DOCKETED	
Docket Number:	09-AFC-05C
Project Title:	Abengoa Mojave Compliance
TN #:	232295
Document Title:	COMPLIANCE7-03-00, Mojave Solar Project 2019 Annual Compliance Report (09-AFC-5C) part 1
Description:	COMPLIANCE7-03-00, Mojave Solar Project 2019 Annual Compliance Report (09-AFC-5C) part 1
Filer:	Jose Manuel Bravo Romero
Organization:	Mojave Solar Project
Submitter Role:	Applicant
Submission Date:	3/4/2020 7:46:58 AM
Docketed Date:	3/4/2020

Mojave Solar LLC

42134 Harper Lake Road
Hinkley, California 92347
Phone: 760 308 0400

SUBMITTED ELECTRONICALLY

Subject:	**09-AFC-5C**
Condition Number:	**Compliance 7**
Description:	**Mojave Solar Project 2019 Annual Compliance Report**
Submittal Number:	**COMPLIANCE7-03-00**
Distribution:	**Keith Winstead, CEC; Kara Harris, US DOE; Dr. Sharma Shankar CDFW; Ray Bransfield, USFWS; Thomas Dietsch, USFWS**

February 27, 2020

Keith Winstead
Compliance Project Manager
California Energy Commission
1516 Ninth Street, MS-2000
Sacramento, CA 95814
keith.winstead@energy.ca.gov

Dear Mr. Winstead,

The attached Mojave Solar Project 2019 Annual Compliance Report (09-AFC-5C) is submitted for your review as part of the ongoing reporting required by the California Energy Commission's Conditions of Certification for the Mojave Solar Project.

Sincerely,

Jose Manuel Bravo Romero
Manager
Compliance, Permitting, Quality and Environment Department
ASI Operations LLC
Mojave Solar Project
42134 Harper Lake Rd
Hinkley, CA 92347
(303) 378-7302
jmanuel.bravo@atlanticayield.com

Attachment: 09-AFC-5C Mojave Solar Project 2019 Annual Compliance Report.

09-AFC-5C Mojave Solar Project
Annual Compliance Report
2019 reporting period

Prepared by:

AS Industrial Operations LLC.

for

Mojave Solar LLC
42134 Harper Lake Road
Hinkley, California 92347

Mojave Solar LLC

42134 Harper Lake Road
Hinkley, California 92347
Phone: 760 308 0400

Subject: **09-AFC-5C**
Condition Number: **COMPLIANCE-7**
Description: **Annual Compliance Report – 2019. January-December 2019**
Submittal Number: **COMPLIANCE7-03-00**

2/27/2020

Keith Winstead, CEC CPM
(09-AFC-5C)
California Energy Commission
1516 Ninth Street (MS-2000)
Sacramento, CA 95814
keith.winstead@energy.ca.gov

Dear Mr. Winstead,

As required by the California Energy Commission ("CEC") Condition of Certification COMPLIANCE-7, the following document is the fourth Annual Compliance Report ("ACR"). As you know, the CEC Commission Decision includes the following requirements:

Annual Compliance Report (COMPLIANCE-7)

After construction is complete, 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 the CPM each year at a date agreed to by the CPM. Annual Compliance Reports shall be submitted over the life of the

project unless otherwise specified by 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 approved by the Energy Commission or cleared by 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.

This Annual Compliance Report (ACR) covers the period from January until December and is submitted on or before February 28 of the following year, upon agreement reached on October 27, 2016 between Dale Rundquist, Compliance Project Manager from the California Energy Commission for Mojave Solar Project and Abengoa Solar Ind. Operations Jose Manuel Bravo Romero Compliance, Quality and Environment Department Manager. Attached please find the email correspondence for your convenience. **Appendix A**.

Mojave Solar LLC ("MSLLC") submittals to or approvals by the CEC during the period from January 2019 to December 2019 are summarized on the below table:

MSP Submittals, Updates & Approvals			
Date	Sub/App	CEC Condition	Issue
1/4/2019	Submittal	AQ70-04-00	AQ70-04-00, PTO's C012015 and C012016 Annual emission report submittal
1/11/2019	Submittal	WASTE10-19-00	WASTE10-19-00 HTF Contaminated Soil Spill Log and Lab Results Submittal

Mojave Solar LLC

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1/14/2019	Submittal	AQ58-02-00	AQ58-02-00 Annual Fuel Throughput 2018
1/16/2019	Submittal	BIO19-60-00	BIO19-60-00 Evaporation Pond Plan Report for December 2018 (09-AFC-5C)
1/24/2019	Submittal	BIO19-61-00	BIO19-61-00 Macro-invertebrate report 2018 (09-AFC-5C)
1/25/2019	Submittal	SWAT10-16-00	SWAT10-16-00 Backflow preventer annual test
1/30/2019	Submittal	SWAT06-22-00	SWAT6-22-00 2018-2019 Semiannual Detection Monitoring Program-Groundwater Monitoring Plan Report
2/13/2019	Submittal	BIO17-08-00	BIO17-08-00 Bird Monitoring Study 2018-2019 First Quarterly Repor (09-AFC-5C)
2/15/2019	Submittal	BIO19-62-00	BIO19-62-00 Evaporation Pond Plan Report for January 2019 (09-AFC-5C)
2/27/2019	Submittal	AQ72-07-00	AQ-72-07-00 Carbon Adsorption Systems Compliance Test Issues Co No. - 1876 Facility No. – 3130 CEC (09-AFC-5C)
3/8/2019	Submittal	BIO05-03-07	BIO5-03-07 Revised WEAP - Worker Environmental Awareness Program, Revised
3/15/2019	Submittal	BIO19-63-00	BIO19-63-00 Evaporation Pond Plan Report for February 2019 (09-AFC-5C)
3/26/2019	Submittal	SWAT10-17-00	SWAT10-17-00 DBPR and ENP (09-AFC-5C.)
3/27/2019	Submittal	AQ72-06-03	AQ72-06-03 Annual Compliance Test results for VOC & Benzene Emissions, Carbon System
4/9/2019	Submittal	BIO07-09-02	BIO7-09-02 Cooling Tower netting (09-AFC-5C)
4/9/2019	Submittal	SWAT10-18-00	SWAT10-18-00 Mojave Solar Project 2019 annual Sanitary Survey Report (SSR). Certif 09-AFC-5C

Mojave Solar LLC

42134 Harper Lake Road Phone: 760 308 0400
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4/9/2019	Submittal	SWAT10-19-00	SWAT10-19-00 Nontransient-noncommunity System Ground Water Permit
4/12/2019	Submittal	SWAT10-20-00	SWAT10-20-00 Mojave Solar Project annual Consumer Confidence Report (CCR) 09-AFC-5C
4/16/2019	Submittal	AQ54-04-00	AQ54-04-00 MDAQMD Rule 461 Testing Notification Form for Gasoline Dispensing Tank Vapor Recovery Annual Test.
4/16/2019	Submittal	BIO17-04-01	BIO17-04-01 Bird Monitoring Study Second Quarterly Report Winter 2017-2018 (09-AFC-5C)
4/16/2019	Submittal	BIO17-05-01	BIO17-05-01 Bird Monitoring Study Third Quarterly Report Spring 2018 (09-AFC-5C)
4/22/2019	Submittal	BIO19-64-00	BIO19-64-00 Evaporation Pond Plan Report for March 2019 (09-AFC-5C)
4/22/2019	Submittal	SWAT10-20-01	SWAT10-20-01 Mojave Solar Project annual Consumer Confidence Report (CCR). Certif 09-AFC-5C
5/7/2019	Submittal	AQ54-04-01	AQ54-04-01 MDAQMD Rule 461 Testing Notification Form Gasoline Dispensing Tank V
5/20/2019	Submittal	BIO19-65-00	BIO19-65-00 Evaporation Pond Plan Report for April 2019 (09-AFC-5C)
5/23/2019	Submittal	BIO17-09-00	BIO17-09-00 Bird Monitoring Study 2018-2019 Second Quarterly Report (09-AFC-5C)
5/28/2019	Submittal	WASTE10-20-00	WASTE10-20-00 HTF Contaminated Soil Spill Log and Lab Results
5/29/2019	Submittal	AQ72-08-00	AQ-72-08-00 Protocol for VOC & Benzene Emissions Testing on Carbon System for Annual Test
5/31/2019	Submittal	SWAT10-21-00	SWAT10-21-00 Small Water System 2018 Annual Report to the Drinking

Mojave Solar LLC

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			Water Program
6/10/2019	Submittal	BIO17-07-01	(Revised) BIO17-07-01 Bird Monitoring Study 2017-2018 Annual Report (09-AFC-5C)
6/19/2019	Submittal	BIO19-66-00	BIO19-66-00 Evaporation Pond Plan Report for May 2019 (09-AFC-5C)
7/26/2019	Submittal	BIO19-67-00	BIO19-67-00 Evaporation Pond Plan Report for June 2019 (09-AFC-5C)
7/30/2019	Submittal	SWAT06-23-00	SWAT6-23-00 2018-2019 Annual and Second Semiannual Detection Monitoring Program Groundwater Monitoring Plan Report (09-AFC-5C).
8/2/2019	Submittal	AQ72-09-00	AQ72-09-00 Annual Compliance Test results for VOC & Benzene Emissions, Carbon System (09-AFC-5C)
8/16/2019	Submittal	COMP07-02-00	COMPLIANCE7-02-00 Mojave Solar Project 2018 Annual Compliance Report (09-AFC-5C)
8/19/2019	Submittal	BIO19-68-00	BIO19-68-00 Evaporation Pond Plan Report for July 2019 (09-AFC-5C)
8/27/2019	Submittal	BIO17-10-00	BIO17-10-00 Bird Monitoring Study 2018-2019 Third Quarterly Report
8/27/2019	Submittal	SWAT04-19-00	SWAT4-19-00 Permission to Discharge to BLM Wetlands
8/28/2019	Submittal	AQ72-10-00	AQ72-10-00 Annual Compliance Test for VOC & Benzene Emissions, Carbon System. (09-AFC-5C)
8/29/2019	Submittal	WASTE10-21-00	HTF Contaminated Soil Spill Log and Lab Results
9/5/2019	Submittal	SWAT04-19-01	SWAT4-19-01 Permission to Discharge to BLM Wetlands
9/20/2019	Submittal	BIO19-70-00	BIO19-70-00 Evaporation Pond Plan Report for August 2019 (09-AFC-5C)
9/20/2019	Submittal	SWAT04-19-	SWAT4-19-02 Permission to

