTING	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-009-ELC-EL-00003	ADMIN BUILDING AREA ROADWAY LIGHTING CALCULATION	Bechtel			Y
ELEC-1		Approval	Electrical	Calculation	25542-009-ELC-EL-00004	LIGHTING CALC FOR WELL AND WATER STORAGE AREA	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ERL-0000-00001	ONE US Raceway Notes Symbols and Details	Bechtel		Nov-	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ERL-0000-00002	RACEWAY	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-ERL-0000-00003	ABOVEGROUND RACEWAY	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-0001-00001	POWER BLOCK MANHOLE LAYOUT	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-0001-00002	POWER BLOCK MANHOLE LAYOUTS	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-0001-00003	POWER BLOCK MANHOLE LAYOUT	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-0001-00004	POWER BLOCK MANHOLE LAYOUT	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-0001-00005	33KV DIRECT BURIED CABLE CONSTRUCTION POWER POWER BLOCK AREA	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1001-00001	UNDERGROUND RACEWAY PLAN SRSG TOWER AREA EL 2879-0"	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1010-00001	RACEWAY PLAN SRSG TOWER AREA EL 2879-0"	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1010-00002	RACEWAY SECTIONS SRSG TOWER AREA EL 2879-0"	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1020-00001	RACEWAY PLAN SRSG TOWER AREA EL 2899-0"	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1030-00001	RACEWAY PLAN SRSG TOWER AREA EL 2919-0"	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1030-00002	RACEWAY SECTION SRSG TOWER AREA EL 2919-0"	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1040-00001	RACEWAY SECTION SRSG TOWER AREA EL 2949-0"	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1070-00001	RACEWAY PLAN SRSG TOWER AREA EL 3055-0" TO 3129-0"	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-1090-00001	RACEWAY PLANS AND SECTIONS SRSG AREA EL 3174-0 AND 3194-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-1110-00001	RACEWAY PLANS AND SECTIONS SRSG AREA EL 3090-0 AND EL 3219-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-1120-00001	RACEWAY PLANS AND SECTIONS SRSG AREA EL 3200-0 AND EL 3239-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-1120-00002	RACEWAY SECTION SRSG AREA EL 3239-0 AND 333-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-1140-00001	RACEWAY PLANS AND SECTIONS SRSG AREA EL 3251-0 AND EL 3270-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-1160-00001	RACEWAY PLANS AND SECTIONS SRSG AREA EL 3279-10 AND EL 3303-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-1180-00001	RACEWAY PLANS AND SECTIONS SRSG AREA EL 3314-0 AND EL 3334-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-1201-00001	PLAN EL 2975-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-1210-00001	ABOVEGROUND RACEWAY PLAN AUXILIARY BOILER AREA PLAN EL 2975-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-1210-00002	ABOVEGROUND RACEWAY PLAN AUXILIARY BOILER AREA PLAN EL 2975-0	Bechtel			Y

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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-7210-00006	RACEWAY PLAN ACC AREA PLAN	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-7210-00006	RACEWAY PLAN ACC AREA PLAN	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-7210-00007	RACEWAY PLAN ACC AREA PLAN	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-7210-00008	RACEWAY PLAN ACC AREA PLAN	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-7210-00009	RACEWAY PLAN ACC AREA PLAN	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-7291-00001	UNIT 1: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS ACC AREA	Bechtel		11 A	Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3301-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN SWITCHYARD AREA	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3391-00001	AREA	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2101-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN STEAM TURBINE AREA	Bechtel		Dec	Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2101-00002	6 INCHES	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2110-00001	RACEWAY PLAN AND SECTIONS TURBINE LUBE OIL AREA	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2410-00001	PLAN	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2191-00001	UNIT 1: UNDERGROUND PLAN SECTIONS AND DETAILS STEAM TURBINE AREA	Bechtel		Dec-	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2102-00001	UNIT 1: EMBEDDED CONDUIT PLAN STEAM TURBINE PEDESTAL	Bechtel		Dec-	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2192-00001	PEDESTAL	Bechtel		Dec-	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1501-00001	POWER BLOCK MANHOLE LAYOUT	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1001-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN SRSG TOWER AREA	Bechtel		11 A	Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1002-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN SRSG TOWER AREA	Bechtel		11 A	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1002-00001	AREA	Bechtel		11 A	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1901-00001	UNDERGROUND RACEWAY PLAN FOR NIGHT TIME PRESERVATION BOILER AREA	Bechtel		Jun-11	Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1991-00001	AREA	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3001-00001	CABLE PIT	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3091-00001	UNIT 1: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS CABLE PIT	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3101-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING AREA	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3102-00001	UNIT 1: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING AREA	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3191-00001	SERVICES BUILDING AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-3600-00001	UNIT 1 FIBER OPTIC ROUTING PLAN FOR 110KV TRANSMISSION LINE	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-3600-00002	UNIT 1 FIBER OPTIC ROUTING PLAN FOR 110KV TRANSMISSION LINE	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-3600-00003	FIBER OPTIC CONDUIT SECTIONS	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-3710-00001	UNDERGROUND RACEWAY PLAN SWITCHYARD AREA PLAN EL 2875-0	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3791-00002	5 INCHES	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3795-00001	DETAILS	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-3791-00001	PLAN EL 2875-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-3710-00001	UNDERGROUND RACEWAY PLAN SWITCHYARD AREA UNIT 1 PLAN EL 2875-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-3710-00001	UNDERGROUND RACEWAY PLAN SWITCHYARD AREA UNIT 1 PLAN EL 3020-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-3710-00001	UNDERGROUND RACEWAY PLAN SWITCHYARD AREA UNIT 1 PLAN EL 3138-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-3010-00001	RACEWAY PLAN DRAIN TANK AND CHEMICAL STORAGE AREA EL 2875-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-3010-00001	RACEWAY PLAN DRAIN TANK AND CHEMICAL STORAGE AREA UNIT 3 EL 3020-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-3010-00001	RACEWAY PLAN DRAIN TANK AND CHEMICAL STORAGE AREA UNIT 3 EL 3138-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-3011-00001	PLAN	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-ER-3011-00001	PLAN	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1902-00001	BOILER	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-1992-00001	PRESERVATION BOILER AREA	Bechtel		Jun-11	
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0001-00001	UNIT 2 POWERBLOCK MANHOLE LAYOUTS	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0001-00002	UNIT 2 POWERBLOCK MANHOLE LAYOUTS	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0001-00003	UNIT 2 POWERBLOCK MANHOLE LAYOUTS	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0001-00004	UNIT 2 POWERBLOCK MANHOLE LAYOUTS	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0001-00005	UNIT 2 POWERBLOCK MANHOLE LAYOUTS	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0010-00002	AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0011-00001	RACEWAY PLAN HELIOSTAT FIELD UNIT 2 - SHEET 1	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0011-00002	RACEWAY PLAN HELIOSTAT FIELD UNIT 2 - SHEET 2	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0011-00003	RACEWAY PLAN HELIOSTAT FIELD UNIT 2 - SHEET 3	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0011-00004	RACEWAY PLAN HELIOSTAT FIELD UNIT 2 - SHEET 4	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0011-00005	RACEWAY PLAN HELIOSTAT FIELD UNIT 2 - SHEET 5	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0011-00006	RACEWAY PLAN HELIOSTAT FIELD UNIT 2 - SHEET 6	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0011-00007	RACEWAY PLAN HELIOSTAT FIELD UNIT 2 - SHEET 7	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0011-00008	RACEWAY PLAN HELIOSTAT FIELD UNIT 2 - SHEET 8	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0011-00009	RACEWAY PLAN HELIOSTAT FIELD UNIT 2 - SHEET 9	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0011-00010	RACEWAY PLAN HELIOSTAT FIELD UNIT 2 - SHEET 10	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-0011-00011	RACEWAY PLAN HELIOSTAT FIELD UNIT 2 - SHEET 11	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1010-00001	RACEWAY PLAN SRSG TOWER AREA UNIT 2	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1010-00002	RACEWAY SECTIONS SRSG TOWER AREA UNIT 2	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1020-00001	RACEWAY PLAN SRSG TOWER AREA UNIT 2	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1030-00001	RACEWAY PLAN SRSG TOWER AREA UNIT 2	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1030-00002	RACEWAY SECTIONS SRSG TOWER AREA UNIT 2	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1080-00001	RACEWAY PLAN SRSG TOWER AREA UNIT 2	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1070-00001	RACEWAY PLAN SRSG TOWER AREA UNIT 3	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1090-00001	RACEWAY PLAN AND SECTIONS SRSG AREA EL 3324-0 AND EL 3344-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1110-00001	RACEWAY PLAN AND SECTIONS SRSG AREA EL 3356-0 AND 3369-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1120-00001	RACEWAY PLAN AND SECTIONS SRSG AREA EL 3390-0 AND 3395-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1120-00002	RACEWAY PLAN AND SECTIONS SRSG AREA EL 3390-0 TO EL 3480-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1140-00001	RACEWAY PLAN AND SECTIONS SRSG AREA EL 3401-0 AND EL 3420-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1160-00001	RACEWAY PLAN AND SECTIONS SRSG AREA EL 3420-0 AND EL 3463-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-1180-00001	RACEWAY PLAN AND SECTIONS SRSG AREA EL 3465-0 AND EL 3480-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-2110-00001	RACEWAY PLAN AND SECTIONS TURBINE LUBE OIL AREA UNIT 2	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-2210-00001	RACEWAY PLAN AND SECTIONS HEATER BAY AREA UNIT 2	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-2220-00001	RACEWAY PLAN AND SECTIONS HEATER BAY AREA UNIT 2	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-ER-2230-00001	RACEWAY PLAN AND SECTIONS HEATER BAY AREA UNIT 2	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-7101-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN WATER TREATMENT AREA	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-7102-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN WATER TREATMENT AREA	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-7191-00001	TREATMENT AREA	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-7201-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN ACC AREA	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-7202-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN ACC AREA	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-7291-00001	UNIT 2: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS ACC AREA	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3301-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN SWITCHYARD AREA	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3391-00001	AREA	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2101-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN STEAM TURBINE AREA	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2191-00001	UNIT 2: UNDERGROUND PLAN SECTIONS AND DETAILS STEAM TURBINE AREA	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2102-00001	UNIT 2: EMBEDDED CONDUIT PLAN STEAM TURBINE PEDESTAL	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2192-00001	PEDESTAL	Bechtel		Jun-11	



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1001-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN SRSG TOWER AREA	Bechtel		Jun-11	Y
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1002-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN SRSG TOWER AREA	Bechtel		Jun-11	Y
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1091-00001	AREA	Bechtel		Jun-11	Y
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1901-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN AUX BOILER AREA	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1991-00001	AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-2101-00001	UNDERGROUND RACEWAY PLAN UNIT 2 TURBINE AREA PLAN EL 3188-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-2101-00002	UNDERGROUND RACEWAY PLAN UNIT 3 TURBINE AREA PLAN EL 3188-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-2410-00001	PLAN	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3001-00001	CABLE PIT	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3091-00001	UNIT 2: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS CABLE PIT	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3101-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING AREA	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3102-00001	UNIT 2: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING AREA	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3191-00001	SERVICES BUILDING AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3501-00001	PLAN EL 3025-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3501-00002	110KV SWITCHYARD UNDERGROUND RACEWAY PLAN	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3600-00001	UNIT 2 FIBER OPTIC UG ROUTING PLAN FOR 110KV TRANSMISSION LINE	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3600-00002	COMMON AREA FIBER OPTIC UG ROUTING PLAN FOR 110KV TRANSMISSION LINE	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3680-00001	FIBER OPTIC CONDUIT SECTIONS	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-0011-00002	RACEWAY PLAN AND SECTIONS HELIOSTAT FIELD POU ARRANGEMENT	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-0011-00003	SOLAR FIELD STANDARD TRENCHING DETAILS	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3510-00001	110KV SWITCHYARD ABOVEGROUND RACEWAY	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3510-00002	110KV SWITCHYARD ABOVEGROUND RACEWAY	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3580-00001	FIBER OPTIC CONDUIT SECTIONS	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3690-00002	FIBER OPTIC CONDUIT SECTIONS	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-1901-00001	PLAN EL 3025-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3701-00001	UNDERGROUND RACEWAY PLAN SWITCHYARD AREA PLAN EL 3025-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3701-00002	EL 3025-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3790-00001	AND DETAILS UNIT 2	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3791-00001	PLAN EL 3025-0	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1902-00001	BOILER	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1992-00001	PRESERVATION BOILER AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-7101-00001	UNDERGROUND RACEWAY PLAN WATER TREATMENT AREA PLAN EL 3188-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-7201-00001	3	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-7201-00002	3	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-7201-00003	UNDERGROUND RACEWAY PLAN ACC AREA UNIT 2	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-7201-00004	2	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-7291-00001	3	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-0011-00001	UNIT 3 GROUNDING SYSTEM PLAN HELIOSTAT FIELD	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-1701-00001	UNIT 3 GROUNDING PLAN SRSG TOWER AREA EL 3188-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-1701-00001	UNIT 3 GROUNDING PLAN AUXILIARY BOILER AREA PLAN AT EL 3188-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-3701-00001	3188-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-3701-00002	UNIT 3 GROUNDING PLAN SWITCHYARD AREA PLAN EL 3188-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-3701-00003	3188-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-7101-00001	UNIT 3 GROUNDING PLAN WATER TREATMENT AREA PLAN AT EL 3188-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-0001-00001	UNIT 3 POWER BLOCK MANHOLE LAYOUT	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-0001-00002	UNIT 3 POWER BLOCK MANHOLE LAYOUT	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-0001-00003	UNIT 3 POWER BLOCK MANHOLE LAYOUT	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-0001-00004	UNIT 3 POWER BLOCK MANHOLE LAYOUT	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-0001-00005	UNIT 3 POWER BLOCK MANHOLE LAYOUT	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-0010-00002	BLOCK AREA	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-0011-00001	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 1	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-0011-00002	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 2	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-0011-00003	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 3	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-0011-00004	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 4	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-0011-00005	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 5	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-0011-00006	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 6	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-0011-00007	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 7	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-0011-00008	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 8	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-0011-00009	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 9	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-0011-00010	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 10	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-0011-00011	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 11	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-0011-00012	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 12	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-0011-00013	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 13	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-0011-00014	RACEWAY PLAN HELIOSTAT FIELD UNIT 3 - SHEET 14	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-2101-00001	UNDERGROUND RACEWAY PLAN UNIT 3 - TURBINE AREA PLAN EL 3188-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-2101-00002	UNDERGROUND RACEWAY PLAN UNIT 3 - TURBINE AREA PLAN EL 3188-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-2110-00001	RACEWAY PLAN AND SECTIONS TURBINE LUBE OIL AREA UNIT 3 - EL 3188-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-2210-00001	RACEWAY PLAN AND SECTIONS HEATER BAY AREA UNIT 3 - EL 3188-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-2220-00001	RACEWAY PLAN AND SECTIONS HEATER BAY AREA UNIT 3 - EL 3199-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-2230-00001	RACEWAY PLAN AND SECTIONS HEATER BAY AREA UNIT 3 - EL 3214-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-2410-00001	PLAN	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3501-00001	PLAN AT EL 3188-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3501-00002	110KV SWITCHYARD UNDERGROUND RACEWAY PLAN	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3600-00001	UNIT 3 FIBER OPTIC UG ROUTING PLAN FOR 110KV TRANSMISSION LINE	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3600-00002	UNIT 3 FIBER OPTIC UG ROUTING PLAN FOR 110KV TRANSMISSION LINE	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3680-00001	FIBER OPTIC CONDUIT SECTIONS	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3701-00001	UNDERGROUND RACEWAY PLAN SWITCHYARD AREA PLAN EL 3188-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3701-00002	Underground Raceway Plan Plant Services Building Area Unit 3 Plan EL 3188-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3790-00001	Underground Raceway Plan Plant Services Building Area Sections and Details - Unit 3	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-3791-00001	UNDERGROUND RACEWAY PLAN SWITCHYARD AREA SECTIONS AND DETAILS	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-1001-00001	Unit 3 - Underground Raceway Plan SRSG Tower Area Plan EL 3188-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-1010-00001	RACEWAY PLAN SRSG TOWER AREA UNIT 3 - EL 3188-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-1010-00002	RACEWAY SECTION SRSG TOWER AREA UNIT 3 - 3188-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-1020-00001	RACEWAY PLAN SRSG TOWER AREA UNIT 3 - EL 3208-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-1030-00001	RACEWAY PLAN SRSG TOWER AREA UNIT 3 - EL 3228-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-1030-00002	RACEWAY SECTION SRSG TOWER AREA UNIT 3 - EL 3228-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-1060-00001	RACEWAY SECTION SRSG TOWER AREA UNIT 3 - EL 3265-0 TO EL 3464-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-1070-00001	RACEWAY PLAN SRSG TOWER AREA EL 3464-0 AND EL 3463-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-1080-00001	RACEWAY PLAN AND SECTIONS SRSG AREA EL 3463-0 AND EL 3025-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-1501-00001	UNDERGROUND RACEWAY PLAN NIGHT TIME PRESERVATION BOILER AREA	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-1110-00001	RACEWAY PLAN AND SECTIONS SRSG AREA EL 3015-0 AND EL 3027-0	Bechtel			Y



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-1120-00001	RACEWAY PLAN AND SECTIONS SRSG AREA EL 3539-0 AND EL 3549-7	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-1120-00002	RACEWAY SECTION SRSG AREA EL 3539-0 TO EL 3539-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-1140-00001	RACEWAY PLAN AND SECTIONS SRSG AREA EL 3550-3 AND EL 3579-5	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-1160-00001	RACEWAY PLAN AND SECTIONS SRSG AREA EL 3550-10 AND EL 3612-9	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-1180-00001	RACEWAY PLAN AND SECTIONS SRSG AREA EL 3624-6 AND 3630-0	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-7101-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN WATER TREATMENT AREA	Bechtel		#####	Y
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-7102-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN WATER TREATMENT AREA	Bechtel		#####	Y
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7110-00001	UNIT 3 RACEWAY PLAN WT AREA PLAN FROM EL 3188-0 TO EL 3207-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7110-00002	UNIT 3 RACEWAY PLAN WT AREA PLAN AT EL 3188-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7110-00003	UNIT 3 RACEWAY PLAN WT AREA PLAN AT EL 3188-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7110-00004	UNIT 3 RACEWAY PLAN WT AREA PLAN AT EL 3188-0	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-7191-00001	TREATMENT AREA	Bechtel		#####	Y
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-7201-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN ACC AREA	Bechtel		04-11	Y
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7201-00002	S	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7201-00003	S	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7201-00004	S	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-7202-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN ACC AREA	Bechtel		Jul-11	Y
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7210-00001	UNIT 3 RACEWAY PLAN ACC AREA PLAN FROM EL 3188-0 TO 3200-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7210-00002	UNIT 3 RACEWAY PLAN ACC AREA PLAN FROM EL 3224-0 TO EL 3249-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7210-00003	UNIT 3 RACEWAY PLAN ACC AREA PLAN FROM EL 3224-0 TO EL 3249-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7210-00004	UNIT 3 RACEWAY PLAN ACC AREA PLAN FROM EL 3189-0 TO EL 3249-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7210-00005	UNIT 3 RACEWAY PLAN ACC AREA PLAN FROM EL 3244-0 TO EL 3249-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7210-00006	UNIT 3 RACEWAY PLAN ACC AREA PLAN FROM EL 3188-0 TO EL 3249-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7210-00007	UNIT 3 RACEWAY PLAN ACC AREA PLAN FROM EL 3188-0 TO EL 3249-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7210-00008	UNIT 3 RACEWAY PLAN ACC AREA SECTIONS AND DETAILS	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-ER-7210-00009	UNIT 3 RACEWAY PLAN AIR COOLED CONDENSER AREA PLAN AT EL 3188-0	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-7291-00001	UNIT 3: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS ACC AREA	Bechtel		Jul-11	Y
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-3391-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN SWITCHYARD AREA	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-2101-00001	AREA	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-2101-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN STEAM TURBINE AREA	Bechtel		Jul-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-2191-00001	UNIT 3: UNDERGROUND PLAN SECTIONS AND DETAILS STEAM TURBINE AREA	Bechtel		Jul-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-2102-00001	UNIT 3: EMBEDDED CONDUIT PLAN STEAM TURBINE PEDESTAL	Bechtel		Jul-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-2192-00001	PEDESTAL	Bechtel		Jul-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-1001-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN SRSG TOWER AREA	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-1002-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN SRSG TOWER AREA	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-1091-00001	AREA	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-1901-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN AUX BOILER AREA	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-1991-00001	AREA	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-3001-00001	CABLE PIT	Bechtel		Jul-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-3001-00001	UNIT 3: UNDERGROUND PLAN RACEWAY SECTIONS AND DETAILS CABLE PIT	Bechtel		Jul-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-3101-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING AREA	Bechtel		Jul-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-3102-00001	UNIT 3: UNDERGROUND PLAN RACEWAY PLAN PLANT SERVICES BUILDING AREA	Bechtel		Jul-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-3191-00001	SERVICES BUILDING AREA	Bechtel		Jul-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-1902-00001	BOILER	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-1992-00001	PRESERVATION BOILER AREA	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-7610-000##	FACILITIES	Bechtel		Dec-	
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-7690-000##	FACILITIES	Bechtel		Dec-	
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-0010-000##	COMMON: UNDERGROUND RACEWAY PLAN COMMON AREA FACILITIES	Bechtel		Dec-	N
ELEC-1	G	Reference	Electrical	Drawing	25542-009-ER-0010-00001	ROUTING PLAN	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-0010-00002	AREA	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-0010-00003	AREA	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-0010-00004	33KV CABLE ROUTING PLAN HELIOSTAT ASSEMBLY BUILDING AREA	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-0010-00005	UNDERGROUND RACEWAY PLAN HELIOSTAT ASSEMBLY BUILDING AREA	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-0010-00006	LV DIRECT BURIED CABLES ROUTING PLAN HELIOSTAT ASSEMBLY AREA	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-0010-00007	EQUIPMENT AND COR ROOM	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-0010-00008	ROOMS/CS EQUIPMENT AND COR ROOM	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-0010-00009	UNDERGROUND RACEWAY PLAN COMMON AREA SECTIONS AND DETAILS	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-0010-00011	COMMON AREA MANHOLE LAYOUT	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-0010-00012	AREA	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-3210-00001	UNDERGROUND RACEWAY PLAN COMMON AREA 33KV SWITCHGEAR	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-3210-00002	TRANSFORMER COMMON AREA	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-3210-00003	TRANSFORMER COMMON AREA	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-3210-00004	TRANSFORMER 5 TO 35	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-3210-00005	SWITCHBOARD 5-5A-5A	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-3210-00006	5-5A-5A	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-8101-000##	ROOM	Bechtel		Dec-	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-ER-9101-000##	COMMON: EMBEDDED RACEWAY PLAN HELIOSTAT BUILDING FOUNDATION	Bechtel		Dec-	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-ER-9190-000##	AREA	Bechtel		Dec-	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-ER-9101-000##	COMMON: UNDERGROUND RACEWAY PLAN HELIOSTAT BUILDING	Bechtel		Dec-	
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-7601-000##	COMMON: UNDERGROUND RACEWAY PLAN WATER WELL AREAS	Bechtel		Dec-	
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-7601-000##	COMMON: UNDERGROUND RACEWAY PLAN FIRE WATER TANK AND PUMP AREA	Bechtel		Dec-	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-ER-9010-00001	CONSTRUCTION AREA	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-9101-000##	Unit-1: HELIOSTAT FIELD UNDERGROUND RACEWAY PLAN	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-9101-000##	Unit-2: HELIOSTAT FIELD UNDERGROUND RACEWAY PLAN	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-ER-9101-000##	Unit-3: HELIOSTAT FIELD UNDERGROUND RACEWAY PLAN	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-ER-9190-000##	Unit-1: HELIOSTAT FIELD UNDERGROUND CABLE SECTIONS AND DETAILS	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-ER-9190-000##	Unit-2: HELIOSTAT FIELD UNDERGROUND CABLE SECTIONS AND DETAILS	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-ER-9190-000##	Unit-3: HELIOSTAT FIELD UNDERGROUND CABLE SECTIONS AND DETAILS	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EA-2010-00001	EQUIPMENT LOCATION PLAN CONSTRUCTION POWER BLOCK AREA	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EA-3110-00001	Unit: Power Block Electrical bldg - Equip Layout	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EA-3001-00001	EQUIPMENT LOCATION PLAN CONSTRUCTION POWER COMMON AREA	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EA-8110-00001	ELECTRICAL EQUIPMENT LAYOUT COMMON AREA ADMINISTRATION BUS DING	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-000##	Unit: EQUIPMENT LOCATION PLAN SRSG ELECTRICAL EQUIPMENT MODULE	Vendor		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-000##	MODULE	Vendor		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-000##	MODULE	Vendor		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-EKL3-000##	Unit: EQUIPMENT LOCATION PLAN ACC ELECTRICAL EQUIPMENT MODULE	Vendor		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EA-8110-000##	EQUIPMENT LOCATION PLAN ADMIN BLDG & CENTRAL CONTROL ROOM	Vendor		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ERJ-0000-00002	Unit: AG Raceway Notes Symbols and Details	Bechtel		11 A	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1010-000##	UNIT: RACEWAY PLAN SRSG TOWER PLAN EL: 100'-0"	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1010-000##	UNIT 2/3: RACEWAY PLAN SRSG TOWER PLAN EL: 100'-0"	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1020-000##	UNIT: RACEWAY PLAN SRSG TOWER PLAN EL: 120'-0"	Bechtel		#####	