Mojave Solar LLC

42134 Harper Lake Road Phone: 760 308 0400
Hinkley, California 92347

		02	Discharge to BLM Wetlands
10/1/2019	Submittal	AQSC8-11-00	AQSC8-11-00 MDAQMD MSP Permits to Operate (09-AFC-5C)
10/2/2019	Submittal	AQ72-10-01	AQ72-10-01 Annual Compliance Test for VOC & Benzene Emissions, Carbon System. (09-AFC-5C)
10/10/2019	Notification	COMP14-05-00	COMP14-05-00 New staging area MSP (09-AFC-5C)
10/11/2019	Submittal	AQ72-10-02	AQ72-10-02 Annual Compliance Test for VOC & Benzene Emissions, Carbon System. (09-AFC-5C)
10/15/2019	Submittal	BIO19-69-00	BIO19-69-00 2019 Evaporation Pond Macro-Invertebrate Report (09-AFC-5C)
10/18/2019	Submittal	BIO17-05-02	BIO17-05-02 Bird Monitoring Study Third Quarterly Report Spring 2018 (09-AFC-5C)
10/22/2019	Submittal	BIO19-71-00	BIO19-71-00 Evaporation Pond Plan Report for September 2019 (09-AFC-5C)
11/14/2019	Submittal	BIO19-72-00	BIO19-72-00 Evaporation Pond Plan Report for October 2019 (09-AFC-5C)
11/25/2019	Extension Request	BIO17-02-02	BIO17-02-02 Bird Monitoring Study reporting schedule, second year monitoring (09-AFC-5C)
12/16/2019	Submittal	BIO19-73-00	BIO19-73-00 Evaporation Pond Plan Report for November 2019 (09-AFC-5C)
12/19/2019	Submittal	BIO21-07-00	BIO21-07-00 Biological Opinion Annual Compliance Report 2019 (09-AFC-5C)

Mojave Solar LLC

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Cumulative listing of all post-certification changes approved by the Energy Commission or cleared by the CPM:

No.	Condition of Certification	Description	Date Submitted	Date Approved	Relevant Document
1	BIO-7	Request to remove the 25 mph restriction for MSP personnel driving on Harper Lake Road and allow them to drive the legal, posted speed limit, like other users of the road.	March 30, 2012, Petition to Amend	August 9, 2012, by the CEC	Order No. 12-0809-3 ORDER APPROVING a Petition to Modify Condition of Certification BIO-7 to Remove 25 mph Restriction on Harper Lake Road
2	HAZ-7	Request to eliminate the requirement for fire hydrant loops in the solar fields and revise Condition of Certification HAZ-7 regarding fire water loop infrastructure in the solar fields.	July 27, 2012, Petition to Amend	December 12, 2012, by the CEC	Order No. 12-1212-3 ORDER APPROVING a Petition to Amend the Energy Commission Decision (Condition of Certification HAZ-7)
3	Deletion of AQ-1 through AQ-8; Modifications to AQ-10,	Changes in equipment and Power Block General arrangement affecting some	October 29, 2013, Revised Petition to Amend	April 22, 2014, by CEC.	Order No. 14-0422-4 APPROVING a Petition to Amend Air Quality

Mojave Solar LLC

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	AQ-11, AQ-12, AQ-33, AQ-38, AQ-44, AQ-47, AQ-50 through AQ-59, "Reservation " (deletion) of AQ-13, AQ-14, AQ-15, AQ-17, AQ-18, AQ-19, AQ-20, AQ-37, AQ-46; Addition of AQ-29a, AQ-40a, AQ-60 through -74.	Air Quality COCs.			Conditions of Certification and Power Block General Arrangement in the Final Decision
4	AQ-25, AQ-26, AQ-28	Change to method for direct measurement of TDS in Cooling Towers	August 15, 2014, Petition for Modification	November 17, 2014, by CEC	OrderNo.14-1117-6 ORDER APPROVING a Petition to Amend the Energy Commission Decision (Conditions of Certification AQ-25, AQ-26, and AQ-28)
5	Adding GEN-1.1, GEN-1.2, GEN-1.3	Fire-protection-system-related Conditions of		December 19, 2016, by CEC	Resolution Approving Settlement -

		Certification as part of a Settlement Agreement			Resolution No: 16-1214-4
6	COMP 14	Petition to Amend with the California Energy Commission.	10/10/2019		COMP 14-05-00 submittal

Other Permits\Filings

All Mojave Desert Air Quality Management District Permits to operate were issued and sent to the California Energy Commission on September 28, 2017 under AQSC8-09-00, MDAQMD Permits to Operate (09-AFC-5C) submittal. Also, the permits for Mojave Solar Project Alpha and Beta Power Plants Permanents Potable Treatment Facility were granted on November 2017 and the renewal fee until February 2020. Sewage Holding Tank Operating Permit for Alpha and Beta was renewed as well until December 2020.
The Comprehensive Emission Inventory for the Mojave Solar Project was sent to the Mojave Desert Air Quality Management District using a California Air Resources Board (CARB) and Mojave Desert Air Management District (MDAQMD) specific program.
The updated Hazardous Material list was submitted to the San Bernardino County Fire Department through the California Environmental Reporting System (CERS). All hazardous material inventory was also updated on the CA Department of Toxic Substances (DTSC) website.
The Steam Boilers Permit were also granted by the Department of Industrial relations Division of Occupational Safety and Health Pressure Vessel Unit.

	Permit #	Description	Issuing Agency	Renewal Freq.
1	N011039	Permit to operate; Gasoline Dispensing Facility	Mojave Desert Air Quality Management District	Annual
2	C012015	Permit to operate; Alpha	Mojave Desert Air Quality Management	Annual

		Carbon Absorption System	District	
3	C012016	Permit to operate; Beta Carbon Absorption System	Mojave Desert Air Quality Management District	Annual
4	E011042	Permit to operate; Diesel IC Engine, Emergency Generator (Alpha)	Mojave Desert Air Quality Management District	Annual
5	E011043	Permit to operate; Diesel IC Engine, Emergency Generator (Beta)	Mojave Desert Air Quality Management District	Annual
6	E011044	Permit to operate; Diesel IC Engine, Fire Pump (Alpha)	Mojave Desert Air Quality Management District	Annual
7	E011045	Permit to operate; Diesel IC Engine, Fire Pump (Beta)	Mojave Desert Air Quality Management District	Annual
8	B011037	Permit to operate; Cooling Tower (Alpha)	Mojave Desert Air Quality Management District	Annual
9	B011038	Permit to operate; Cooling Tower (Beta)	Mojave Desert Air Quality Management District	Annual
10	B011046	Permit to operate; Heat Transfer Fluid (Alpha)	Mojave Desert Air Quality Management District	Annual
11	B011047	Permit to operate; Heat Transfer Fluid	Mojave Desert Air Quality Management District	Annual

Mojave Solar LLC

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		(Beta)		
12	NONA	Storm Water Permit	Lahontan Regional Water Quality Control District (LRWCQB)	N/A
13	CAR0002242040	Hazardous Waste Generator Permit (EPA ID No.)	California Department of Toxic Substances Control (DTSC)	Annual
14	PT0026442 PT0028858 PT0026440 PT0026441	CUPA permit	San Bernardino County Department of Toxic Substances	Annual
15	N/A	SBCFD annual fee	San Bernardino County Fire Department	Annual
16	FA0028762/63	SBC Potable Water Permit	San Bernardino County Department of Health	Annual
17	AR0056050	Septic Permit	San Bernardino County Department of Health	Annual
18	SCP 13623 / SPUT MB27095C-0	Wildlife Collection Permit	California Department of Fish and Wildlife and US Fish and Wildlife	Triannual / N/A
19	164268 and 164269	Elevator Permit	San Bernardino County Department of Health	Annual
20	B009812-14	(NBVP) Pressure Vessel (Steam Drum) Inspection and Permit	National Board of Pressure Vessels (NBPV)	Annual
21	A010114-14 A010118-14 A010122-14 A010113-14 A010117-14 A010121-14 A010112-14 A010116-14 A010120-14	(NBVP) Pressure Vessel (Air Compressor) Inspection and Permit	National Board of Pressure Vessels (NBPV)	Annual

Mojave Solar LLC

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	A010111-14 A010115-14 A010119-14			
22	N/A	CEC annual fees	CEC	Annual
23	N/A	Watermaster Fee	Watermaster	Annual
24	N/A	Waterboard	Waterboard	Annual
25	1896687-01	Tire recycling program. Identification Number.	CA Department of Resources Recycling and Recovery	N/A
26	TRENC-2018-00281	Road Encroachment Permit	County of San Bernardino, Department of Public Works	Valid through 11/26/2020

Please contact me with any question.