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1020-000##	UNIT 2/3: RACEWAY PLAN SRSG TOWER PLAN EL. 120'-0"	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1030-000##	UNIT: RACEWAY PLAN SRSG TOWER PLAN EL. 140'-0"	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-1030-000##	UNIT 2/3: RACEWAY PLAN SRSG TOWER PLAN EL. 140'-0"	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1040-000##	UNIT: RACEWAY PLAN SRSG TOWER PLAN EL. 180'-0"	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1050-000##	UNIT: RACEWAY PLAN SRSG TOWER PLAN EL. 376'-0" AND EL. 415'-0"	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1110-000##	UNIT: ABOVEGROUND RACEWAY PLAN SRSG STRUCTURE PLAN ELEVATION - 1	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1120-000##	UNIT: ABOVEGROUND RACEWAY PLAN SRSG STRUCTURE PLAN ELEVATION - 2	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1130-000##	UNIT: ABOVEGROUND RACEWAY PLAN SRSG STRUCTURE PLAN ELEVATION - 3	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1140-000##	UNIT: ABOVEGROUND RACEWAY PLAN SRSG STRUCTURE PLAN ELEVATION - 4	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1150-000##	UNIT: ABOVEGROUND RACEWAY PLAN SRSG STRUCTURE PLAN ELEVATION - 5	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1190-000##	UNIT: ABOVEGROUND RACEWAY SECTIONS AND DETAILS SRSG STRUCTURE	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1910-000##	UNIT: ABOVEGROUND RACEWAY PLAN AUXILIARY BOILER AREA AT GRADE	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-1990-000##	AREA	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2110-000##	UNIT 1: RACEWAY PLAN TURBINE AREA PLAN EL. 100'-0" AND EL. 111'-8"	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2120-000##	UNIT 1: RACEWAY PLAN TURBINE AREA PLAN EL. 126'-0"	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2130-000##	UNIT 1: RACEWAY PLAN TURBINE AREA PLAN 138'-3"	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-2190-000##	UNIT 1: RACEWAY SECTIONS AND DETAILS	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2110-000##	UNIT 2/3: RACEWAY PLAN TURBINE AREA PLAN EL. 100'-0" AND EL. 111'-8"	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2120-000##	UNIT 2/3: RACEWAY PLAN TURBINE AREA PLAN EL. 126'-0"	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2130-000##	UNIT 2/3: RACEWAY PLAN TURBINE AREA PLAN 138'-3"	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-2190-000##	UNIT 2/3: RACEWAY SECTIONS AND DETAILS	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-3001-000##	UNIT: ABOVEGROUND RACEWAY PLAN ELECTRICAL BLDG CABLE PIT	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-3110-000##	UNIT: ABOVEGROUND RACEWAY PLAN PSB BLDG	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-3101-00001	RACEWAY LAYOUT PLANT SERVICES BUILDING	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-3101-00002	RACEWAY LAYOUT PLANT SERVICES BUILDING	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-3110-00001	ELECTRICAL PENETRATION PLAN PLANT SERVICES BUILDING	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3110-00001	RACEWAY PLAN (ABOVEGROUND CONDUIT) PSB AREA PLAN EL. 2878'-0	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3110-00001	RACEWAY PLAN (ABOVEGROUND CONDUIT) PSB AREA PLAN EL. 3029'-0	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-3110-00001	RACEWAY PLAN (ABOVEGROUND CONDUIT) PSB AREA PLAN EL. 3188'-0	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-001-ER-3110-00002	RACEWAY PLAN ABOVEGROUND CONDUIT PSB CABLE PIT	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-002-ER-3110-00002	RACEWAY PLAN ABOVEGROUND CONDUIT UNIT 2 PSB CABLE PIT	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-003-ER-3110-00002	RACEWAY PLAN ABOVEGROUND CONDUIT PSB UNIT 3 CABLE PIT	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-3210-00001	SWITCHBOARDS	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-3210-00002	100KVA TRANSFORMERS	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-3310-000##	UNIT: ABOVEGROUND RACEWAY PLAN TRANSFORMER YARD AREA	Bechtel		Oct-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-7110-000##	UNIT: ABOVEGROUND RACEWAY PLAN WATER TREATMENT AT GRADE	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-7190-000##	AREA	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-7210-000##	UNIT: ABOVEGROUND RACEWAY PLAN ACC AREA AT GRADE	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-7220-000##	UNIT: ABOVEGROUND RACEWAY PLAN ACC UPPER ELEVATIONS	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-ER-7290-000##	UNIT: ABOVEGROUND RACEWAY SECTIONS AND DETAILS ACC AREA	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-ER-9111-000##	COMMON: ABOVEGROUND RACEWAY PLAN HELIOSTAT BUILDING	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-ER-9191-000##	BUILDING	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-8110-000##	CONTROL ROOM	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-8190-000##	BLDG & CENTRAL CONTROL ROOM	Bechtel		Jun-11	
ELEC-1	G	Approval	Electrical	Drawing	25542-009-ER-7610-000##	STORAGE FACILITIES	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-ER-9010-000##	WEATHER STATION CAMERA)	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Drawing	25542-000-EQ-0000-00001	CATHODIC PROTECTION PLAN SECTIONS AND DETAILS	Bechtel			Y
ELEC-1	G	Approval	Electrical	Drawing	25542-000-EQ-0000-00002	CARBON STEEL PIPES	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EQJ-0000-00001	Cathodic Protection - Notes Symbols and Details	Bechtel		Aug-	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-0010-00001	Unit-1: CATHODIC PROTECTION PLAN POWERBLOCK AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EQ-0010-00001	Unit-2: CATHODIC PROTECTION PLAN POWERBLOCK AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EQ-0010-00001	Unit-3: CATHODIC PROTECTION PLAN POWERBLOCK AREA	Bechtel		Jan-12	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EQ-0000-00001	CATHODIC PROTECTION DETAILS	Bechtel		Aug-	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EQ-0000-00001	CATHODIC PROTECTION ONE LINE DIAGRAM FUEL GAS PIPE - FG SYSTEM	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EQ-0000-00002	CATHODIC PROTECTION INSTALLATION DETAILS FUEL GAS PIPE - FG SYSTEM	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EQ-0000-00003	SYSTEM	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-NIC-EGAT-00001	CATHODIC PROTECTION NATURAL GAS PIPING	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EQ-0010-00001	Common: CATHODIC PROTECTION NATURAL GAS PIPELINE	Bechtel		Aug-	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-9101-00001	Unit-1: CATHODIC PROTECTION PLAN UG PIPING HELIOSTAT FIELD AREA	Bechtel		Aug-	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EQ-9101-00001	Unit-2: CATHODIC PROTECTION PLAN UG PIPING HELIOSTAT FIELD AREA	Bechtel		Aug-	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EQ-9101-00001	Unit-3: CATHODIC PROTECTION PLAN UG PIPING HELIOSTAT FIELD AREA	Bechtel		Aug-	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EGJ-0000-00001		Bechtel		Sep-	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-0010-00001	Unit-1: Power Block Grounding Plan	Bechtel		Feb-	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-0010-00002	POWER BLOCK LIGHTNING PROTECTION OVERVIEW	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-0011-00001	UNIT 1: GROUNDING SYSTEM PLAN HELIOSTAT FIELD	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-001-EQC-EG-00002	UNIT 1: HELIOSTAT FIELD GROUNDING CALCULATION	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-1901-00001	UNIT 1: GROUNDING PLAN AUXILIARY BOILER AREA PLAN AT EL. 2878'-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-2101-00002	GROUNDING PLAN STG EEM AREA PLAN	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-3501-00001	UNIT 1: GROUNDING PLAN STATION SERVICE TRANSFORMER AREA PLAN	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-3701-00002	UNIT 1: GROUNDING PLAN PSB ELECTRICAL BUILDING	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EQ-0010-00003	GROUNDING PLAN COMMON AREA ADMIN BUILDING AREA	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EQ-0010-00004	GROUNDING PLAN COMMON AREA WELL AND WATER STORAGE AREA	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EQ-0010-00005	PROTECTION OVERVIEW	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-EQC-EG-00001	LIGHTNING RISK ASSESSMENT CALCULATION	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EQ-0010-00001	Unit-2: Power Block Grounding Plan	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EQ-0010-00001	Unit-3: Power Block Grounding Plan	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-7101-00001	UNIT 1: GROUNDING PLAN WATER TREATMENT AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-7102-00001	UNIT 1: GROUNDING PLAN WATER TREATMENT AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-7201-00001	UNIT 1: GROUNDING PLAN ACC AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-7202-00001	UNIT 1: GROUNDING PLAN ACC AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-3301-00001	UNIT 1: GROUNDING PLAN SWITCHYARD AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-2101-00001	UNIT 1: GROUNDING PLAN STEAM TURBINE AREA	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-1001-00001	UNIT 1: GROUNDING PLAN SRSG TOWER AREA	Bechtel		11 A	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-1002-00001	UNIT 1: GROUNDING PLAN SRSG TOWER AREA	Bechtel		11 A	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-1901-00001	UNIT 1: GROUNDING PLAN AUX BOILER AREA	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-2101-00001	2880'-8	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-3101-00001	UNIT 1: GROUNDING PLAN PLANT SERVICES BUILDING AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-3102-00001	UNIT 1: GROUNDING PLAN PLANT SERVICES BUILDING AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-3701-00001	UNIT 1: GROUNDING PLAN SWITCHYARD AREA PLAN EL. 3078'-0"	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-3701-00002	UNIT 1: GROUNDING PLAN PLANT SERVICES ELECTRICAL BUILDING AT EL. 3078'-0"	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EQ-1902-00001	UNIT 1: GROUNDING PLAN NIGHTTIME PRESERVATION AREA BOILER	Bechtel		#####	



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Forecast Date	CBO Approved
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-7201-00001	UNIT 1 GROUNDING PLAN ACC AREA PLAN EL 2879-0				Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-7201-00002	UNIT 1 GROUNDING PLAN ACC AREA PLAN EL 2879-0				Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-7101-00001	GROUNDING PLAN WATER TREATMENT AREA PLAN AT EL 3029-0				Y
ELEC-1		Approval	Electrical	Drawing	25542-002-EG-7101-00001	UNIT 2 GROUNDING PLAN WATER TREATMENT AREA PLAN AT EL 3029-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-EG-7201-00001	UNIT 2 GROUNDING PLAN AIR COOLED CONDENSER AREA PLAN AT EL 3029-0	Bechtel			Y
SRSG-3		Approval	Electrical	Drawing	25542-002-EG-7201-00002	UNIT 2 GROUNDING PLAN AIR COOLED CONDENSER AREA PLAN AT EL 3029-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-7101-00001	UNIT 2: GROUNDING PLAN WATER TREATMENT AREA	Bechtel		09 A	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-7102-00001	UNIT 2: GROUNDING PLAN WATER TREATMENT AREA	Bechtel		09 A	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-7201-00001	UNIT 2: GROUNDING PLAN ACC AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-7202-00001	UNIT 2: GROUNDING PLAN ACC AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-3301-00001	UNIT 2: GROUNDING PLAN SWITCHYARD AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-2101-00001	UNIT 2: GROUNDING PLAN STEAM TURBINE AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-1001-00001	UNIT 2: GROUNDING PLAN SRSG TOWER AREA	Bechtel		Jul-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-1002-00001	UNIT 2: GROUNDING PLAN SRSG TOWER AREA	Bechtel		Jul-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-1901-00001	UNIT 2: GROUNDING PLAN AUX BOILER AREA	Bechtel		Oct-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-3101-00001	UNIT 2: GROUNDING PLAN PLANT SERVICES BUILDING AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-3102-00001	UNIT 2: GROUNDING PLAN PLANT SERVICES BUILDING AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-1902-00001	UNIT 2: GROUNDING PLAN NIGHTTIME PRESERVATION AREA BOILER	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-7101-00001	UNIT 3: GROUNDING PLAN WATER TREATMENT AREA PLAN AT EL 3188-0	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-7102-00001	UNIT 3: GROUNDING PLAN WATER TREATMENT AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-7201-00001	UNIT 3: GROUNDING PLAN ACC AREA	Bechtel		Oct-11	Y
SRSG-3		Approval	Electrical	Drawing	25542-003-EG-7201-00002	UNIT 3 GROUNDING PLAN AIR COOLED CONDENSER AREA PLAN AT EL 3188-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-7202-00001	UNIT 3: GROUNDING PLAN ACC AREA	Bechtel		Oct-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-3301-00001	UNIT 3: GROUNDING PLAN SWITCHYARD AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-2101-00001	UNIT 3: GROUNDING PLAN STEAM TURBINE AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-1001-00001	UNIT 3: GROUNDING PLAN SRSG TOWER AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-1002-00001	UNIT 3: GROUNDING PLAN SRSG TOWER AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-1901-00001	UNIT 3: GROUNDING PLAN AUX BOILER AREA	Bechtel		Oct-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-3101-00001	UNIT 3: GROUNDING PLAN PLANT SERVICES BUILDING AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-3102-00001	UNIT 3: GROUNDING PLAN PLANT SERVICES BUILDING AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-1902-00001	UNIT 3: GROUNDING PLAN NIGHTTIME PRESERVATION AREA BOILER	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EG-3101-00001	UNIT 1: Electrical Service Building Area Grounding Plan	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-0010-00001	UNIT 2 GROUNDING PLAN MAIN PLANT GRID	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-EG-0011-00001	UNIT 2 GROUNDING SYSTEM PLAN HELIOSTAT	Bechtel			N
ELEC-1		Approval	Electrical	Calculation	25542-002-EGC-EG-00002	UNIT 2 HELIOSTAT FIELD GROUNDING CALCULATION	Bechtel			N
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-1901-00001	UNIT 2 GROUNDING PLAN SRSG TOWER AREA EL 3029-0"	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-EG-1901-00001	UNIT 2 GROUNDING PLAN AUXILIARY BOILER AREA PLAN AT EL 3029-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-EG-2101-00001	3549-0	Bechtel			Y
SRSG-3		Approval	Electrical	Drawing	25542-002-EG-2101-00002	UNIT 2 GROUNDING PLAN STG EEM AREA PLAN AT EL 3029-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EG-3101-00001	UNIT 2: Electrical Service Building Area Grounding Plan	Bechtel		#####	
ELEC-1		Approval	Electrical	Drawing	25542-002-EG-3001-00001	3029-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-EG-3701-00001	UNIT 2 GROUNDING PLAN SWITCHYARD AREA PLAN AT EL 3029-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-EG-3701-00002	UNIT 2 GROUNDING PLAN PLANT SERVICES ELECTRICAL BUILDING PLAN	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EG-0010-00001	UNIT 3 GROUNDING PLAN MAIN PLANT GRID	Bechtel			Y
ELEC-1		Approval	Electrical	Calculation	25542-003-EGC-EG-00001	UNIT 3 POWER BLOCK GROUND GRID CALCULATION	Bechtel			Y
ELEC-1		Approval	Electrical	Calculation	25542-003-EGC-EG-00002	UNIT 3 HELIOSTAT FIELD GROUNDING CALCULATION	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EG-2101-00001	5198-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EG-2101-00002	UNIT 3 GROUNDING PLAN STG EEM AREA PLAN AT EL 3188-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-003-EG-3101-00001	UNIT 3: Electrical Service Building Area Grounding Plan	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EG-0010-00001	UNIT: Electrical Service Building Area Grounding Plan	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Drawing	2542-008-EG-0010-00001	GROUND GRID COMMON AREA ADMIN BLDG AND WATER STORAGE AREA	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	2542-008-EG-0010-00002	GROUND GRID HELIOSTAT ASSEMBLY BUILDING AND CONSTRUCTION AREA	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	2542-008-EG-0010-00003	GROUNDING PLAN COMMON AREA ADMIN BUILDING AREA	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	2542-008-EG-0010-00004	GROUNDING PLAN COMMON AREA WELL AND WATER STORAGE AREA	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EG-8101-000##	Common: Admin Building Area and CCR Grounding Plan	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EG-9101-000##	Common: Heliostat Building Area Grounding Plan	Bechtel		11 A	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EG-7601-000##	Common: Common Area Grounding Plan	Bechtel		11 A	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EG-0010-00001	AREA	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EG-0010-00002	AREA	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EG-0010-00003	AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-009-EG-0000-00001	TORTOISE FENCE GROUNDING DETAILS	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EG-0000-00002	COMMON AREA SECURITY FENCE GROUNDING DETAILS	Bechtel			Y
SRSG-3	NA	Approval	Electrical	Drawing	25542-009-EG-0000-00003	TRAILER GROUNDING DETAIL	Bechtel			Y
SRSG-3		Approval	Electrical	Drawing	25542-009-EG-0000-00004	SECURITY GATE GROUNDING DETAILS	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EG-0011-00001	HELIOSTAT FIELD CPDQ AND PDQ GROUNDING DETAILS	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-009-EG-1100-00001	LIGHTNING PROTECTION SRSG TOWER AT EL 100-0 TO EL 509-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-009-EG-1100-00002	LIGHTNING PROTECTION SRSG TOWER AT EL 801-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EG-0010-000##	Unit: Lightning Protection Key Plan	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EG-1160-000##	Unit: Lightning Protection Plan: Boiler Structure	Bechtel		Jul-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EG-3110-000##	Unit: Lightning Protection Plan: PS Admin Building	Vendor		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EG-2111-000##	Unit: Lightning Protection STG Enclosure	Bechtel		Jun-11	
ELEC-1		Approval	Electrical	Drawing	25542-000-EG-2111-00001	LIGHTNING PROTECTION STEAM TURBINE ENCLOSURE	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EG-2111-00002	MODULE	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EG-2111-00003	MODULE	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EG-7111-00001	LIGHTNING PROTECTION WATER TREATMENT ELECTRICAL EQUIPMENT MODULE	Bechtel			Y
ELEC-1		Reference	Electrical	Document	25542-000-EKW-E002-00001	CONDENSER EEM	Bechtel			Y
ELEC-1		Reference	Electrical	Document	25542-000-EKW-E002-00002	TURBINE GENERATOR EEM	Bechtel			Y
ELEC-1		Reference	Electrical	Document	25542-000-EKW-E002-00003	TREATMENT EEM	Bechtel			Y
ELEC-1		Reference	Electrical	Document	25542-000-EKW-E002-00004	RECEIVER STEAM GENERATOR SRSG EEM	Bechtel			Y
VIS-4	NA	Approval	Electrical	Drawing	25542-000-ELJ-0000-00001	Unit: Lighting - Notes, Symbols and Details	Bechtel		Nov-	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-0010-000##	UNIT: ROADWAY LIGHTING PLAN	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-0010-000##	UNIT: CONSTRUCTION LIGHTING PLAN	Bechtel		Aug-	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1010-000##	UNIT: LIGHTING PLAN SRSG TOWER PLAN EL 100'-0"	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1020-000##	UNIT: LIGHTING PLAN SRSG TOWER PLAN EL 120'-0"	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1030-000##	UNIT: LIGHTING PLAN SRSG TOWER PLAN EL 140'-0"	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1040-000##	UNIT: LIGHTING PLAN SRSG TOWER PLAN EL 180'-0"	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1050-000##	UNIT: LIGHTING PLAN SRSG TOWER PLAN EL 376'-0" AND EL 415'-0"	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1110-000##	UNIT: LIGHTING PLAN SRSG STRUCTURE ELEVATION - 1	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1120-000##	UNIT: LIGHTING PLAN SRSG STRUCTURE ELEVATION - 2	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1130-000##	UNIT: LIGHTING PLAN SRSG STRUCTURE ELEVATION - 3	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1140-000##	UNIT: LIGHTING PLAN SRSG STRUCTURE ELEVATION - 4	Bechtel		Jun-11	



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1150-000##	UNIT: LIGHTING PLAN SRSG STRUCTURE ELEVATION - 5	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1160-000##	UNIT: LIGHTING PLAN SRSG AVIATION WARNING	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1090-000##	UNIT: LIGHTING PLAN TOWER STRUCTURE STAIRWAY	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1910-000##	Unit: LIGHTING PLAN AUXILIARY BOILER AREA AT GRADE	Bechtel		#####	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-1990-000##	Unit: LIGHTING PLAN AUXILIARY BOILER AREA ELEVATION & SECTIONS	Bechtel		#####	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-2110-000##	UNIT: LIGHTING TURBINE AREA PLAN EL 100'-0" AND EL. 111'-8"	Bechtel		#####	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-2120-000##	UNIT: LIGHTING TURBINE AREA PLAN EL 126'-0"	Bechtel		#####	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-2130-000##	UNIT: LIGHTING TURBINE AREA PLAN 138'-3"	Bechtel		#####	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-2190-000##	Unit: MISCELLANEOUS LIGHTING STEAM TURBINE AREA	Bechtel		#####	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-3001-000##	Unit: LIGHTING PLAN ELECTRICAL BLDG CABLE PIT	Bechtel		Jan-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-3110-000##	Unit: LIGHTING PLAN ADMIN & ELECTRICAL BLDG	Vendor		#####	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-3310-000##	Unit: LIGHTING PLAN TRANSFORMER YARD AREA	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-7110-000##	Unit: LIGHTING PLAN WATER TREATMENT AT GRADE	Bechtel		Jun-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-7210-000##	Unit: LIGHTING PLAN ACC AREA AT GRADE	Bechtel		#####	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-7220-000##	Unit: LIGHTING PLAN ACC UPPER ELEVATIONS	Bechtel		#####	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-EL-7290-000##	Unit: LIGHTING PLAN ACC STAIRWAY	Bechtel		#####	
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1010-00001	LIGHTING PLAN SRSG STRUCTURE GRADE PLAN AT EL 2895-0 120-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1020-00001	LIGHTING PLAN SRSG STRUCTURE PLAN AT EL 2895-0 120-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1030-00001	LIGHTING PLAN SRSG STRUCTURE PLAN AT EL 2915-0 140-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1040-00001	LIGHTING PLAN SRSG STRUCTURE PLAN AT EL 2895-0 180-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1055-00001	5 (289-0), 3115-0 (327-0)	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1060-00001	5 (415-0), 3205-0 (427-0)	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1070-00001	(860-7), EL 3251-3 (472-3)	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1080-00001	5 (284-0), EL 3315-5 (536-5)	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1090-00001	5) TO 3206-0 (427-0)	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1100-00001	OBSTRUCTION LIGHTING SRSG TOWER EL 100-0 TO EL 559-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1100-00002	EL 561-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1100-00003	OBSTRUCTION LIGHTING SRSG TOWER, PARTIAL PLAN, EL 395-6 AND DETAILS	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1110-00001	LIGHTING PLAN SRSG TOWER PLAN EL 3330-0 (551-0)	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-1910-00001	LIGHTING PLAN AUXILIARY BOILER AREA PLAN AT EL 2879-0 (100-0)	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-2110-00001	1030-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-2120-00001	LIGHTING PLAN TURBINE AND HEATER BAY AREA PLAN EL 2995-8 (111-8)	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-2130-00001	LIGHTING PLAN TURBINE AND HEATER BAY AREA PLAN AT EL 2905-0 (126-0)	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-2140-00001	LIGHTING PLAN TURBINE AND HEATER BAY AREA PLAN AT EL 2919-0 (140-0)	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-00-00011	208/120VAC PANEL BOARD SCHEDULE	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-00-00012	208/120VAC PANEL BOARD SCHEDULE	Bechtel			Y
ELEC-1		Approval	Electrical	Calculation	25542-000-EL-CL-01-00010	LUBE OIL TURBINE AND HEATER BAY AREA LIGHTING CALCULATION	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-3101-00001	LIGHTING PLAN PLANT SERVICES BUILDING CABLE PIT	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-3910-00001	LIGHTING PLAN STATION SERVICE TRANSFORMER AREA PLAN AT EL 2879-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-3710-00001	LIGHTING PLAN SWITCHYARD AND PSB AREA AT GRADE	BB			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-7110-00001	LIGHTING PLAN WATER TREATMENT AREA PLAN AT GRADE	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EL-7210-00001	LIGHTING PLAN AIR COOLED CONDENSER AREA PLAN AT GRADE	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EL-7210-00002	LIGHTING PLAN AIR COOLED CONDENSER AREA PLAN AT GRADE	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EL-7220-00001	LIGHTING PLAN AIR COOLED CONDENSER AREA PLAN AT UPPER DECK	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EL-9010-00001	LIGHTING PLAN DRAIN TANK AREA PLAN AT EL 2879-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EL-9010-00002	POWER BLOCK AREA CONSTRUCTION ROADWAY LIGHTING PLAN	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EL-9010-00003	POWER BLOCK AREA ROADWAY LIGHTING PLAN	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EL-9010-00001	CONSTRUCTION ROADWAY LIGHTING KEY PLAN	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EL-9010-00002	CONSTRUCTION FACILITIES TEMPORARY LIGHTING PLAN COMMON AREA	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EL-9010-00003	ADMIN BUILDING AREA CONSTRUCTION ROADWAY LIGHTING PLAN	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EL-9010-00005	ADMIN BUILDING AREA ROADWAY LIGHTING PLAN	Bechtel			Y
VIS-4	NA	Approval	Electrical	Drawing	25542-009-EL-0010-000##	Hs, Gate)	Bechtel		#####	Y
VIS-4	NA	Approval	Electrical	Drawing	25542-009-EL-0010-000##	Common: COMMON AREA ROADWAY LIGHTING PLAN	Bechtel		Sep-	Y
VIS-4	NA	Approval	Electrical	Drawing	25542-009-EL-0010-000##	Common: COMMON AREA CONSTRUCTION LIGHTING PLAN	Bechtel		Aug-	Y
VIS-4	NA	Approval	Electrical	Drawing	25542-009-VIA-AKBS-000##	Common: LIGHTING RACEWAY PLAN ADMIN BLDG & CENTRAL CONTROL ROOM	Vendor		#####	
VIS-4	NA	Approval	Electrical	Drawing	25542-009-EL-9111-000##	Common: LIGHTING PLAN HELIOSTAT BUILDING	Bechtel		Jan-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-009-EL-9111-000##	TRANSFORMER)	Bechtel		Jan-11	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-VIA-EK13-00004	Unit: LIGHTING PLAN SRSG ELECTRICAL EQUIPMENT MODULE	Vendor		#####	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-VIA-EK13-00002	Unit: LIGHTING PLAN STEAM TURBINE ELECTRICAL EQUIPMENT MODULE	Vendor		#####	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-VIA-EK13-00001	Unit: LIGHTING PLAN WATER TREATMENT ELECTRICAL EQUIPMENT MODULE	Vendor		#####	
VIS-4	NA	Approval	Electrical	Drawing	25542-000-VIA-EK13-00003	Unit: LIGHTING PLAN ACC ELECTRICAL EQUIPMENT MODULE	Vendor		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EL-1010-000##	UNIT 1: HEAT TRACE PLAN SRSG TOWER PLAN EL. 100'-0"	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EL-1010-000##	UNIT 2/3 UNIT: HEAT TRACE PLAN SRSG TOWER PLAN EL. 100'-0"	Bechtel		#####	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1020-000##	UNIT: UNIT: HEAT TRACE PLAN SRSG TOWER PLAN EL. 120'-0"	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1025-00001	UNIT 2/3 UNIT: HEAT TRACE PLAN SRSG TOWER PLAN EL. 120'-0"	Bechtel		#####	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1030-000##	UNIT: UNIT: HEAT TRACE PLAN SRSG TOWER PLAN EL. 140'-0"	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1030-00001	UNIT 2/3 UNIT: HEAT TRACE PLAN SRSG TOWER PLAN EL. 140'-0"	Bechtel		#####	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1040-000##	UNIT: UNIT: HEAT TRACE PLAN SRSG TOWER PLAN EL. 180'-0"	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1050-000##	UNIT: UNIT: HEAT TRACE PLAN SRSG TOWER PLAN EL. 376'-0" AND EL. 415'-0"	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1090-000##	UNIT: MISCELLANEOUS HEAT TRACING BOILER STRUCTURE AREA	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1110-000##	UNIT: HEAT TRACING PLAN SRSG STRUCTURE ELEVATION - 1	Vendor		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1120-000##	UNIT: HEAT TRACING PLAN SRSG STRUCTURE ELEVATION - 2	Vendor		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1130-000##	UNIT: HEAT TRACING PLAN SRSG STRUCTURE ELEVATION - 3	Vendor		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1140-000##	UNIT: HEAT TRACING PLAN SRSG STRUCTURE ELEVATION - 4	Vendor		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1150-000##	UNIT: HEAT TRACING PLAN SRSG STRUCTURE ELEVATION - 5	Vendor		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1910-000##	UNIT: HEAT TRACING PLAN AUXILIARY BOILER AREA AT GRADE	Bechtel		Apr-12	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-1990-000##	UNIT: HEAT TRACING PLAN AUXILIARY BOILER AREA ELEVATION & SECTIONS	Bechtel		Apr-12	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-2110-000##	UNIT 1: HEAT TRACING PLAN TURBINE AREA PLAN EL 100'-0" AND EL. 111'-8"	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EH-2120-000##	UNIT 1: HEAT TRACING PLAN TURBINE AREA PLAN EL 126'-0"	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EH-2130-000##	UNIT 1: HEAT TRACING PLAN TURBINE AREA PLAN 138'-3"	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EH-2190-000##	UNIT 1: HEAT TRACING SECTIONS AND DETAILS	Bechtel		#####	
ELEC-1		Approval	Electrical	Drawing	25542-002-EH-2115-00001	ELECTRICAL HEAT TRACING PLAN UNIT 2 TURBINE AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-EH-2210-00001	ELECTRICAL HEAT TRACING PLAN UNIT 2 HEATER BAY AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-EH-EH400-00003	HEAT TRACER SCHEDULE UNIT 2 HEATER BAY AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EC-EH400-00003	HEAT TRACE PANEL BOARD SCHEDULE UNIT 3 HEATER BAY AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EH-2210-00001	ELECTRICAL HEAT TRACING PLAN UNIT 3 TURBINE AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EH-2215-00001	ELECTRICAL HEAT TRACING PLAN UNIT 3 HEATER BAY AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EH-EH400-00003	HEAT TRACER SCHEDULE UNIT 3 HEATER BAY AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-EC-EH400-00001	HEAT TRACE PANEL BOARD SCHEDULE UNIT 2 SRSG AREA RPI SCOPE	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-EH-1115-00001	ELECTRICAL HEAT TRACING PLAN UNIT 2 SRSG AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EH-1120-00001	ELECTRICAL HEAT TRACING PLAN UNIT 2 SRSG AREA	Bechtel			Y