Sincerely,

Jose Manuel Bravo Romero

Manager
Permitting, Compliance, Quality and Environment Department

ASI Operations LLC
Mojave Solar Project
42134 Harper Lake Rd
Hinkley, CA 92347

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Mojave Solar LLC
42134 Harper Lake Road Phone: 760 308 0400
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Subject: **09-AFC-5C**
Condition Number: **COMPLIANCE-7**
Description: **Annual Compliance Report – 2019**
Submittal Number: **COMPLIANCE7-03-00**

2/20/2020

Keith Winstead, CEC CPM
(09-AFC-5C)
California Energy Commission
1516 Ninth Street (MS-2000)
Sacramento, CA 95814
keith.winstead@energy.ca.gov

Dear Mr. Winstead,

As required by Condition of Certification COMPLIANCE-7, attached is Mojave Solar Project's fourth Annual Compliance Report (ACR) for the period of January 1 – December 31, 2019.

Pursuant to COMPLIANCE-7 and other ACR reporting requirements contained in MSP's License 09-AFC-5C, please find an update to the following Conditions of Certification:

Mojave Solar LLC
42134 Harper Lake Road Phone: 760 308 0400
Hinkley, California 92347

Contents

COMPLIANCE-5, Compliance Matrix

A compliance matrix shall be submitted by the project owner to the CPM along with each monthly and annual compliance report. The compliance matrix is intended to provide 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), 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.
The updated Compliance Matrix has been included, please see attachment. **Appendix B.**

COMPLIANCE-10, Complaints

The project owner shall report and provide copies to 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 be recorded on the complaint form located at the end of this section.
No complaint was received by Mojave Solar LLC during the reporting period.

COMPLIANCE-12, On-site Contingency Plan for Unplanned Temporary Closure

The project owner, in consultation with the CPM, will update the on-site contingency plan as necessary. 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 the CPM.
On 05/4/2016, MSLLC submitted COMP12-01-00, updating sections 5.5.1, Insurance Coverage, and 5.5.2, Major Equipment Warranties, of the On-site Contingency Plan for Unplanned Temporary Closure to reflect the most current information. On December 1st, 2017 Atlantica Yield sent an email to the CEC CPM with updated insurance information for Mojave Solar LLC. CEC CPM acknowledged receipt on December 8th, 2017. Yearly updates have been submitted to the CEC along with the DMP annual report. Last one submitted on 07/30/2019, SWAT6-23-00. 2018-2019 Annual and Second Semiannual Detection Monitoring Plan Report (09-AFC-5C).
No additional changes are recommended at this time.

COMPLIANCE-14, Permit Modifications

See Compliance 7, Item 4. 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. It is the responsibility of the project owner to contact 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 Energy Commission, or Energy Commission staff approval, may result in enforcement action that could result in civil penalties in accordance with section 25534 of the Public Resources Code. No ownership changes nor modification was made during the reporting period. One Petition to Amend was sent on October 10, 2019. COMP14-05-00 New staging area MSP (09-AFC-5C) submittal.

TLSN-2

All reports of line-related complaints shall be summarized for the project-related lines and included during the first five years of plant operation in the Annual Compliance Report. No complaint was received by Mojave Solar LLC during the reporting period.

TLSN-4

During the first five years of operation, the project owner shall provide a summary of inspection results and any fire prevention activities carried out along the rights-of-way

and provide such summaries in the Annual Compliance Report for transmission line safety and nuisance-related requirements. Please see attachment. **Appendix T.**

Air Quality Permit

Air Quality permit amendment applications were submitted to MDAQMD on 10/19/2013. MDAQMD approved on 02/24/2014. MDAQMD submitted this approval to the CPM on 02/24/2014, MDAQMD submitted revised ATC to CPM on 03/14/2014. CPM provided proposed revised conditions of certification on 03/21/2014. On 04/22/2014, the CEC issued Order No. 14-0422-4, Approving a Petition to Amend Air Quality Conditions of Certification and Power Block General Arrangement in the Final Decision. MDAQMD issued revised air quality permits on 04/28/2014.

AQ-SC6, On Site Vehicle and Equipment Fleet Plan

Vehicle Fleet Plan. At least 30 days prior to the start 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. No changes to the On-Site Vehicle and Equipment Fleet Plan, submittal AQSC6-00-02, approved by the CPM on September 18, 2014, occurred during the reporting period.

AQ-16, HTF Use Quantity Report

The inspection and maintenance plan shall be submitted to the CPM for review and approval at least 30 days before taking delivery of the HTF. As part of the Annual Compliance Report, the project owner shall provide the quantity of used HTF fluid removed from the system and the amount of new HTF fluid added to the system each year. The project owner shall make the site available for inspection of HTF piping Inspection and Maintenance Program records and HTF system equipment by representatives of the District, ARB, and the Energy Commission.
MSP purchased 4 barrels of Therminol® in 2019 on Solutia PO 45000901821 and received the drums on 12/06/19. It was added in the system following manufacturer specifications. **See Appendix C for the associated documentation.**

AQ-24, Cooling Tower Emission Rates

Cooling Tower emission calculation. The manufacturer guarantee data for the drift eliminator, showing compliance with this condition, shall be provided to the CPM and the District 30 days prior to cooling tower operation. As part of the Annual Compliance Report the project owner shall include information on operating emission rates to demonstrate compliance with this condition. The Cooling Tower operating emission rate have been included, please see attachment. **Appendix D.**

AQ-34, Emergency Generator Fuel and Time of Use Records

The project owner shall submit records required by this condition that demonstrating compliance with the sulfur content and engine use limitations of conditions AQ-28 and AQ-30 in the Annual Compliance Report, including a photograph showing the annual reading of engine hours. Emergency diesel generator (AQ-34) and fire diesel pump (AQ-45) panel pictures, sulfur content, and engine use limitations documents are located in **Appendix E.**

AQ-45, Diesel Fire Pump Engine Fuel and Time of Use Records

The project owner shall submit records required by this condition that demonstrating compliance with the sulfur content and engine use limitations of conditions AQ-42 and AQ-44, and AQ-46 in the Annual Compliance Report, including a photograph showing the annual reading of engine hours. The project owner shall make the site available for inspection of records by representatives of the District, ARB, and the Energy Commission. See Appendix E, as noted previously in AQ-34.

AQ-54, Gasoline Tank Annual Test

Gasoline tank annual test. The project owner shall notify the District at least 10 days prior to performing the required tests. The test results shall be submitted to the District within 30 days of completion of the tests and shall be made available to the CPM if requested. (VOC) Vapor Recovery system, installation and testing occurred on 04/16/2016. AQ54-04-01 Gasoline Dispensing Tank Vapor Recovery Test results submitted to MDAQMD and CPM on 05/07/2019, please see attachment, is included as **Appendix F.**

AQ-58, Gasoline Tank Usage

The annual throughput of gasoline shall not exceed 600,000 gallons per year.
The project owner shall submit to the CPM gasoline throughput records demonstrating compliance with this condition as part of the Annual Compliance Report. The project owner shall maintain on site the annual gasoline throughput records and shall make the site available for inspection of records by representatives of the District, ARB, and the Energy Commission. AQ58-03-00, Annual Fuel Throughput Request for Mojave Solar Facility #3130, Company #1876, submitted to MDAQMD and CPM on January 17, 2020, is included as **Appendix G.**

AQ-63, Carbon Adsorption System – Annual Test, Control Efficiency

The project owner shall notify the District and the CPM within fifteen (15) working days before the execution of the compliance test required in this condition. The initial test results shall be submitted to the District and to the CPM within 180 days of initial startup. As part of the Annual Compliance Report, the project owner shall include information demonstrating compliance with control efficiency. AQ72-08-00 Protocol for VOC & Benzene Emissions Testing on Carbon System for Annual Test was submitted to the MDAQMD and CPM on May 29, 2019. AQ-72-09-00 and AQ-72-10-01 Annual Compliance Test Results for VOC & Benzene Emissions, Carbon System, were submitted to the MDAQMD and CPM on August 01, 2019 and October 02, 2019 respectively. **Appendix H**

AQ-65, Carbon Adsorption System – Annual VOC emissions

As part of the Annual Compliance Report, the project owner shall include the test results demonstrating compliance with this condition and the project owner shall make the site available for inspection of records by representatives of the District, ARB, and the Energy Commission.
Included in AQ72-08-00 Protocol for VOC & Benzene Emissions Testing on Carbon System for Annual Test was submitted to the MDAQMD and CPM on May 29, 2019. AQ-72-09-00 and AQ-72-10-00 Annual Compliance Test Results for VOC & Benzene Emissions, Carbon System, were submitted to the MDAQMD and CPM on August 01, 2019 and October 02, 2019 respectively. . **See Appendix H.**

AQ-70, Carbon Adsorption System – Annual VOC Emissions Summary

As part of the Annual Compliance Report. the project owner shall include the test results demonstrating compliance with this condition and the project owner shall make the site available for inspection of records by representatives of the District. ARB. and the Energy Commission.
AQ-70-05-00, Annual summary VOC emissions report (09-AFC-5C), MDAQMD Facility #3130 Company #1876, submitted to the MDAQMD and CPM on January 6, 2020, is included in **Appendix I**

AQ-74, Carbon Adsorption System – Annual Test, Emissions

Annual VOC and Benzene emission calculation. As part of the Annual Compliance Report. the project owner shall include information demonstrating compliance with operating emission rates.
Included in AQ72-08-00 Protocol for VOC & Benzene Emissions Testing on Carbon System for Annual Test was submitted to the MDAQMD and CPM on May 29, 2019. AQ-72-09-00 and AQ-72-10-00 Annual Compliance Test Results for VOC & Benzene Emissions, Carbon System, were submitted to the MDAQMD and CPM on August 01, 2019 and October 02, 2019 respectively. See **Appendix H.**

Worker Safety-6, SBCFD Payments

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. Proof of payment is submitted to the CPM as WKSF6-06-00, SBCFD Annual O&M Contribution Verification (2018 - 2019), as part of this Annual Compliance Report, is included as **Appendix R.**

Worker Safety-9, Joint Training with the SBCFD

The project owner shall participate in joint training exercises with the SBCFD. The project owner shall coordinate this training with other Energy Commission-licensed solar power plants within San Bernardino County such that this project shall host the annual training on a rotating yearly basis with the other solar power plants.
Verification: At least 10 days prior to the start of commissioning, the project owner shall submit to the CPM proof that the joint training with the SBCFD is established and shall include the date, list of participants, training protocol, and location in the yearly compliance report to the CPM. Invitation and records of training are included as **Appendix U.**

BIO-2 DB Summaries

During project operation, the Designated Biologist shall submit record summaries in the Annual Compliance Report unless their duties are ceased as approved by the CPM. As requested by the CEC CPM on September 9, 2019, SWAT4-19-02 with *"Monitoring results and a completion report shall be included in the Annual Compliance Report for 2019"* was submitted to the authorities on September 20, 2019 as is herein included on Appendix J. For the Designated Biologist duties summaries, please see the Biological Resources section of the ACR, located in **Appendix J.**

BIO-5 WEAP Training

The project owner shall develop and implement a CPM-approved Worker Environmental Awareness Program (WEAP) in which each of its employees, as well as employees of contractors and subcontractors who work on the project site or any related facilities during site mobilization, ground disturbance, grading, construction, operation, and closure are informed about sensitive biological resources associated with the project. During project operation, signed statements for operational personnel shall be kept on file for six months following the termination of an individual's employment.
All records of trainings held onsite are available upon request, and were submitted to the agencies under BIO21, Biological Opinion submittal on December 2019.