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
ELEC-1		Approval	Electrical	Drawing	25542-002-EH-1130-00001	ELECTRICAL HEAT TRACING PLAN UNIT 2 SRSG AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-EH-1140-00001	ELECTRICAL HEAT TRACING PLAN UNIT 2 SRSG AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-EH-1150-00001	ELECTRICAL HEAT TRACING PLAN UNIT 2 SRSG AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-EH-1160-00001	ELECTRICAL HEAT TRACING PLAN UNIT 2 SRSG AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-EH-1110-00001	ELECTRICAL HEAT TRACING PLAN UNIT 2 WATER TREATMENT AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-EH-EH00-00008	HEAT TRACER SCHEDULE UNIT 2 WATER TREATMENT AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EC-EH00-00008	HEAT TRACE PANEL BOARD SCHEDULE UNIT 3 WATER TREATMENT AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EH-7110-00001	ELECTRICAL HEAT TRACING PLAN UNIT 3 WATER TREATMENT AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EH-EH00-00008	HEAT TRACER SCHEDULE UNIT 3 WATER TREATMENT AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-EC-EH00-00010	HEAT TRACE PANEL BOARD SCHEDULE UNIT 2 AIR COOLED CONDENSER AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-EH-7210-00001	ELECTRICAL HEAT TRACING PLAN UNIT 2 ACC AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-EH-EH00-00010	HEAT TRACER SCHEDULE UNIT 2 AIR COOLED CONDENSER AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EC-EH00-00010	HEAT TRACE PANEL BOARD SCHEDULE UNIT 3 AIR COOLED CONDENSER AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EH-7210-00001	ELECTRICAL HEAT TRACING PLAN UNIT 3 ACC AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EH-EH00-00010	HEAT TRACER SCHEDULE UNIT 3 AIR COOLED CONDENSER AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-EC-EH00-00011	HEAT TRACE PANEL BOARD SCHEDULE UNIT 2 DRAIN TANK AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-EH-1910-00001	ELECTRICAL HEAT TRACING PLAN UNIT 2 - AUXILIARY BOILER AREA PLAN	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-EH-9010-00001	ELECTRICAL HEAT TRACING PLAN UNIT 2 DRAIN TANK AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-EH-EH00-00011	HEAT TRACER SCHEDULE UNIT 2 DRAIN TANK AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EC-EH00-00011	HEAT TRACE PANEL BOARD SCHEDULE UNIT 3 DRAIN TANK AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EH-1910-00001	ELECTRICAL HEAT TRACING PLAN UNIT 3 AUXILIARY BOILER AREA PLAN	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EH-9010-00001	ELECTRICAL HEAT TRACING PLAN UNIT 3 DRAIN TANK AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EH-EH00-00011	HEAT TRACER SCHEDULE UNIT 3 DRAIN TANK AREA	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-2110-000##	UNIT 2/3: HEAT TRACING PLAN TURBINE AREA PLAN EL 100'-0" AND EL. 113'-8"	Bechtel		####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-2120-000##	UNIT 2/3: HEAT TRACING PLAN TURBINE AREA PLAN EL 126'-0"	Bechtel		####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-2130-000##	UNIT 2/3: HEAT TRACING PLAN TURBINE AREA PLAN 138'-3"	Bechtel		####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-2190-000##	UNIT 2/3: HEAT TRACING SECTIONS AND DETAILS	Bechtel		####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-7110-000##	UNIT: HEAT TRACING PLAN WATER TREATMENT AT GRADE	Bechtel		Apr-12	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-7190-000##	UNIT: HEAT TRACING PLAN WATER TREATMENT ELEVATIONS & SECTIONS	Bechtel		Apr-12	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-7210-000##	UNIT: HEAT TRACING PLAN ACC AREA AT GRADE	Bechtel		Apr-12	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-7220-000##	UNIT: HEAT TRACING PLAN ACC UPPER ELEVATIONS	Bechtel		Apr-12	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-7290-000##	UNIT: HEAT TRACING PLAN ACC ELEVATIONS & SECTIONS	Bechtel		Apr-12	
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EH-7610-000##	Common: HEAT TRACE PLAN COMMON AREA WATER STORAGE FACILITIES	Bechtel		Oct-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-EH00-00001	Unit: Water Treatment Area Tracer Schedule	Bechtel		####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-EH00-00001	Unit 2/3: STG Area Tracer Schedule	Bechtel		Oct-11	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-EH00-00002	Unit 2: STG Area Tracer Schedule	Bechtel		####	Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EH-EH00-00003	Unit 2/3: Tower Area Tracer Schedule	Bechtel		####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-EH00-00003	Unit: Tower Area Tracer Schedule	Bechtel		Oct-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-EH00-00004	Unit: SRSG Area Tracer Schedule	Bechtel		Oct-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-EH00-00005	Unit: ACC Area Tracer Schedule	Bechtel		####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EH-EH00-00006	Unit: Aux Boiler Area Tracer Schedule	Bechtel		Oct-11	
ELEC-1		Approval	Electrical	Drawing	25542-003-EH-1010-00001	ELECTRICAL HEAT TRACE PLAN UNIT 3 SRSG TOWER AREA PLAN EL 2069'-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EH-1020-00001	ELECTRICAL HEAT TRACE PLAN UNIT 3 SRSG TOWER AREA PLAN EL 2049'-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EH-1030-00001	ELECTRICAL HEAT TRACE PLAN UNIT 3 SRSG TOWER AREA PLAN EL 2069'-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EH-1110-00001	ELECTRICAL HEAT TRACING PLAN UNIT 3 SRSG AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EH-1120-00001	ELECTRICAL HEAT TRACING PLAN UNIT 3 SRSG AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EH-1130-00001	ELECTRICAL HEAT TRACING PLAN UNIT 3 SRSG AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EH-1140-00001	ELECTRICAL HEAT TRACING PLAN UNIT 3 SRSG AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EH-1150-00001	ELECTRICAL HEAT TRACING PLAN UNIT 3 SRSG AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EH-1160-00001	ELECTRICAL HEAT TRACING PLAN UNIT 3 SRSG AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EC-EH00-00001	120VAC HEAT TRACE PANEL BOARD SCHEDULE UNIT 3 SRSG AREA RPI SCOPE	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EC-EH00-00002	ELECTRICAL HEAT TRACE PANEL BOARD SCHEDULE UNIT 3 SRSG TOWER AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EH-EH00-00001	HEAT TRACER SCHEDULE SRSG AREA UNIT 2	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-003-EH-EH00-00002	HEAT TRACER SCHEDULE SRSG TOWER AREA UNIT 3	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EH-EH01-00001	Common Area Tracer Schedule	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E3-1910-00001	Area Classification Plan Auxiliary Boiler and Fuel Gas Heater Areas	Bechtel		####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-E3-1990-00001	Area Classification Sections and Details Auxiliary Boiler and Fuel Gas Heater Areas	Bechtel		####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - Water Treatment Area	Bechtel		####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - STG Area	Bechtel		####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EC-EL00-000##	Unit: 2/3 208-120V AC Lighting Panel Schedule - STG Area	Bechtel		####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EC-EL00-000##	Common: 208-120V AC Lighting Panel Schedule - HelioStat Building Area	Bechtel		Jan-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - PSB Building Area	Bechtel		Jan-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - Tower Area	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - SRSG Area	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - ACC Area	Bechtel		####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - Aux Boiler Area	Bechtel		####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-000##	Unit: 208-120V AC Lighting Panel Schedule - Road Lighting	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EH00-000##	Unit: Water Treatment Area Heat Trace Panel Schedule	Bechtel		####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EC-EH00-000##	Unit 1: STG Area Heat Trace Panel Schedule	Bechtel		####	
ELEC-1	NA	REFERENCE	Electrical	Drawing	25542-002-EC-EH00-00002	Unit 2/3: STG Area Heat Trace Panel Schedule	Bechtel		####	Y
ELEC-1		Approval	Electrical	Drawing	25542-002-EC-EH00-00002	HEAT TRACE PANEL BOARD SCHEDULE UNIT 2 HEATER BAY AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-002-EC-EH00-00008	HEAT TRACE PANEL BOARD SCHEDULE UNIT 2 WATER TREATMENT AREA	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-001-EC-EH00-000##	Unit: Tower Area Heat Trace Panel Schedule	Bechtel		Oct-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-002-EC-EH00-000##	Unit 2/3: Tower Area Heat Trace Panel Schedule	Bechtel		####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EH00-000##	Unit: SRSG Area Heat Trace Panel Schedule	Bechtel		Oct-11	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EH00-000##	Unit: ACC Area Heat Trace Panel Schedule	Bechtel		####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EH00-000##	Unit: Aux Boiler Area Heat Trace Panel Schedule	Bechtel		Oct-11	
ELEC-1		Approval	Electrical	Drawing	25542-001-EC-EH00-00001	120V AC HEAT TRACE PANELBOARD SCHEDULE UNIT 1 SRSG AREA (RPI SCOPE)	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-EC-EH00-00002	HEAT TRACE PANEL BOARD SCHEDULE UNIT 1 SRSG TOWER AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-EC-EH00-00003	HEAT TRACE PANEL BOARD SCHEDULE UNIT 1 HEATER BAY AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-EC-EH00-00008	711	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-EC-EH00-00010	208/120V AC HEAT TRACE PANEL BOARD SCHEDULE ACC AREA 1-EH-EP-721	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-EC-EH00-00011	EH-EP-722	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-EL00-00001	208/120V AC LIGHTING PANELBOARD SCHEDULE SRSG STRUCTURE 1-EL-EP-101	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-EL00-00002	208/120V AC LIGHTING PANELBOARD SCHEDULE SRSG STRUCTURE 1-EL-EP-102	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-EL00-00003	208/120V AC LIGHTING PANELBOARD SCHEDULE SRSG STRUCTURE 1-EL-EP-103	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-EL00-00004	208/120V AC LIGHTING PANELBOARD SCHEDULE SRSG STRUCTURE 1-EL-EP-104	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-EL00-00005	EP-101	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EC-EL00-00021	480-208 120VAC LIGHTING PANELBOARD SCHEDULE	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-EL00-00031	208-120 VAC LIGHTING PANELBOARD SCHEDULE	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-000-EC-PA-00012	COMMON AREA MDPY GROUP DISTRIBUTION BOARD SCHEDULE	Bechtel			Y