BIO-16, Tamarisk Eradication, Monitoring and Reporting Program

Tamarisk report. The Designated Biologist shall submit annual reports to the CPM and CDFG describing the dates, durations and results of monitoring. The reports shall fully describe the status of the tamarisk at the eradication site, and shall describe any actions taken to remedy regrowth. The CPM and CDFG shall 1) verify compliance with protective measures to ensure the accuracy of the project owner's mitigation, monitoring and reporting efforts; and 2) review relevant documents maintained by the project owner,
interview the project owner's employees and agents, inspect the work site, and take other actions as necessary to assess compliance with or effectiveness of protective measures. The Tamarisk Plan annual report is included in the Biological Resources section of the ACR, located in **Appendix J1.**

BIO-18 Common Raven Monitoring, Management, and Control

As requested by the CPM on August 15, 2016, a spreadsheet including the raw data is provided with this annual report for BIO-18. Please see the separate Excel spreadsheet containing 2019 raw data for the BIO-18 report. Common Raven Monitoring, Management, and Control Plan annual report is included in the Biological Resources section of the ACR, located in **Appendix J2.**

HAZ-1 Hazardous Materials List

The project owner shall not use any hazardous materials not listed in Appendix A (Hazardous Materials Proposed for Use at AMS During Operations), below, or in greater quantities or strengths than those identified by chemical name in Appendix A (Hazardous Materials Proposed for Use at AMS During Operations), below, unless approved in advance by the Compliance Project Manager (CPM). The project owner shall provide to the CPM, in the Annual Compliance Report, a list of hazardous materials contained at the facility.
HAZ1-05-00, submitted to the CPM on 11/01/2019, included the updated Hazardous Materials List; it is attached hereto as **Appendix K**. MSP just submitted a new more updated list to the San Bernardino County Fire Department through the California Environmental Reporting System (CERS). As soon as we receive their approval, we will submit it to the CEC CPM.
See also the attachment for AQ-54, Gasoline and Diesel delivery for MSP for 2019, **Appendix F.**

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Hinkley, California 92347

HAZ-2, Hazardous Materials Business Plan (HMBP), Spill Prevention, Control, and Countermeasure (SPCC) Plan, and a Process Safety Management (PSM) Plan

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 (HMBP), Spill Prevention, Control, and Countermeasure (SPCC) Plan, and a Process Safety Management (PSM) Plan to the CPM for approval.
HAZ2-08-03 was submitted to CPM on 11/14/2018, to update each of these plans, as part of ongoing reporting required by the California Energy Commission's Conditions of Certification for the Mojave Solar Project. As mentioned above, MSP just submitted a new more updated list to the San Bernardino County Fire Department through the California Environmental Reporting System (CERS). As soon as we receive their approval, we will submit it to the CEC CPM.

HAZ-6, Site Security

At least thirty (30) days prior to the initial receipt of hazardous materials on site, the project owner shall notify the CPM that a site-specific 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 that updated certification statements have been 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. Please see attachment for the vendor and operations companies' certification statements. **Appendix L.**

WASTE-9, Operation Waste Management Plan

The project owner shall submit the Operation Waste Management Plan to the CPM for approval no less than 30 days prior to the start of project operation. The project owner shall submit any required revisions to the CPM within 20 days of notification from 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.

All hazardous materials produced onsite were disposed of at an external disposal facility. Please see the waste manifests from 2019 in **Appendix M.**

WASTE-11, Cooling Tower Basin Sludge Test Results

The project owner shall ensure that the cooling tower basin sludge is tested pursuant to Title 22, California Code of Regulations, and section 66262.10 and report the findings to the CPM. The handling, testing, and disposal methods for sludge shall be identified in the Operation Waste Management Plan required in Condition of Certification **WASTE-9**. The project owner shall report the results of filter cake testing to the CPM within 30 days of sampling. If two consecutive tests show that the sludge is non-hazardous, the project owner may apply to the CPM to discontinue testing. The test results and method and location of sludge disposal shall also be reported in the Annual Compliance Report required in Condition of Certification WASTE-9. WASTE-11-01-00 Submittal for filter cake testing for Alpha WTP submitted to CPM on 11/17/2014, CPM approved on 05/04/2015.
The project owner shall report the results of filter cake testing to the CPM within 30 days of sampling. If two consecutive tests show that the sludge is non-hazardous, the project owner may apply to the CPM to discontinue testing. The test results and method and location of sludge disposal shall also be reported in the Annual Compliance Report required in Condition of Certification WASTE-9. Because the Filter cake is not a Hazardous Material, we are sending it to a Nursery Products company in Hinkley for a compost fabrication.

SOIL&WATER-1, Drainage, Erosion, and Sedimentation Control Plan (DESCP)

Once operational, the project owner shall provide in the annual compliance report information on the results of storm water BMP monitoring and maintenance activities. The project owner shall also indicate what maintenance activities were completed to maintain the project's on-site storm water flow.
Provide an analysis on the effectiveness of the drainage, erosion, and sediment control measures and the results of monitoring and maintenance activities.
MSP received the receipt notice from the California Water Board for the Notice of Non-Applicability (NONA). The existing fiber rolls and swales continued being monitored, maintained, and replaced as needed. The BMP's were effective in preventing sediment run off from the site. Sand removal along tortoise fences was done monthly. Please see attachments, which include the Annual Channel Maintenance Report SWPPP Summary and weekly Operation Site Storm Water Runoff Control Inspection forms signed by the project QSP, in **Appendix N.**

SOIL&WATER-3 Channel Maintenance Plan

At least sixty (60) days before the start of project operation, the AMS project shall submit to the CPM a Channel Maintenance Plan for review and approval. The AMS project shall provide written notification to the CPM at least sixty (60) days in advance of any planned changes to the Channel Maintenance Plan.
In addition, the project owner shall:
1. Implement the Channel Maintenance Plan in Item D (Channel Maintenance Plan and Reporting);
2. Ensure that the AMS project Construction and Operations Managers receive training on the Channel Maintenance Plan; and
3. As part of the AMS project Annual Compliance Report, submit an Annual Channel Maintenance Report that specifies which maintenance activities were completed during the year including type of work, location, and measure of the activity (e.g. cubic yards of sediment removed).
Annual channel maintenance training and maintenance records are located in **Appendices N and O**, respectively.

SOIL&WATER-5, Operations Water Use

The project owner shall prepare an annual summary report, which will include maximum daily and monthly usage in gallons per day and the total monthly and annual usage in acre-feet. Following the first year of operation, the annual summary report will summarize the annual usage in tabular form. For calculating the total water use, the term "year" will correspond to the date established for the annual compliance report submittal.
Water use calculations and records included in **Appendix P.**

SOIL&WATER-6 and 7

The project owner shall do all of the following:
1. At least sixty (60) days prior to project construction, the project owner shall submit to the CPM, for review and approval, a comprehensive plan (Groundwater Level Monitoring and Reporting Plan) presenting all the data and information required in Item A above. The project owner shall submit to the both the CPM all calculations and assumptions made in development of the plan.
2. During project construction, the project owner shall submit to the CPM quarterly reports presenting all the data and information required in Item B

above. The project owner shall submit to the CPM all calculations and assumptions made in development of the report data and interpretations.
3. No later than sixty (60) days after commencing project operation, the project owner shall provide to the CPM, for review and approval, documentation showing that any mitigation to private well owners during project construction was satisfied, based on the requirements of the property owner as determined by the CPM.
4. During project operation, the project owner shall submit to CPM, applicable quarterly, semi-annual, and annual reports presenting all the data and information required in Item C above. The project owner shall submit to the CPM all calculations and assumptions made in development of report data and interpretations, calculations, and assumptions used in development of any reports.
5. The project owner shall provide mitigation as described in Item D above, if the CPM's inspection of the monitoring information confirms project-induced changes to water levels and water level trends relative to measured pre-project water levels, and well yield has been lowered by project pumping. The type and extent of mitigation shall be determined by the amount of water level decline and site-specific well construction and water use characteristics. The mitigation of impacts will be determined as set forth in Item D above.
6. No later than 30 days after CPM approval of the well drawdown analysis, the project owner shall submit to the CPM for review and approval all documentation and calculations describing necessary compensation for energy costs associated with additional lift requirements.
7. The project owner shall submit to the CPM all calculations, along with any letters signed by the well owners indicating agreement with the calculations, and the name and phone numbers of those well owners that do not agree with the calculations.
8. If mitigation includes monetary compensation, the project owner shall provide documentation to the CPM that compensation payments have been made by March 31 of each year of project operation or, if a lump-sum payment is made, payment shall be made by March 31 of the following year. Within 30 days after compensation is paid, the project owner shall submit to the CPM a compliance report describing compensation for increased energy costs necessary to comply with the provisions of this condition.
9. After the first 5-year operational and monitoring period, and every subsequent 5-year period, the project owner shall submit a 5-year monitoring report to the CPM for review and approval. This report shall contain all monitoring data collected and provide a summary of the findings and a recommendation about whether the frequency of water level measurements should be revised or eliminated.
10. During the life of the project, the project owner shall provide to the CPM all monitoring reports, complaints, studies, and other relevant data within 10

days of being received by the project owner. DMP reports. SWAT6-23-00. 2018-2019 Annual and Second Semiannual Detection Monitoring Plan Report (09-AFC-5C) and SWAT6-24-00. 2019-2020 Semiannual Detection Monitoring Plan Report (09-AFC-5C) submittals sent to the LRWQCB, BLM, and CPM on July 30, 2019 and January 30, 2020 respectively.

SOIL&WATER-10, Non- transient, Non-community Water System Permit

The project owner shall obtain a permit to operate a non-transient, non-community water system with the County of San Bernardino at least sixty (60) days prior to commencement of construction at the site. The project owner shall supply updates annually for all monitoring requirements and submittals to County of San Bernardino related to the permit, and proof of annual renewal of the operating permit. Permanent permit submitted to the CEC under SWAT10-07-00 Domestic Water Supply Permits (09-AFC-5C) submittal on October 19th, 2017. Permits' annual renewal fees attached in **Appendix Q.**

SOIL&WATER-11, Free Production Allowance Sequestration

The volume of FPA sequestered shall be documented in the Annual Compliance Report submitted to the CPM and Watermaster. This documentation shall include a table showing the annual and cumulative total FPA sequestered.
Note that the Annual Report of the Mojave Basin Watermaster for the prior water year is not issued until approximately May 1 of the following year, so the calculation included is for water use for the 2018-2019 Water Year (Oct. 2018 – Sep. 2019), as the report for Oct. 2018 – Sep. 2019 will not be issued by the Watermaster until approximately May 1, 2020. Please see the separate Water Sequestration calculation spreadsheet and supporting information in **Appendix P**.
https://www.mojavewater.org/downloads.html

SOIL&WATER-12, Water Conservation Program Donation

The project owner shall do the following:
1. The project owner shall submit to the CPM the following documentation as part of the Annual Compliance Report:
a. A copy of the receipt from the MWA for the annual contribution; and
b. An accounting of the following:

i. The annual and cumulative volume of groundwater used by the project in acre-feet per year;
ii. The annual and cumulative volume of FPA sequestered by the project in acre-feet per year;
iii. The numerical difference between annual and cumulative totals in Items i and ii above; and
iv. The annual and cumulative monetary contribution and estimated annual and cumulative volume of water conserved by the project owner's contribution to MWA's turf replacement
program, high-efficiency toilet program, or other water conservation program approved by the CPM.
2. If the project owner proposes to reduce the amount of the annual contribution based on the water conservation achieved through previous contributions, the project owner shall provide a plan demonstrating how the adjusted amount will ensure the water conservation program meets the requirements of this condition. The plan shall be provided for CPM review and approval 60 days prior to the annual contribution anniversary date.
Please see attachments showing the donation is not required for 2019 in **Appendix P.**

LAND-1, Farmland Mitigation

The project owner shall provide a mitigation fee payment to an agricultural land trust such as the Transition Habitat Conservancy or any other land trust that has been previously approved by the Compliance Project Manager (CPM) prior to the start of construction. The fee payment will be determined by an independent appraisal conducted on available, comparable, farmland property on behalf of the agricultural land trust. The project owner shall pay all costs associated with the appraisal. The project owner shall provide documentation to the CPM that the fee has been paid and that the 128 acres of farmland and/or easements shall be purchased within three years of start of operation as compensation for the 128 acres of FMMP-designated Important Farmland to be converted by the AMS project. The documentation also shall guarantee that the land/easements purchased by the trust will be located in San Bernardino County and will be available in perpetuity for productive agricultural use. If no available land or easements can be purchased in San Bernardino County, then the purchase of lands/easements in other areas within western Mojave or adjacent counties, such as Kern County or Riverside County, is acceptable. The project owner shall provide to the CPM updates in the Annual Compliance Report on the status of farmland/easement purchase(s).
This was completed in full with submittal LAND1-03-00 submitted to the CPM on January 5, 2012. A summary for the annual report from the Transition Habitat Conservancy is located in Appendix J, following the BIO section.

NOISE-2, Noise Complaints

Within five days of receiving a noise complaint, the project owner shall file a Noise Complaint Resolution Form, shown below, with both the local jurisdiction and the CPM, that documents the resolution of the complaint. If mitigation is required to resolve the complaint, and the complaint is not resolved within a three-day period, the project owner shall submit an updated Noise Complaint Resolution Form when the mitigation is performed and complete.
No noise complaints were received by MS LLC during the reporting period.

VIS-1, Surface Treatment of Project Structures and Buildings

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.
No surface treatment maintenance activities occurred during the reporting period as there were none needed, only a fire protection application for the structure supporting the Turbine Generator Lube Oil System, as part of a recommendation issued by the insurance company.
No maintenance is currently scheduled for the 2020-year period besides finishing the fire protection coating at the lube oil area in both plants. A new staging area is planned to be constructed as requested in the submitted COMP14-05-00.

VIS-2, Off-Site Landscape Screening

The screening plan shall be submitted to the CPM for review and approval at least 90 days prior to installation. If the CPM determines that the plan requires revision, the project owner shall provide to the CPM a revised plan for review and approval by the CPM. The review of any subsequent revisions shall be completed by the CPM within 15 days of receipt of the revision.
The project owner shall notify the CPM within seven days after completing the installation that the screening is ready for inspection.
The project owner shall report maintenance activities, including replacement of plants that fail to thrive for the previous year of operation for a period of five year in each Annual Compliance Report. Six trees were replaced by MSLLC during the reporting period (2019 year). MSP also provided the owner of the house with a letter explaining the end of the mandatory period for this specific Permit's Compliance. **Appendix S.**

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VIS-3, Lighting Complaints

At least 90 days prior to ordering any exterior lighting, the project owner shall contact the CPM to show compliance with all of the above requirements. This shall include, but not be limited to, final lighting plans, fixture and control schedules, fixture and control cut sheets and specifications, a photometric plan showing vertical and horizontal foot-candle at all property lines a height of 20 feet, and the proposed time clock schedule. Prior to construction and prior to commercial operation, the project owner shall notify the CPM that the installation of the temporary and permanent lighting has been completed and is ready for inspection.
Within 48 hours of receiving a lighting complaint, the project owner shall provide the CPM with a complaint resolution form as specified in the Compliance General Condition including a proposal to resolve the complaint, and a schedule for implementation of the proposed resolution. The project owner shall notify the CPM within 48 hours after completing the resolution of the complaint.

A copy of the complaint resolution form report shall be submitted to the CPM within 30 days and included in the Annual Report.
No lighting complaints were received by MSLLC during the reporting period.

VIS-4, Screening Fence Maintenance

The screening plan shall be submitted to the CPM for review and approval at least 90 days prior to installation.
If the CPM determines that the plan requires revision, the project owner shall provide to the CPM a revised plan for review and approval by the CPM. The review of any subsequent revisions shall be completed by the CPM within 15 days of receipt of the revisions.

The project owner shall notify the CPM within seven days after completing the screening installation that the screening is ready for inspection.

The project owner shall report maintenance activities, including replacement of or destroyed screening for the previous year of operation in each Annual Compliance Report. No damage occurred to the screening fence, therefore no action needed during the reporting period. **Appendix S** without attachments for this topic.

Sincerely,

Jose Manuel Bravo Romero

Mojave Solar LLC
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Hinkley, California 92347

Manager
Compliance, Quality and Environment Department

ASI Operations LLC
Mojave Solar Project
42134 Harper Lake Rd
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jmanuel.bravo@atlanticayield.com

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Appendix A

Compliance 7

Annual Compliance Report delivery date agreement

Mojave Solar Project
Annual Compliance Report
San Bernardino County, California

2019 Reporting Period

José Manuel Bravo Romero

From: José Manuel Bravo Romero
Sent: jueves, 27 de octubre de 2016 15:13
To: 'Rundquist, Dale@Energy'
Cc: Nicholas Potrovitza; Enrique Guillen; Kathleen Sullivan; Adriana Valencia Endress; Neha Singh; Maria Elena Lopez
Subject: RE: Annual Compliance Reporting delivery date.

Thank you very much Dale.

Best regards.
José Manuel Bravo Romero. Manager. Compliance, Quality & Environmental Department.

ABENGOA
SOLAR
Mojave Solar
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Hinkley, CA 92347
Cell: (303) 378-7302
Office: (636) 519-3632 ext. 86242
jmanuel.bravo@abengoa.com

From: Rundquist, Dale@Energy [mailto:Dale.Rundquist@energy.ca.gov]
Sent: jueves, 27 de octubre de 2016 15:02
To: José Manuel Bravo Romero <jmanuel.bravo@abengoa.com>
Cc: Nicholas Potrovitza <nicholas.potrovitza@abengoa.com>; Enrique Guillen <Enrique.Guillen@atlanticayield.com>; Kathleen Sullivan <kathleen.sullivan@abengoa.com>; Adriana Valencia Endress <adriana.endress@atlanticayield.com>; Neha Singh <neha.singh1@abengoa.com>; Maria Elena Lopez <mariaelena.lopez@abengoa.com>
Subject: RE: Annual Compliance Reporting delivery date.

Hi José
Ok, the end of February it is.
Thank you,
Dale R.