Ivanpah Solar Electric Generating Facility
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Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/ Vendor/ Owner	Remarks	Fore cast Date	CBO Approved
ELEC-1		Approval	Electrical	Drawing	25542-009-EC-EC-00001	ADMIN BUILDING MCC 208/120V AC PANELBOARD SCHEDULE	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-009-EC-EL-00-00001	208/120V AC LIGHTING PANELBOARD SCHEDULE COMMON AREA LP-7A	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-009-EZ-3510-00001	115KV SWITCHYARD GA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-009-EZ-3590-00001	115KV SWITCHYARD SECTIONS AND DETAILS	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-009-EZ-3590-00002	115KV SWITCHYARD ELECTRICAL HARDWARE DETAILS	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-EH-1010-00001	ELECTRICAL HEAT TRACE PLAN SRSG TOWER AREA PLAN EL 2879-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-EH-1020-00001	ELECTRICAL HEAT TRACE PLAN SRSG TOWER AREA PLAN EL 2899-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-EH-1030-00001	ELECTRICAL HEAT TRACE PLAN SRSG TOWER AREA PLAN EL 2919-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-EH-1110-00001	ELECTRICAL HEAT TRACING PLAN SRSG AREA EL 3194-0 AND 3218-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-EH-1120-00001	ELECTRICAL HEAT TRACING PLAN SRSG AREA EL 3230-3 AND 3239-7	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-EH-1130-00001	ELECTRICAL HEAT TRACING PLAN SRSG AREA EL 3251-3 TO 3270-8	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-EH-1140-00001	ELECTRICAL HEAT TRACING PLAN SRSG AREA EL 3279-10	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-EH-1180-00001	ELECTRICAL HEAT TRACING PLAN SRSG AREA EL 3329-8	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-EH-1180-00001	ELECTRICAL HEAT TRACING PLAN SRSG AREA EL 316-5 AND 3330-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-EH-1910-00001	ELECTRICAL HEAT TRACE PLAN UNIT 1 AUX BOILER AREA PLAN EL 2879-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-EH-2110-00001	ELECTRICAL HEAT TRACE PLAN UNIT 1 TURBINE AREA EL 2890-8	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-EH-2210-00001	ELECTRICAL HEAT TRACE PLAN UNIT 1 HEATER BAY AREA PLAN EL 2879-0	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-EH-7110-00001	UNIT 1 ELECTRICAL HEAT TRACING PLAN WATER TREATMENT AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-EH-7210-00001	ELECTRICAL HEAT TRACING PLAN UNIT 1 ACC AREA EL 2879-0 AND ABOVE	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-EH-8010-00001	ABOVE	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-EH-EH00-00009	HEAT TRACER SCHEDULE UNIT 1 WT AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-EH-EH00-00001	120V AC HEAT TRACE PANELBOARD SCHEDULE UNIT 1 SRSG AREA (RPI SCOPE)	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-EH-EH00-00002	HEAT TRACER SCHEDULE SRSG TOWER AREA UNIT 1	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-EH-EH00-00003	HEAT TRACER SCHEDULE UNIT 1 HEATER BAY AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-EH-EH00-00010	HEAT TRACER SCHEDULE ACC AREA UNIT 1	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-001-EH-EH00-00011	HEAT TRACER SCHEDULE DRAIN TANK AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-009-EH-0010-00001	AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Drawing	25542-009-EH-EH00-00001	WATER STORAGE AREA	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EZ-3590-00001	33KV TRANSMISSION LINE 33KV AUTO RECLOSER POLE NO 3	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EZ-3590-00002	33KV TRANSMISSION LINE 33KV AUTO RECLOSER POLES NO 1,2,4 & 5	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EZ-3590-00003	33KV HARDWARE DETAILS	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EZ-3590-00004	33KV HARDWARE DETAILS	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-009-EC-EH00-0000#	Common: Water Storage Area Heat Trace Panel Schedule	Bechtel		Jan-12	
ELEC-1		Approval	Electrical	Drawing	25542-009-EC-EH00-00001	WATER STORAGE AREA 9-EH-EP-001	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-E3C-ES-000#	Unit: Load Flow / Short Circuit and Motor Starting and voltage drop Calculation,	Bechtel		10 A	N
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-E3C-ES-000#	33kV System Load Flow / Short Circuit and Motor Starting and voltage drop Calculation,	Bechtel		Nov-	N
ELEC-1	NA	Approval	Electrical	Calculation	25542-001-E3C-E3G-00001	ANDURS POWER	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-001-EGC-EG-00001	Unit 1 Grounding Calculation	Bechtel		Feb-	Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-002-EGC-EG-00001	Unit 2 Grounding Calculation	Bechtel		#####	Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-003-EGC-EG-00001	Unit 3 Grounding Calculation	Bechtel		#####	Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-E0C-EQ-00001	STORAGE AREA GROUNDING (GRD) CALCULATION	Bechtel		11 A	Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-E0C-EQ-00002	WELCHSTAT ASSEMBLY BUILDING AREA GROUNDING (GRD) CALCULATION	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-EGC-EG-00002	Unit and Common: Lightning Protection Calculation	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-E0C-EQ-00001	Unit 1: Cathodic Protection Calculation	Bechtel		#####	Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-E0C-EQ-00001	Unit 2: Cathodic Protection Calculation	Bechtel		#####	Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-E0C-EQ-00001	Unit 3: Cathodic Protection Calculation	Bechtel		Jan-12	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-E0C-EQ-00001	Natural Gas Pipeline Cathodic Protection Calculation	Bechtel		Aug-	Y
ELEC-1	G	Approval	Electrical	Calculation	25542-000-E0C-EW-00002	Unit: Ductbank Ampacity & Underground cable sizing calculation	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Calculation	25542-000-E0C-EW-00001	Common: Ductbank Ampacity & Underground cable sizing calculation	Bechtel		#####	
ELEC-1	G	Approval	Electrical	Calculation	25542-000-E0C-EW-00001	A/G Cable Sizing Calculation	Bechtel		10 A	Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-001-E0C-EW-00001	Unit 1/2/3 : CPDU Heliostat field incomer cable sizing and voltage drop calculation	Bechtel		#####	Y
ELEC-1		Approval	Electrical	Calculation	25542-000-E0C-EW-00002	CALCULATION	Bechtel			Y
ELEC-1		Approval	Electrical	Calculation	25542-000-E0C-EW-00003	120VAC AND 208VAC CABLE SIZING CALCULATION	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-E0C-EQ-00001	UNIT 1, 2, AND 3 POWER BLOCK AREA	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-EL-EL-0000-00001	NOTES, SYMBOLS AND DETAILS FOR INSTALLATION OF LIGHTING SYSTEM	Bechtel			Y
ELEC-1		Approval	Electrical	Calculation	25542-000-ELC-EL-00003	EL 2879-0	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-00004	ACC AREA LIGHTING CALCULATION (GRADE AND UPPER DECK)	Bechtel			Y
ELEC-1		Approval	Electrical	Calculation	25542-000-ELC-EL-00005	WATER TREATMENT AREA LIGHTING CALCULATION	Bechtel			Y
ELEC-1		Approval	Electrical	Calculation	25542-000-ELC-EL-00007	LIGHTING CALC FOR SRSG AREA GRADE AND STRUCTURE	Bechtel			Y
ELEC-1		Approval	Electrical	Calculation	25542-000-ELC-EL-00008	LIGHTING CALCULATION FOR SRSG TOWER	Bechtel			Y
ELEC-1		Approval	Electrical	Calculation	25542-000-ELC-EL-00009	LIGHTING CALCULATION FOR DRAIN TANK AREA AT GRADE AND AT DRAIN PIT	Bechtel			Y
ELEC-1		Approval	Electrical	Calculation	25542-000-ELC-EL-00011	LIGHTING CALCULATIONS AUXILIARY BOILER AREA	Bechtel			Y
ELEC-1		Approval	Electrical	Calculation	25542-000-ELC-EL-00012	UNIT 3 CABLE PIT LIGHTING CALCULATION	Bechtel			Y
ELEC-1		Approval	Electrical	Calculation	25542-000-ELC-EL-00013	LIGHTING CALC FOR STEAM AND DEBRIS WATER ANALYSIS SYSTEM SHELTER	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000#	Unit: Lighting Calculation Construction Lighting Common Area	Bechtel		Aug-	Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000#	Unit: Lighting Calculation Construction Lighting Power Block	Bechtel		Aug-	Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000#	Unit: Lighting Calculation ACC Area	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000#	Unit: Lighting Calculation XFMR Area	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000#	Unit: Lighting Calculation Water Treatment Area	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000#	Unit: Lighting Calculation STG Area	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000#	Unit: Lighting Calculation PSB Building Area	Bechtel		Jan-11	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000#	Unit: Lighting Calculation Tower Area	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000#	Unit: Lighting Calculation SRSG Area	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000#	Unit: Lighting Calculation Aux Boiler Area	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000#	Unit: Lighting Calculation Unit Roadway Lighting	Bechtel		Jun-11	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000#	Lighting Calculation Common Area Roadway Lighting Plan	Bechtel		Sep-	Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000#	Lighting Calculation Heliostat Building Area	Vendor		Jan-11	Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-000#	Unit and Common: Lighting Energy Calculations (for CBO)	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-00006	SWITCHYARD AND PSB AREA LIGHTING CALCULATION	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-001-ELC-EL-00001	POWER BLOCK AREA CONSTRUCTION ROADWAY LIGHTING CALCULATION	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-00001	ADMIN BUILDING AREA CONSTRUCTION ROADWAY LIGHTING CALCULATION	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-ELC-EL-00002	CALCULATION	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-EMC-EM00-000#	Unit: MV Switchgear and LV MCC incomer protective relay setting and arc flash calculation	Bechtel		09 A	
ELEC-1	NA	Approval	Electrical	Calculation	25542-009-EMC-EM00-000#	calculation	Bechtel		#####	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-EMC-EM00-000#	Unit: GSU, UAT, SST protective relay setting calculation	Bechtel		#####	
ELEC-1		Approval	Electrical	Calculation	25542-000-EMC-EM-00001	UNIT EMERGENCY DIESEL GENERATOR PROTECTION CALCULATION	Bechtel			Y
ELEC-1		Approval	Electrical	Calculation	25542-000-EMC-EM00-00001	4.18KV SWITCHGEAR ARC FLASH CALCULATION	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-EMC-EM00-00002	33KV Switchgear and automatic breaker protective relay setting calculation	Bechtel		11 A	Y
ELEC-1		Approval	Electrical	Calculation	25542-000-EMC-EM00-00003	FLASH CALCULATION	Bechtel			Y
ELEC-1		Approval	Electrical	Calculation	25542-000-EMC-EM00-00004	4.18 kV FEEEDER AND 480V MOTOR PROTECTION RELAY SETTINGS CALC	Bechtel			Y
ELEC-1		Approval	Electrical	Calculation	25542-000-EMC-EM00-00001	STATION SERVICE TRANSFORMER RELAY SETTINGS CALCULATION	Bechtel			Y



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

Condition of Certification	GEN-2 Tbl. 2 (G) & TSE-1 Tbl. 1 (T)	Submittal Reason - "Approval" or "Reference"	Responsible Discipline	Document Type	Document Number	Title	Bechtel/Vendor/Owner	Remarks	Forecast Date	CBO Approved
ELEC-1		Approval	Electrical	Calculation	25542-000-EMC-EY-00001	800V DAT AND UNIT DIFFERENTIAL PROTECTION RELAY SETTINGS CALCULATION	Bechtel			Y
ELEC-1		Approval	Electrical	Calculation	25542-000-EMC-EZ-00001	115KV SOC INTERCONNECTION PROTECTION RELAYS SETTING CALCULATION	Bechtel			Y
ELEC-1		Approval	Electrical	Calculation	25542-000-EMC-FM00-00001	BREAKER PROTECTIVE RELAY SETTING AND ARC FLASH CALCULATION	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Specification	25542-000-3PS-EBB3-00001	TECHNICAL SPEC FOR ISOLATED PHASE BUS AND ACCESSORIES	Bechtel			Y
ELEC-1		Approval	Electrical	Specification	25542-000-3PS-FCM1-00001	TECHNICAL SPEC FOR 480V MCC	Bechtel			Y
ELEC-1		Approval	Electrical	Specification	25542-000-3PS-FH00-00001	TECHNICAL SPEC FOR ELECTRICAL HEAT TRACING	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Specification	25542-000-3PS-FML3-00001	ELECTRICAL EQUIPMENT MODULES	Bechtel			Y
ELEC-1		Approval	Electrical	Specification	25542-000-3PS-FMP6-00001	TECHNICAL SPEC FOR PROTECTION RELAY PANELS	Bechtel			Y
ELEC-1		Approval	Electrical	Specification	25542-000-3PS-FSM1-00001	METAL ENCLOSED MOTOR CONTROLLERS	Bechtel			Y
ELEC-1	NA	Approval	Electrical	Specification	25542-000-3PS-FSM1-00002	33KV PAD MOUNTED SWITCHGEAR	Bechtel			Y
ELEC-1		Approval	Electrical	Specification	25542-000-3PS-ETP1-00002	TECHNICAL SPEC FOR STATION SERVICE TRANSFORMERS	Bechtel			Y
ELEC-1		Approval	Electrical	Specification	25542-000-3PS-ETP2-00002	TRANSFORMER FOR MCC	Bechtel			Y
ELEC-1		Approval	Electrical	Specification	25542-000-3PS-EU00-00001	SUPPLY SYSTEMS	Bechtel			Y
ELEC-1		Approval	Electrical	Specification	25542-000-3PS-EWE1-00001	INSTRUMENTATION CABLE - THERMOCOUPLE EXTENSION WIRE - SPECIALTY	Bechtel			Y
ELEC-1		Approval	Electrical	Specification	25542-000-3PS-EW01-00002	TECHNICAL SPEC FOR 80V MEDIUM VOLTAGE POWER CABLE	Bechtel			Y
ELEC-1	G	Approval	Electrical	Specification	25542-000-3PS-SY10-00001	DESIGN, FABRICATION AND SUPPLY OF TUNED MASS DAMPER	Bechtel			Y
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00016	PAD BOND BUILDING AND HELIOSTAT ASSEMBLY BUILDING - PANEL SCHEDULES	Vendor			Y
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00017	PAD BOND BUILDING AND HELIOSTAT ASSEMBLY BUILDING - PANEL SCHEDULES	Vendor			Y
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00017	LEGEND	Vendor			Y
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00018	ELECTRICAL PLANS PAD BONDING BUILDINGS	Vendor			Y
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00018	ELECTRICAL PLANS HELIOSTAT ASSEMBLY BUILDING - AREA A	Vendor			Y
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00018	ELECTRICAL PLANS HELIOSTAT ASSEMBLY BUILDING - AREA B	Vendor			Y
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00081	CABLING - WIRE DATA SHEETS	Vendor			Y
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00082	CABLING - WIRE DATA SHEETS	Vendor			Y
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00082	CABLING - WIRE DATA SHEETS	Vendor			Y
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00084	ELECTRIC PANEL BOARD DATA SHEETS	Vendor			Y
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00085	COOPER LIGHTING	Vendor			Y
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00086	COOPER LIGHTING	Vendor			Y
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00087	COOPER LIGHTING	Vendor			Y
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00088	LIGHTING CALCULATIONS - PAD BUILDINGS 1 AND 2	Vendor			Y
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00088	LIGHTING CALCULATIONS - HELIOSTAT ASSEMBLY BUILDING - AREA A	Vendor			Y
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00087	LIGHTING CALCULATIONS - HELIOSTAT ASSEMBLY BUILDING - AREA B	Vendor			Y
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00088	ONE-LINE DIAGRAM AND DETAILS	Vendor			Y
ELEC-1	NA	NOT ENFORCE	Electrical		25542-000-V1B-AK00-00111	ELECTRICAL DETAILS	Vendor			Y
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00112	ELECTRICAL DETAILS	Vendor			Y
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00113	ELECTRICAL RACEWAY SUPPORT DETAILS	Vendor			Y
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00216	LIGHTING PROTECTION PLAN - PAD BOND BUILDINGS 1 AND 2	Vendor			Y
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00217	LIGHTING PROTECTION PLAN - HELIOSTAT BUILDING - AREA A	Vendor			Y
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00218	LIGHTING PROTECTION PLAN - HELIOSTAT BUILDING - AREA B	Vendor			Y
ELEC-1	NA	Approval	Electrical		25542-000-V1B-AK00-00218	HELIOSTAT ASSEMBLY BUILDING	Vendor			Y
ELEC-1	NA	Approval	Electrical	Document	25542-000-V1A-EKL1-000##	CERTIFICATE OF COMPLIANCE - 480V UNIT SUBSTATIONS (BLACK BOX)	Bechtel/Vendor		####	
ELEC-1	NA	Approval	Electrical	Document	25542-000-V1A-ESL1-000##	CERTIFICATE OF COMPLIANCE - 4.16KV SWITCHGEAR (BLACK BOX)	Bechtel/Vendor		Jul-11	
ELEC-1	G	Approval	Electrical	Document	25542-000-V1A-ETP0-000##	BOX	Bechtel/Vendor		####	
ELEC-1	G	Approval	Electrical	Document	25542-000-V1A-ETP1-000##	CERTIFICATE OF COMPLIANCE - UNIT AUXILIARY (BLACK BOX)	Bechtel/Vendor		####	
ELEC-1	NA	Approval	Electrical	Document	25542-000-V1A-ECM1-000##	CERTIFICATE OF COMPLIANCE - 480V MCC'S (BLACK BOX)	Bechtel/Vendor		Jun-11	
ELEC-1	NA	Approval	Electrical	Document	25542-000-V1A-EDB0-000##	CERTIFICATE OF COMPLIANCE - 120/125V DC/UPS EQUIPMENT (BLACK BOX)	Bechtel/Vendor		####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-000##	CPDU SINGLE LINE DIAGRAM	Owner		####	
ELEC-1	NA	Approval	Electrical	Calculation	25542-000-V1A-MXHS-000##	HELIOSTAT FIELD CABLE VOLTAGE DROP CALCULATION	Owner		####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-000##	HELIOSTAT CABLE ASSEMBLY (including code analysis)	Owner		####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-000##	HELIOSTAT CABLE INSTALLATION DETAILS	Owner		####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-000##	HELIOSTAT CPDU GROUNDING	Owner		####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-000##	CAMERA PANEL SINGLE LINE	Owner		####	
ELEC-1	NA	Approval	Electrical	Drawing	25542-000-V1A-MXHS-000##	WEATHER STATION SINGLE LINE	Owner		####	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-MXHS-000##	HELIOSTAT STRUCTURAL / PHYSICAL ASSEMBLY DESIGN DRAWINGS	Owner	pylon design package	####	
STRUC-1	NA	Approval	Civil	Calculation	25542-000-V1A-MXHS-000##	HELIOSTAT STRUCTURAL / PHYSICAL ASSEMBLY DESIGN CALCULATIONS	Owner	pylon design package	####	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-MXHS-000##	PYLON STRUCTURAL DRAWINGS AND INSTALLATION SPECIFICATIONS	Owner	BLM and CPM is	####	
STRUC-1	NA	Approval	Civil	Calculation	25542-000-V1A-MXHS-000##	PYLON STRUCTURAL/GEOTECHNICAL CALCULATIONS	Owner	BLM and CPM is	####	
ELEC-1	NA	Approval	Electrical	Drawing		HELIOSTAT FIELD TRANSFORMER PAD GROUNDING	Bechtel		Oct-10	
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-AK00S-000##	etc.)	Bechtel		####	N
STRUC-1	NA	Approval	Civil	Drawing	25542-000-V1A-AK00S-000##	HELIOSTAT ASSEMBLY BUILDING STRUCTURAL HOIST/Crane SUPPORTS	Owner		####	
MECH-2	NA	Approval	Mechanical	Document	25542-000-V1A-AK00S-000##	HELIOSTAT ASSEMBLY BUILDING AIR COMPRESSOR CERTIFICATIONS	Owner		####	