Dale Rundquist
Compliance Project Manager
Siting, Transmission and Environmental Protection
California Energy Commission
1516 Ninth Street, MS-2000
Sacramento, CA 95814
Office (916) 651-2072
Cell (916) 661-8174
Dale.Rundquist@Energy.ca.gov

From: José Manuel Bravo Romero [mailto:jmanuel.bravo@abengoa.com]
Sent: Thursday, October 27, 2016 2:53 PM
To: Rundquist, Dale@Energy
Cc: Nicholas Potrovitza; Enrique Guillen; Kathleen Sullivan; Adriana Valencia Endress; Neha Singh; Maria Elena Lopez
Subject: RE: Annual Compliance Reporting delivery date.

Then,

Can be until the end of February? Just in case.

Thank you Dale.

Best regards.
José Manuel Bravo Romero. Manager. Compliance, Quality & Environmental Department.

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Mojave Solar
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Hinkley, CA 92347
Cell: (303) 378-7302
Office: (636) 519-3632 ext. 86242
jmanuel.bravo@abengoa.com

From: Rundquist, Dale@Energy [mailto:Dale.Rundquist@energy.ca.gov]
Sent: jueves, 27 de octubre de 2016 14:18
To: José Manuel Bravo Romero <jmanuel.bravo@abengoa.com>
Cc: Nicholas Potrovitza <nicholas.potrovitza@abengoa.com>; Enrique Guillen <Enrique.Guillen@atlanticayield.com>; Kathleen Sullivan <kathleen.sullivan@abengoa.com>; Adriana Valencia Endress <adriana.endress@atlanticayield.com>; Neha Singh <neha.singh1@abengoa.com>; Maria Elena Lopez <mariaelena.lopez@abengoa.com>
Subject: RE: Annual Compliance Reporting delivery date.

Hi José,
How about the first 45 days of the following reporting year? (that would make it about February 15).
The first 45 business days would extend it into March.
Would that work?
Thank you,
Dale R.

From: José Manuel Bravo Romero [mailto:jmanuel.bravo@abengoa.com]
Sent: Tuesday, October 25, 2016 10:45 AM
To: Rundquist, Dale@Energy
Cc: Nicholas Potrovitza; Enrique Guillen; Kathleen Sullivan; Adriana Valencia Endress; Neha Singh; Maria Elena Lopez
Subject: Annual Compliance Reporting delivery date.

Good morning Dale,

Following up on our conversation from last week about the Annual Compliance report delivery, we propose to deliver the ACR within the first 45 business days of the following reporting year.

Please, let us know if you agree with our proposal.

Thank you in advance.

Best regards.
José Manuel Bravo Romero. Manager. Compliance, Quality & Environmental Department.

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Appendix B

Compliance 5

Compliance Matrix

Mojave Solar Project
Annual Compliance Report
San Bernardino County, California

2019 Reporting Period

Document	**COMPLIANCE MATRIX**	**ASIO**
Project	**MOJAVE SOLAR PROJECT**	
Location	**Harper Lake, California**	

By	JMBR
Rev./Date	12/31/2019

Abbreviation
B W=Bob Wilson; M A=Mike Alhalabi; M K=Moe Karrit; P G=Patricia Garcia;
A T=Arpan Taylor, L B=Leonardo Bruno , L L=Luis Leal, BG=Bill Grisolia or Business Group [WFG as of 3/6/15]
MMC= Megan McCarthy SP=Steven Pochmara; MS=Matt Stucky; JMBR=Jose Manuel Bravo Romero et unico

Sort code key:	Pre-Cons.	Construction	Construction & Operations	Commissioning	Operations

EN Req	Applicable for KPI	Progress	EMS Plan link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submittal Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Drws/Docs	Actual Submittal Date Drws/Docs	Actual Approval Date Drws/Docs	(Submittal due to Change)	Approved As-Builts	Approved Inspection	COO
No	No	Accomplished	N/A	Continuous	N/A	N/A	COMPLIANCE-1	PC, CONS, COMM, OPS	Grant Site Access to CEC	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 onsite, for the purpose of conducting audits, surveys, inspections, or general site visits. Although the CPM will normally schedule site visits on dates and times agreeable to the project owner, the CPM reserves the right to make unannounced visits at any time.	As required	CEC	A/T+AS	Permitting	H B/S P	As Req	As Req	As Req		-	-	-
No	No	Accomplished	N/A	Continuous	N/A	N/A	COMPLIANCE-2	PC, CONS, COMM, OPS	Provide Copies on-site of all Drawings and Documents	Maintain project files on-site or at an alternative site approved by the CPM for the life of the project, unless a lesser period of time is specified by the Conditions. The files shall contain copies of all "as-built" drawings, documents submitted as verification for Conditions, and other project-related documents. Energy Commission staff and delegate agencies shall, upon request, be given unrestricted access to the files maintained pursuant to this Condition.	As required	CEC	A/T+AS	Permitting	H B/S P	As Req	As Req	As Req		-	-	-
No	No	Accomplished	N/A	Continuous	N/A	N/A	COMPLIANCE-3	PC, CONS, COMM, OPS	Provide Cover Letter and Transmittal of all Coorespondance to CEC	A cover letter 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. 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."	As required	CEC	A/T+AS	Permitting	H B/S P	As Req	As Req	As Req		-	-	-
No	No	Accomplished	N/A	Continuous	N/A	N/A	COMPLIANCE-3	PC, CONS, COMM, OPS	Provide Cover Letter and Transmittal of all Resubmittals to CEC	When submitting supplementary or corrected information, reference the date of the previous submittal and CEC submittal number. The project owner is responsible for the delivery and content of all verification submittals to the CPM, whether such Condition was satisfied by work performed by the project owner or an agent of the project owner.	As required	CEC	A/T+AS	Permitting	H B/S P	As Req	As Req	As Req		-	-	-
No	No	Accomplished	N/A	Continuous	N/A	N/A	COMPLIANCE-3	PC, CONS, COMM, OPS	Provide CEC Hard Copies of any Documents as Requested	Hard copy submittals shall be accompanied by a searchable electronic copy, on a CD or by e-mail, as agreed upon by the CPM.	As required	CEC	A/T+AS	Permitting	H B/S P	As Req	As Req	As Req		-	-	-
No	No	Accomplished	N/A	Continuous	N/A	N/A	COMPLIANCE-3	PC, CONS, COMM, OPS	Provide to CEC Request for Staff Action	If the project owner desires 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.	As required	CEC	A/T+AS	Permitting	H B/S P	As Req	As Req	As Req		-	-	-
No	No	Accomplished	N/A	Milestone	N/A	Prior to construction	COMPLIANCE-4	PC	Provide to CEC a Copy of Compliance Matrix	Prior to commencing construction, a compliance matrix addressing only conditions that must be fulfilled before the start of construction shall be submitted to the CPM. This matrix will be included in the 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.	Prior to construction	CEC	A/T+AS	Permitting	H B/S P	As Req	COMP 4-01-02 submitted to CEC 9-15-2010	COMP 4-01-02 Approved by CEC 09/17/2010		-	-	-
No	No	Accomplished	N/A	Recurrent	Annual	TBD once OPS start	COMPLIANCE-4	PC, CONS, COMM, OPS	Provide to CEC a Copy of the MCR During Construction and the ACR During Operations	There are two different compliance reports that must be submitted to assist the CPM in tracking activities and monitoring compliance with the terms and conditions of the Energy Commission Decision. During construction, submit Monthly Compliance Reports. During operation, an Annual Compliance Report (ACR) must be submitted. These reports, and the requirement for an accompanying compliance matrix, are described below. The majority of the Conditions of Certification require that compliance submittals be submitted to the CPM in the monthly or annual compliance reports.	MCR/ACR	CEC	A/T+AS	Permitting	H B/S P	As Req	02/28/18 COMP7-01-00, Mojave Solar Project 2017 Annual Compliance Report (09-AFC-5C)	Pending reception from the CEC. Still under review.		-	-	-
Yes	Yes	Accomplished	Compliance Matrix	Recurrent	Annual	23-Dec-15	COMPLIANCE-5	PC, CONS, COMM, OPS	Submit Compliance Matrix to CEC	A compliance matrix shall be submitted to the CPM along with each monthly and annual compliance report.	MCR/ACR	CEC	AS	Permitting	H B	Monthly	Monthly	Monthly		-	-	-
No	No	Accomplished	N/A	Recurrent	Monthly	Due one month following CEC meeting	COMPLIANCE-6	PC, CONS, COMM, OPS	Submit MCR Within 10 Working Days after End of Each Month	The first MCR is due one month following the Energy Commission business meeting date upon which the project was approved, unless otherwise agreed to by the CPM. The first MCR shall include the AFC number and an initial list of dates for each of the events identified on the Key Events List found at the end of this section of the Decision. During pre-construction and construction of the project, submit an original and an electronic searchable version of the MCR within 10 working days after the end of each reporting month. MCR shall be clearly identified for the month being reported.	10 working days after end of each month	CEC	A/T+AS	Permitting	H B/S P	Monthly	Monthly	Monthly		-	-	-
Yes	Yes	Accomplished	N/A	Recurrent	Annual	23-Dec-15	COMPLIANCE-7	COMM, OPS	ACR	ACR: After construction is complete, 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 the CPM each year at a date agreed to by the CPM. Annual Compliance Reports shall be compiled over the life of the project unless otherwise specified by the CPM.	Post COD - annually	CEC	AS	Permitting	ASI Staff	Post COD - annually	8/16/19 COMP07-02-00 02/28/18 COMP7-01-00 Mojave Solar Project 2017 Annual Compliance Report (09-AFC-5C)	As Req		-	-	-
No	No	Accomplished	N/A	Continuous	N/A	N/A	COMPLIANCE-8	PC, CONS, COMM, OPS	Submit Confidential Information to CEC per Title 20 Confidentiality Regulations	Confidential Information: Any information that the project owner deems confidential shall be submitted to the Energy Commission's Executive Director 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.	As required	CEC	A/T + AS	Permitting	ASI Staff	As Req	As Req	As Req		-	-	-
No	No	Accomplished	N/A	Recurrent	Annual	Thereafter by July 1	COMPLIANCE-9	PC, CONS, COMM, OPS	ASI to Pay Annual Energy Compliance Fee	Annual Energy Facility Compliance Fee: Pursuant to the provisions of section 25806(b) of the Public Resources Code, the project owner is required to pay an annual compliance fee, which is adjusted annually.	Day of Comm. Dec., Annually thereafter by July 1	CEC	AS	ASI	ASI Staff	As Req	07/01/2013, Invoice #2161	As Req		-	-	-
No	No	Accomplished	N/A	Milestone	N/A	Prior to construction	COMPLIANCE-10	PC	ASI to Notify All Residents Within 1 Mile of Project of Contact Information to Make Complaints or Address Concerns	Reporting 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. . 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 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 the CPM, who will update the web page.	Prior to construction	CEC	A/T + AS	Permitting	H B/S P	7/30/2011	6/30/2011	7/30/2011		-	-	-
No	No	Accomplished	N/A	Continuous	N/A	N/A	COMPLIANCE-10	PC, CONS, COMM, OPS	Address All Complaints Within 24 Hours	All recorded complaints shall be responded to within 24	within 24 hours of receipt	CEC	AS	ASI	ASI Staff	As Req	As Req	As Req	12/11/2018 COMP10-00-05	-	-	-
No	No	Accomplished	N/A	Continuous	N/A	N/A	COMPLIANCE-10	PC, CONS, COMM, OPS	Submit Any New Telephone Number to CEC Immediately	Any changes to the telephone number shall be submitted immediately to the CPM, who will update the web page.	As required	CEC	AS	ASI	ASI Staff	As Req	As Req	As Req		-	-	-
No	No	Accomplished	N/A	Continuous	N/A	N/A	COMPLIANCE-10	PC, CONS, COMM, OPS	Provide CEC Copies of All Complaints and Violations Within 10 Days	In addition to the monthly and annual compliance reporting requirements described above, the project owner shall report and provide copies to 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 be recorded on the complaint form located at the end of this section.	within 10 days of receipt	CEC	AS	ASI	ASI Staff	As Req	As Req	As Req		-	-	-
No	No	N/A	N/A	Milestone	N/A	12 months (or other agreed date) prior to closure activities	COMPLIANCE-11	OPS	Notify CEC 12 Months (or other agreed-upon period) of Planned Closure of Plant	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 proposed facility closure plan to the Energy Commission for review and approval at least 12 months (or other period of time agreed to by the CPM) prior to commencement of closure activities. The project owner shall file 120 copies (or other number of copies agreed upon by the CPM) of a proposed facility closure plan with the Energy Commission.	12 months (or other period of time agreed to by the CPM) prior to commencement of closure activities	CEC	AS	ASI	ASI Staff	As Req	As Req	As Req		-	-	-

EN Req	Applicable for KPI	Progress	EMS Plan link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submittal Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Drws/Docs	Actual Submittal Date Drws/Docs	Actual Approval Date Drws/Docs	(Submittal due to Change)	Approved As-Builts	Approved Inspection	COO
No	No	N/A	N/A	Milestone	N/A	Prior to submittal of closure plan	COMPLIANCE-11	OPS	Submit Proposed Closure Plan to CEC	Prior to submittal of the proposed facility closure plan, a meeting shall be held between the project owner and the Energy Commission CPM for the purpose of discussing the specific contents of the lan. In the event that there are significant issues associated with the proposed facility closure plan's approval, or the desires of local officials or interested parties are inconsistent with the plan, the CPM shall hold one or more workshops and/or the Energy Commission may hold public hearings as part of its approval procedure.	Prior to submittal of closure plan	CEC	AS	ASI	ASI Staff	As Req	As Req	As Req		-	-	-
No	No	Accomplished	N/A	Milestone	N/A	60 days prior to commercial operation	COMPLIANCE-12	COMM	Submit Unplanned/Temp Closure and Contingency Plan to CEC	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 CPM review and approval. The plan shall be submitted no less than 60 days (or other time agreed to by the CPM) prior to commencement of commercial operation. The approved plan must be in place prior to commercial operation of the facility and shall be kept at the site at all times.	60 days prior to commercial operation	CEC	AS	ASI			06/06/2014 Submittal COMP12-00-00 Onsite Contingency Plan for Unplanned Temporary Closure	09/08/2014 Approval COMP12-00-00 05/04/2016 COMP12-01-00 On-site Contingency Plan for Unplanned Temporary Closure Rev. 1 Revised for Review and Approval		-	-	-
No	No	N/A	N/A	Recurrent	Annual	TBD once OPS start	COMPLIANCE-12	OPS	Submit Updates of Contingency Plan to CEC as Necessary	The project owner, in consultation with the CPM, will update the on-site contingency plan as necessary. 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 the CPM. The on-site contingency plan shall provide for taking immediate steps to secure the facility from trespassing or encroachment. In addition, for closures of more than 90 days, unless other arrangements are agreed to by 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.	ACR	CEC	AS	ASI	ASI Staff	As Req	As Req	As Req		-	-	-
No	No	N/A	N/A	Milestone	N/A	Within 24 hours of unplanned temporary closure	COMPLIANCE-12	OPS	Notify Agencies of Unplanned/Temp Closure	In the event of an unplanned temporary closure, the project owner shall notify 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 the CPM informed of the circumstances and expected duration of the closure.	within 24 hours of unplanned temporary closure	CEC, SBCFD	AS	ASI	ASI Staff	As Req	As Req	As Req		-	-	-
No	No	N/A	N/A	Milestone	N/A	within 90 days of CPM determination	COMPLIANCE-12	OPS	Present Permanent Closure Plan	If the CPM determines that an unplanned temporary closure is likely to be permanent, or for a duration of more than 12 months, a closure plan consistent with the requirements for a planned closure shall be developed and submitted to the CPM within 90 days of the CPM's determination (or other period of time agreed to by the CPM).	within 90 days of CPM determination	CEC	AS	ASI	ASI Staff	As Req	As Req	As Req		-	-	-
No	No	N/A	N/A	Milestone	N/A	61 days prior to commercial operation	COMPLIANCE-13	OPS	Submit Proposed Closure Plan to CEC that also includes Permanent Measures	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 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 the CPM informed of the status of all closure activities.	60 days prior to commercial operation	CEC	AS	ASI	ASI Staff	5/1/2014	-	-		-	-	-
No	No	N/A	N/A	Continuous	N/A	N/A	COMPLIANCE-14	PC, CONS, COMM, OPS	Petition CEC for any Post Cert Changes per Title 20	Post Certification Changes to the Energy Commission Decision: Amendments, Ownership Changes, Staff Approved Project Modifications 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. It is the responsibility of the project owner to contact 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 Energy Commission, or Energy Commission staff approval, may result in enforcement action that could result in civil penalties in accordance with section 25534 of the Public Resources Code. (See COC)	As required	CEC	A/T + AS	ASI	ASI Staff/ A/T	As Req	As Req 7/20/11	As Req 5/22/13	10/10/19 COMP14-05-00 New staging area MSP (09-AFC-5C)	-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to ground disturbance	AQ-SC1	PC	Provide Name of on-site AQCMM	Submit to the CPM for approval the name, resume, qualifications and contact information for the onsite AQCMM and all Delegates.	30 days prior to ground disturbance	CEC	AS	ASI	M S	7/29/2011	6/29/2011	7/29/2011	CEC Approval 06.11.13 AQ-SC 1-07-00	-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to ground disturbance	AQ-SC2	PC	Provide AQCMP plan	Submit AQCMP to CPM for approval. Include effectiveness and environmental data for the proposed soil stabilizer. CPM will notify of any necessary modifications to the plan within 15 days from the date of receipt.	30 days prior to ground disturbance	CEC	A/T + AS	ASI/CH2M	M S	-	AQSC2-02-00 CEC Submittal 7-19-2011 AQSC2-01-00 CEC Submittal 03/01/2011	8/17/2011 AQSC2-02-00 CEC Approval		-	-	-
Yes	No	Accomplished	N/A	Recurrent	Monthly	MCR	AQ-SC3	CONS	Provide Any Dust Control Complaints on a Monthly Basis	Provide the CPM the following to demonstrate control of fugitive dust emissions: A summary of all actions taken to maintain compliance with this condition; Copies of any complaints filed with the District in relation to project construction; and Any other documentation deemed necessary by the CPM and AQCMM to verify compliance with this condition. Such information may be provided via electronic format or disk.	MCR	CEC, AQCMM	(AS)	ASI/CH2M	H B	Monthly	Monthly	Monthly		-	-	-
Yes	No	Accomplished	N/A	Recurrent	Monthly	MCR	AQ-SC4	CONS	Provide Any Dust Control Complaints on a Monthly Basis	Provide a summary of all actions taken to maintain compliance with this condition; copies of any complaints filed with the District in relation to project construction; and any other documentation deemed necessary by the CPM and AQCMM to verify compliance with this condition.	MCR	CEC, AQCMM	(AS)	ASI/CH2M	H B	As Req	As Req	As Req		-	-	-