Exhibit 11

CBO Payment Documentation Conditions of Certification GEN-3

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Payment from NRG

Month	Inv #	Shared Amount	Date Paid	Ivanpah 1	Ivanpah 2	Ivanpah 3
May	1230966	\$271,427.84	6/13/2014	\$86,856.91	\$92,285.47	\$92,285.46

Exhibit 12

Key Events List Conditions of Certification COMP-6

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KEY EVENTS LIST

Last Updated June 10, 2014

PROJECT/POWER PLANT: Ivanpah SEGS

DOCKET #: 07-AFC-5C

BLM'S AUTHORIZED OFFICER:

MIKE AHRENS

COMPLIANCE PROJECT MANAGER:

JOSEPH DOUGLAS

EVENT DESCRIPTION	DATE
Certification Date	09/22/2010
Obtain Site Control: ROW Grants Obtained	10/07/2010
Online Date (Actual)	12/30/2013
POWER PLANT SITE ACTIVITIES	
Start Site Mobilization	10/08/2010
Start Ground Disturbance	10/08/2010
Start Grading	11/11/2010
Start Construction (Heliostat Bldg)	03/02/2011
Begin Pouring Major Foundation Concrete (SRSG Foundation)	04/27/2011
Begin Installation of Major Equipment (SRSG Load Module 1)	11/22/2011
Completion of Installation of Major Equipment (Turnover SRSG)	08/13/2012
First Roll of Steam Turbine	11/19/2012
Obtain Building Occupancy Permit (Admin bldg)	03/31/2012
Start Commercial Operation Unit 1 (Actual)	1/11/2014
Complete All Construction (Pending completion of all punch list items)	5/31/2014
GENERATION TIE LINE ACTIVITIES	
Start Generation Tie Line Construction	3/12/2012
Synchronization with Grid and Interconnection	9/20/2013
Complete Generation Tie Line Construction	7/1/13
FUEL SUPPLY LINE ACTIVITIES	
Start Kern River Gas Pipeline Construction and Interconnection	07/30/12
Complete Gas Pipeline Construction	08/02/12
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 and Notifications Conditions of Certification COMP-6

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June 13, 2014

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 COMPLIANCE-6: Final Monthly Compliance Report
May 2014, Monthly Compliance Report No. 44

Dear Mr. Douglas,

Please find attached the Ivanpah Solar Electric Generating System's ("ISEGS") Final Monthly Compliance Report, Monthly Compliance Report Number 44 covering the month of May 2014. The template you provided was used as a basis for this report, along with the requirements included in Condition of Certification COMPLIANCE-6 of the California Energy Commission's ("Commission") Final Decision certifying ISEGS.

Condition of Certification COMPLIANCE-6 provides that the project owner shall submit Monthly Compliance Reports "[d]uring pre-construction and construction of each power plant." Thereafter, once "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." (ISEGS Final Decision, Condition of Certification COMPLIANCE-7.)

All three units have completed construction and started commercial operation. Construction is defined as "[o]n-site work to install permanent equipment or structures for any facility." (ISEGS Final Decision, p. 4.) Installation of all permanent equipment and structures for ISEGS was completed on May 31, 2014. Therefore, construction of ISEGS is complete.

For "compliance monitoring purposes", the start of commercial operations "begins after the completion of start-up and commissioning, when each of the power plants has reached reliable steady-state production of electricity at the rated capacity. At the start of commercial operation, plant control is usually transferred from the construction manager to the plant operations manager." (ISEGS Final Decision, p. 5.) Start-up and commissioning activities for ISEGS commenced in April 2013. ISEGS reached reliable steady-state production of electricity at the rated capacity and declared commercial operations under the power purchase agreement on January 10, 2014 for Unit 1, January 31, 2014 for Unit 2, and January 15, 2014 for Unit 3. Plant control of ISEGS was transferred from the construction manager to the plant operations manager on December 30, 2013 (Ivanpah #1) and December 31, 2013 (Ivanpah #2 and #3). Therefore, ISEGS has started commercial operations.

{00239745;4}

In accordance with Condition of Certification COMPLIANCE-7, the project owner proposes that the first Annual Compliance Report for the ISEGS be due on June 1, 2015, and every year thereafter, unless otherwise specified by the Bureau of Land Management's Authorized Officer and the Commission's Compliance Project Manager.

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

Sincerely,

Tim Fisk
Digitally signed by Tim Fisk
DN: cn=Tim Fisk, o=NRG Energy, Inc.,
ou=Engineering and Construction,
email=Tim.Fisk@nrgenergy.com, c=US
Date: 2014.06.13 09:54:04 -07'00'

Exhibit 14
MECH-1 & MECH-3 CBO Approvals
Conditions of Certification
MECH-1 & MECH-3

This page intentionally left blank

Rudy, Holly

From: susan.coddington-allen@us.bureauveritas.com
Sent: Thursday, May 01, 2014 7:01 PM
To: Fairhall, Christopher; Rudy, Holly; Frankert, Thomas; Ivanpah CBO; Smith, Shayne; hhuss@brightsourceenergy.com
Cc: steve.hermsmeyer@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; shamica.zenn@us.bureauveritas.com; barbara.tomajic@us.bureauveritas.com; aleta.sage@us.bureauveritas.com; sabrina.dickinson@us.bureauveritas.com
Subject: Ivanpah – MECH-1-2.01X6 - Piping and Instrument Diagrams - PC1 - Approved [*EXTERNAL*]

Follow Up Flag: Follow up
Flag Status: Completed

Hello,

The Ivanpah submittal, **MECH-1-2.01X6 - Piping and Instrument Diagrams - PC1**, has been reviewed and Approved. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,



Susan Coddington-Allen
CBO Project Coordinator– Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle #150
Sacramento, CA 95834
P: 916.514.4510
F: 916.617.2068
susan.coddington-allen@us.bureauveritas.com
www.us.bureauveritas.com/energyusa
ISO 9001:2008 Certified

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Rudy, Holly

From: susan.coddington-allen@us.bureauveritas.com
Sent: Friday, May 02, 2014 1:41 PM
To: Fairhall, Christopher; Rudy, Holly; Frankert, Thomas; Ivanpah CBO; Smith, Shayne; hhuss@brightsourceenergy.com
Cc: steve.hermsmeyer@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; shamica.zenn@us.bureauveritas.com; barbara.tomajic@us.bureauveritas.com; aleta.sage@us.bureauveritas.com; sabrina.dickinson@us.bureauveritas.com
Subject: Ivanpah – MECH-1-2.02X6 - Piping and Instrument Diagrams - PC1 - Approved [*EXTERNAL*]

Follow Up Flag: Follow up
Flag Status: Completed

Hello,

The Ivanpah submittal, **MECH-1-2.02X6 - Piping and Instrument Diagrams - PC1**, has been reviewed and Approved. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,



Susan Coddington-Allen
CBO Project Coordinator– Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle #150
Sacramento, CA 95834
P: 916.514.4510
F: 916.617.2068
susan.coddington-allen@us.bureauveritas.com
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Rudy, Holly

From: susan.coddington-allen@us.bureauveritas.com
Sent: Friday, May 02, 2014 1:04 PM
To: Fairhall, Christopher; Rudy, Holly; Frankert, Thomas; Ivanpah CBO; Smith, Shayne; hhuss@brightsourceenergy.com
Cc: steve.hermismeyer@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; shamica.zenn@us.bureauveritas.com; barbara.tomajic@us.bureauveritas.com; aleta.sage@us.bureauveritas.com; sabrina.dickinson@us.bureauveritas.com
Subject: Ivanpah – MECH-1-2.03X6 - Piping and Instrument Diagrams (For Reference Only, Not For Approval) - PC1 - Reference Only [*EXTERNAL*]

Follow Up Flag: Follow up
Flag Status: Completed

Hello,

The Ivanpah submittal, **MECH-1-2.03X6 - Piping and Instrument Diagrams (For Reference Only, Not For Approval) - PC1**, has been reviewed and deemed for Reference Only. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,



Susan Coddington-Allen
CBO Project Coordinator– Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle #150
Sacramento, CA 95834
P: 916.514.4510
F: 916.617.2068
susan.coddington-allen@us.bureauveritas.com
www.us.bureauveritas.com/energyusa
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Rudy, Holly

From: susan.coddington-allen@us.bureauveritas.com
Sent: Friday, May 02, 2014 1:18 PM
To: Fairhall, Christopher; Rudy, Holly; Frankert, Thomas; Ivanpah CBO; Smith, Shayne; hhuss@brightsourceenergy.com
Cc: steve.hermesmeyer@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; shamica.zenn@us.bureauveritas.com; barbara.tomajic@us.bureauveritas.com; aleta.sage@us.bureauveritas.com; sabrina.dickinson@us.bureauveritas.com
Subject: Ivanpah – MECH-1-2.05X6-P&IDs - Fuel Gas System and Lube Oil System (For Reference) - PC1 - Reference Only [*EXTERNAL*]

Follow Up Flag: Follow up
Flag Status: Completed

Hello,

The Ivanpah submittal, **MECH-1-2.05X6-P&IDs - Fuel Gas System and Lube Oil System (For Reference) - PC1**, has been reviewed and deemed for Reference Only. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,



Susan Coddington-Allen
CBO Project Coordinator– Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle #150
Sacramento, CA 95834
P: 916.514.4510
F: 916.617.2068
susan.coddington-allen@us.bureauveritas.com
www.us.bureauveritas.com/energyusa
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Rudy, Holly

From: susan.coddington-allen@us.bureauveritas.com
Sent: Friday, May 02, 2014 12:34 PM
To: Fairhall, Christopher; Rudy, Holly; Frankert, Thomas; Ivanpah CBO; Smith, Shayne; hhuss@brightsourceenergy.com
Cc: steve.hermismeyer@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; barbara.tomajic@us.bureauveritas.com; aleta.sage@us.bureauveritas.com; sabrina.dickinson@us.bureauveritas.com; shamica.zenn@us.bureauveritas.com
Subject: Ivanpah – MECH-1-2.07X6 - Unit 2 P&IDs (For Reference and Approval) - PC1 - Approved w/ Reference Only [*EXTERNAL*]

Follow Up Flag: Follow up
Flag Status: Completed

Hello,

The Ivanpah submittal, "**MECH-1-2.07X6 - Unit 2 P&IDs (For Reference and Approval) - PC1**", has been reviewed and approved. The submittal also contains documents for reference only. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,



Susan Coddington-Allen
CBO Project Coordinator– Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle #150
Sacramento, CA 95834
P: 916.514.4510
F: 916.617.2068
susan.coddington-allen@us.bureauveritas.com
www.us.bureauveritas.com/energyusa
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Rudy, Holly

From: susan.coddington-allen@us.bureauveritas.com
Sent: Friday, May 02, 2014 11:45 AM
To: Fairhall, Christopher; Rudy, Holly; Frankert, Thomas; Ivanpah CBO; Smith, Shayne; hhuss@brightsourceenergy.com
Cc: steve.hermismeyer@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; barbara.tomajic@us.bureauveritas.com; aleta.sage@us.bureauveritas.com; sabrina.dickinson@us.bureauveritas.com; shamica.zenn@us.bureauveritas.com
Subject: Ivanpah – MECH-1-2.10X5 - P&IDs (For Reference and Approval) - Unit 003 - PC1 - Approved w/ Reference Only [*EXTERNAL*]

Follow Up Flag: Follow up
Flag Status: Completed

Hello,

The Ivanpah submittal, "**MECH-1-2.10X5 - P&IDs (For Reference and Approval) - Unit 003 - PC1**", has been reviewed and approved. The submittal also contains documents for reference only. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,



Susan Coddington-Allen
CBO Project Coordinator– Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle #150
Sacramento, CA 95834
P: 916.514.4510
F: 916.617.2068
susan.coddington-allen@us.bureauveritas.com
www.us.bureauveritas.com/energyusa
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Exhibit 15
STRUC-1 CBO Approvals
Condition of Certification
STRUC-1

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Rudy, Holly

From: susan.coddington-allen@us.bureauveritas.com
Sent: Wednesday, May 28, 2014 2:43 PM
To: Fairhall, Christopher (RMP); Rudy, Holly; Frankert, Thomas; Ivanpah CBO; Smith, Shayne; hhuss@brightsourceenergy.com
Cc: steve.hermismeyer@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; barbara.tomajic@us.bureauveritas.com; aleta.sage@us.bureauveritas.com; sabrina.dickinson@us.bureauveritas.com; shamica.zenn@us.bureauveritas.com
Subject: Ivanpah – STRUC-1-5.01X1 - Structural Analysis for Tower - PC1 - Approved w/ Reference Only [*EXTERNAL*]

Follow Up Flag: Follow up
Flag Status: Flagged

Hello,

The Ivanpah submittal, "**STRUC-1-5.01X1 - Structural Analysis for Tower - PC1**", has been reviewed and approved. The submittal also contains documents for reference only. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,



Susan Coddington-Allen

CBO Project Coordinator– Power & Utilities

Bureau Veritas North America, Inc.

180 Promenade Circle #150

Sacramento, CA 95834

P: 916.514.4510

F: 916.617.2068

susan.coddington-allen@us.bureauveritas.com

www.us.bureauveritas.com/energyusa

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Exhibit 16
FCD CBO Approvals
Condition of Certification
FCD

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Rudy, Holly

From: susan.coddington-allen@us.bureauveritas.com
Sent: Tuesday, May 20, 2014 12:23 PM
To: Fairhall, Christopher (RMP); Rudy, Holly; Frankert, Thomas; Ivanpah CBO; Smith, Shayne; hhuss@brightsourceenergy.com
Cc: steve.hermsmeyer@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; shamica.zenn@us.bureauveritas.com; barbara.tomajic@us.bureauveritas.com; aleta.sage@us.bureauveritas.com; sabrina.dickinson@us.bureauveritas.com
Subject: Ivanpah – FCD - 25542-000-CSV-0010-00008 - Swale Requirements - PC2 - Approved [*EXTERNAL*]

Follow Up Flag: Follow up
Flag Status: Flagged

Hello,

The Ivanpah submittal, **FCD - 25542-000-CSV-0010-00008 - Swale Requirements - PC2**, has been reviewed and Approved. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,



Susan Coddington-Allen
CBO Project Coordinator– Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle #150
Sacramento, CA 95834
P: 916.514.4510
F: 916.617.2068
susan.coddington-allen@us.bureauveritas.com
www.us.bureauveritas.com/energyusa
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Rudy, Holly

From: susan.coddington-allen@us.bureauveritas.com
Sent: Friday, May 30, 2014 12:46 PM
To: Fairhall, Christopher (RMP); Rudy, Holly; Frankert, Thomas; Ivanpah CBO; Smith, Shayne; hhuss@brightsourceenergy.com
Cc: steve.hermsmeyer@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; shamica.zenn@us.bureauveritas.com; barbara.tomajic@us.bureauveritas.com; aleta.sage@us.bureauveritas.com; sabrina.dickinson@us.bureauveritas.com
Subject: Ivanpah – FCD - 25542-000-ERV-0000-00012 - Additional Tray Supports - PC2 - Approved [*EXTERNAL*]

Follow Up Flag: Follow up
Flag Status: Flagged

Hello,

The Ivanpah submittal, **FCD - 25542-000-ERV-0000-00012 - Additional Tray Supports - PC2**, has been reviewed and Approved. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,



Susan Coddington-Allen
CBO Project Coordinator– Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle #150
Sacramento, CA 95834
P: 916.514.4510
F: 916.617.2068
susan.coddington-allen@us.bureauveritas.com
www.us.Bureauveritas.com/energyusa
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Exhibit 17
NCR CBO Approvals
Condition of Certification
NCR

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Rudy, Holly

From: susan.coddington-allen@us.bureauveritas.com
Sent: Monday, May 12, 2014 3:23 PM
To: Fairhall, Christopher; Rudy, Holly; Frankert, Thomas; Ivanpah CBO; Smith, Shayne; hhuss@brightsourceenergy.com
Cc: steve.hermsmeyer@us.bureauveritas.com; terry.vosler@us.bureauveritas.com; shamica.zenn@us.bureauveritas.com; barbara.tomajic@us.bureauveritas.com; aleta.sage@us.bureauveritas.com; sabrina.dickinson@us.bureauveritas.com
Subject: Ivanpah – NCR - 25542-000-G61-GGG-00455 - Light Standard Attachment to Hand Rails - PC1 - Approved [*EXTERNAL*]

Follow Up Flag: Follow up
Flag Status: Completed

Hello,

The Ivanpah submittal, **NCR - 25542-000-G61-GGG-00455 - Light Standard Attachment to Hand Rails - PC1**, has been reviewed and Approved. You will find the documents on BVnet under the respective title. Feel free to contact me with any questions or concerns.

Respectfully,



Susan Coddington-Allen
CBO Project Coordinator– Power & Utilities
Bureau Veritas North America, Inc.
180 Promenade Circle #150
Sacramento, CA 95834
P: 916.514.4510
F: 916.617.2068
susan.coddington-allen@us.bureauveritas.com
www.us.bureauveritas.com/energyusa
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Exhibit 18

Monthly Construction Safety Summary Condition of Certification Worker Safety - 3

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Form B - Monthly Tank Inspection Report

TANK ID: EDG Tank ID: EDFP LOCATION: CLA

INSPECTOR: Carl Jeffries DATE: May 27, 2014

INSTRUCTIONS: Mark "not acceptable" when there is a major change from last month.

CHECK TANK FOR LEAKS, SPECIFICALLY LOOKING FOR:	Acceptable	Not Acceptable
Drip marks	☒	☐
Coating condition	☒	☐
Puddles containing spilled or leaked material	☒	☐
Corrosion	☒	☐
Cracks	☒	☐
Localized dead vegetation	☒	☐
Cathodic Protection Condition	☒	☐
CHECK FOUNDATION FOR:	Acceptable	Not Acceptable
Cracks	☒	☐
Discoloration	☒	☐
Puddles containing spilled or leaked material	☒	☐
Settling	☒	☐
Gaps between tank and foundation	☒	☐
Damage caused by vegetation roots	☒	☐



CHECK PIPING FOR:	Acceptable	Not Acceptable
Droplets of stored material	✓	
Discoloration	✓	
Corrosion	✓	
Bowing of pipe between supports	✓	
Evidence of stored material seepage from valves or seals	✓	
Localized dead vegetation	✓	
CHECK CONTAINMENT FOR:	Acceptable	Not Acceptable
Level of water/snow/ice/stored materials vs. available capacity	✓	
Operational status of dike drainage valves	✓	
Debris	✓	
Erosion of earthen dike walls (reduction of capacity)	✓	
Cracks (e.g. concrete, cinder block dike walls)	✓	
Discoloration	✓	
Presence of spilled or leaked product	✓	
Corrosion of steel containment vessels	✓	

COMMENTS/ACTIONS: _____



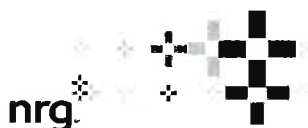
Form B - Monthly Tank Inspection Report

TANK ID: EDG Tank ID: EDFP LOCATION: Unit 1

INSPECTOR: Carl Jeffries DATE: May 27, 2014

INSTRUCTIONS: Mark "not acceptable" when there is a major change from last month.

CHECK TANK FOR LEAKS, SPECIFICALLY LOOKING FOR:	Acceptable	Not Acceptable
Drip marks	✓	
Coating condition	✓	
Puddles containing spilled or leaked material	✓	
Corrosion	✓	
Cracks	✓	
Localized dead vegetation	✓	
Cathodic Protection Condition	✓	
CHECK FOUNDATION FOR:	Acceptable	Not Acceptable
Cracks	✓	
Discoloration	✓	
Puddles containing spilled or leaked material	✓	
Settling	✓	
Gaps between tank and foundation	✓	
Damage caused by vegetation roots	✓	



CHECK PIPING FOR:	Acceptable	Not Acceptable
Droplets of stored material	/	
Discoloration	/	
Corrosion	/	
Bowing of pipe between supports	✓	
Evidence of stored material seepage from valves or seals	/	
Localized dead vegetation	/	
CHECK CONTAINMENT FOR:	Acceptable	Not Acceptable
Level of water/snow/ice/stored materials vs. available capacity	/	
Operational status of dike drainage valves	/	
Debris	/	
Erosion of earthen dike walls (reduction of capacity)	/	
Cracks (e.g. concrete, cinder block dike walls)	/	
Discoloration	/	
Presence of spilled or leaked product	/	
Corrosion of steel containment vessels	/	

COMMENTS/ACTIONS: _____



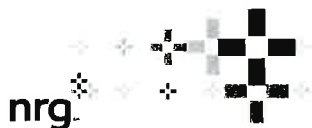
Form B - Monthly Tank Inspection Report

TANK ID: EDG Tank ID: EDFP LOCATION: Unit 2

INSPECTOR: Carl Jeffries DATE: May 27, 2014

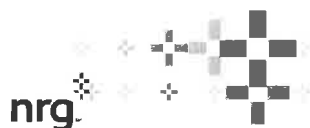
INSTRUCTIONS: Mark "not acceptable" when there is a major change from last month.

CHECK TANK FOR LEAKS, SPECIFICALLY LOOKING FOR:	Acceptable	Not Acceptable
Drip marks	✓	
Coating condition	✓	
Puddles containing spilled or leaked material	✓	
Corrosion	✓	
Cracks	✓	
Localized dead vegetation	✓	
Cathodic Protection Condition	✓	
CHECK FOUNDATION FOR:	Acceptable	Not Acceptable
Cracks	✓	
Discoloration	✓	
Puddles containing spilled or leaked material	✓	
Settling	✓	
Gaps between tank and foundation	✓	
Damage caused by vegetation roots	✓	



CHECK PIPING FOR:	Acceptable	Not Acceptable
Droplets of stored material	/	
Discoloration	/	
Corrosion	/	
Bowing of pipe between supports	/	
Evidence of stored material seepage from valves or seals	/	
Localized dead vegetation	/	
CHECK CONTAINMENT FOR:	Acceptable	Not Acceptable
Level of water/snow/ice/stored materials vs. available capacity	/	
Operational status of dike drainage valves	/	
Debris	/	
Erosion of earthen dike walls (reduction of capacity)	/	
Cracks (e.g. concrete, cinder block dike walls)	/	
Discoloration	/	
Presence of spilled or leaked product	/	
Corrosion of steel containment vessels	/	

COMMENTS/ACTIONS: _____



Form B - Monthly Tank Inspection Report

TANK ID: EDG Tank ID: EDFP LOCATION: Unit 3

INSPECTOR: Carl Jeffries DATE: May 27, 2014

INSTRUCTIONS: Mark "not acceptable" when there is a major change from last month.

CHECK TANK FOR LEAKS, SPECIFICALLY LOOKING FOR:	Acceptable	Not Acceptable
Drip marks	✓	
Coating condition	✓	
Puddles containing spilled or leaked material	✓	
Corrosion	✓	
Cracks	✓	
Localized dead vegetation	✓	
Cathodic Protection Condition	✓	
CHECK FOUNDATION FOR:	Acceptable	Not Acceptable
Cracks	✓	
Discoloration	✓	
Puddles containing spilled or leaked material	✓	
Settling	✓	
Gaps between tank and foundation	✓	
Damage caused by vegetation roots	✓	

CHECK PIPING FOR:	Acceptable	Not Acceptable
Droplets of stored material	✓	
Discoloration	✓	
Corrosion	✓	
Bowing of pipe between supports	✓	
Evidence of stored material seepage from valves or seals	✓	
Localized dead vegetation	✓	
CHECK CONTAINMENT FOR:	Acceptable	Not Acceptable
Level of water/snow/ice/stored materials vs. available capacity	✓	
Operational status of dike drainage valves	✓	
Debris	✓	
Erosion of earthen dike walls (reduction of capacity)	✓	
Cracks (e.g. concrete, cinder block dike walls)	✓	
Discoloration	✓	
Presence of spilled or leaked product	✓	
Corrosion of steel containment vessels	✓	

COMMENTS/ACTIONS: _____