EN Req	Applicable for KPI	Progress	EMS Plan link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submittal Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Drws/Docs	Actual Submittal Date Drws/Docs	Actual Approval Date Drws/Docs	(Submittal due to Change)	Approved As-Builts	Approved Inspection	COO
Yes	No	N/A	N/A	Recurrent	Monthly	N/A	AQ-SC5	CONS	Provide List of on-site Heavy Equipment on a Monthly Basis	Include the following to demonstrate control of diesel construction-related emissions: summary of all actions taken to control diesel construction related emissions; 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 any other documentation deemed necessary by the CPM or AQCMM to verify compliance with this condition. Such information may be provided via electronic format or disk.	MCR	CEC, AQCMM	(AS)	AS/CH2M	H B	As Req	As Req	As Req		-	-	-
Yes	No	Accomplished	Onsite vehicle and equipment fleet Plan	Milestone	N/A	30 days prior to COD	AQ-SC6	COMM	Provide Onsite Vehicle and Equipment Fleet Plan	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.	30 days prior to COD	CEC	AS	ASI	H B	6/1/2014	07/08/2014 AQSC6-00-01 submittal Onsite Vehicle and Equipment Fleet Plan	-	09/17/2014 Submittal AQSC6-00-02 Additional Crane Information Onsite Vehicle and Equipment Fleet Plan 08/06/2014 AQSC6-00-01 Submittal Revised Onsite Vehicle & Equipment Fleet Plan	09/18/2014 Approval AQSC6-00-02 Additional Crane Information Onsite Vehicle and Equipment Fleet Plan	-	-
Yes	Yes	Accomplished	Onsite vehicle and equipment fleet Plan	Recurrent	Annual	23-Dec-15	AQ-SC6	OPS		The plan shall be updated every other year.	ACR	CEC	AS	ASI	H B	-	-	-		-	-	-
Yes	No	Accomplished	ODCP	N/A	N/A	N/A	AQ-SC7	COMM	Provide ODCP plan for Dust Control and Evironmental procedures	Submit to CPM for review and approval a copy of site ODCP 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.	30 days prior to COD	CEC	AS	ASI	H B/B W	6/1/2014	08/20/2014 AQSC7-00-00 Submittal Operations Dust Control Plan	10/10/2014 AQSC7-00-00 Approval Operations Dust Control Plan	2/2/15 Submittal AQSC7-00-01 Operations Dust Control Plan Rev 2	2/26/15 Approval AQSC7-00-01 Operations Dust Control Plan Rev 2	-	-
Yes	Yes	Accomplished	Reports of speed limits signal locations/Manual for employee and contractor training on dust and erosion control	Milestone	N/A	60 days after COD	AQ-SC7	OPS	Provide Report Identifying Locations of all site speed limit signs	Provide CPM a report indentifying 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.	60 days after COD	CEC	AS	ASI	H B	6/1/2014	-	2/26/15 Approval AQSC7-00-01 Operations Dust Control Plan Rev 2		-	-	-
Yes	Yes	Accomplished	N/A	Milestone	N/A	When proposed permits modifications, within 5 days of the submittal or receipt	AQ-SC8	CONS & OPS	Provide Federal Air Permit Modifications	Submit any ATC, PTO, and proposed federal air permit modifications to the CPM within five working days of its submittal either by 1) the project owner to an agency, or 2) receipt of proposed modifications from an agency. Submit all modified ATC/PTO documents and all federal air permits to the CPM within 15 days of receipt.	Within 5 days of its submittal or receipt	CEC	A/T + AS	ASI/AECOM	H B/B W	As Req	191001 AQSCB-11-00 180911 AQSCB-10-00 4-11-14 CEC Submittal (MDAQMD ATC GAS	5-16-14 CEC Approval AQ-SCB (MDAQMD ATC Documentation) AQSCB-03-00		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	Prior to initial grading	AQ-SC9	PC	Provide Signed ASI Documentation that Residents were notified and offered Relocation	Provide to the CPM, a statement signed by the project owner's project manager stating that the owner or residents of the properties affected by this condition have been notified and that the residents have been offered paid relocation during the affected period of the initial grading/site preparation phase of construction. The statement shall list affected property owners/residents notified and the means of notification.	Prior to initial grading	CEC	AS	ASI	M S	6/30/2011	6/30/2011	AQ SC 9 CEC Approved 07.28.2011		-	-	-
Yes	No	Accomplished	N/A	Recurrent	Monthly	MCR	AQ-SC9	CONS	Provide Documentation from Residents	Provide documentation regarding any requests from the residents to be relocated for longer periods during construction and the actions taken to evaluate those requests.	MCR	CEC	AS	ASI	H B	None received.	-	-		-	-	-
							Two HTF Ullage/Expansion Systems															
Yes	Yes	Accomplished	Operation of Overflow and Expansion System Procedure/Temperature of HTF Records	Continuous	N/A	N/A	AQ-9	COMM/OPS	Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.	HTF Ullage/Expansion System, operation: Make the site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	As required	District, ARB, CEC	AS									
Yes	Yes	Accomplished	Operation of Overflow and Expansion System Procedure/Records of Expansion System	Continuous	N/A	N/A	AQ-10	COMM/OPS	This system shall store only HTF in liquid and/or vapor phase (including low boilers and high boilers), and nitrogen for blanketing.	The project owner shall make the site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	As required	District, ARB, CEC	A/T + AS									
Yes	Yes	Accomplished	Operation of Overflow and Expansion System Procedure/Records of the expansion tanks nitrogen blanket	Continuous	N/A	N/A	AQ-11	COMM/OPS	The four (4) vertical expansion vessels, low-boiler condensate receiver vessel, and two (2) vertical HTF overflow tanks shall be operated at all times under a nitrogen blanket.	The project owner shall make the site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	As required	District, ARB, CEC	A/T + AS									
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to installation of ullage/expansion vent system	AQ-12	CONS & OPS	The ullage/expansion system nitrogen venting shall be carried out only through District permit numbers C012015 and C012016	The project owner shall provide the District and CPM manufacturer design specifications showing compliance with this condition at least 30 days prior to the installation of the ullage/expansion vent system.	30 days prior to installation of ullage/expansion vent system	District, CEC	A/T									
No	No	N/A	N/A	N/A	N/A	N/A	AQ-13	CONS & OPS	Reserved													
No	No	N/A	N/A	N/A	N/A	N/A	AQ-14	CONS & OPS	Reserved													
No	No	N/A	N/A	N/A	N/A	N/A	AQ-15	CONS & OPS	Reserved													
Yes	Yes	Accomplished	HTF System: Inspection, Monitoring and Maintenance Plan	Milestone	N/A	30 days before delivery of HTF	AQ-16	CONS & OPS	Inspection and Maintenance Plan to include: a. All pumps, compressors and pressure relief devices (pressure relief valves or rupture disks) shall be electronically, audio, or visually inspected once every operating day. b. All accessible valves, fittings, pressure relief devices (PRDs), hatches, pumps, compressors, etc. shall be inspected quarterly using a leak detection device such as a Foxboro OVA 108 calibrated for methane. c. Inspection frequency for accessible components, except pumps, compressors and pressure relief valves, may be changed from quarterly to annual when two percent or less of the components within a component type are found to leak during an inspection for five consecutive quarters. d. Inspection frequency for accessible components, except pumps, compressors and pressure relief valves, shall be increased to quarterly when more than two percent of the components within a component type are found to leak during any inspection or report. e. If any evidence of a potential leak is found the indication of the potential leak shall be eliminated within 7 calendar days of detection. f. VOC leaks greater than 10,000-ppmv shall be repaired within 24-hours of detection. g. After a repair, the component shall be re-inspected for leaks as soon as practicable, but	The project owner shall establish an inspection and maintenance program to determine, repair, and log leaks in HTF piping network and expansion tanks. Inspection and maintenance program and documentation shall be available to District staff upon request. a. All pumps, compressors and pressure relief devices (pressure relief valves or rupture disks) shall be electronically, audio, or visually inspected once every operating day. b. All accessible valves, fittings, pressure relief devices (PRDs), hatches, pumps, compressors, etc. shall be inspected quarterly using a leak detection device such as a Foxboro OVA 108 calibrated for methane. c. Inspection frequency for accessible components, except pumps, compressors and pressure relief valves, may be changed from quarterly to annual when two percent or less of the components within a component type are found to leak during an inspection for five consecutive quarters. d. Inspection frequency for accessible components, except pumps, compressors and pressure relief valves, shall be increased to quarterly when more than two percent of the components within a component type are found to leak during any inspection or report. e. If any evidence of a potential leak is found the indication of the potential leak shall be eliminated within 7 calendar days of detection. f. VOC leaks greater than 10,000-ppmv shall be repaired within 24-hours of detection. g. After a repair, the component shall be re-inspected for leaks as soon as practicable, but no later than 30 days after the date on which the component is repaired and placed in service. h. The project owner shall maintain a log of all VOC leaks exceeding 10,000-ppmv, including location, component type, date of	30 days before delivery of HTF		A/T + AS				5/28/2013 Approval AQ16-00-00			
Yes	Yes	Accomplished	HTF System: Inspection, Monitoring and Maintenance Plan Records	Recurrent	Annual	ACR	AQ-16	OPS	HTF Log; see above	Provide the quantity of used HTF fluid removed from the system and the amount of new HTF fluid added to the system each year.	ACR	CEC	A/T + AS									

EN Req	Applicable for KPI	Progress	EMS Plan link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submittal Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Drws/Docs	Actual Submittal Date Drws/Docs	Actual Approval Date Drws/Docs	(Submittal due to Change)	Approved As-Builts	Approved Inspection	COO
Yes	Yes	Accomplished	HTF System: Inspection, Monitoring and Maintenance Plan Records	Continuous	N/A	N/A	AQ-16	OPS	See above	Make the site available for inspection of HTF piping Inspection and Maintenance Program records and HTF system equipment by representatives of the District, ARB, and the Energy Commission.	As required	District, ARB, CEC	AS									
No	No	N/A	N/A	N/A	N/A	N/A	AQ-17	COMM	Reserved													
No	No	N/A	N/A	N/A	N/A	N/A	AQ-18	COMM	Reserved													
No	No	N/A	N/A	N/A	N/A	N/A	AQ-19	OPS	Reserved													
No	No	N/A	N/A	N/A	N/A	N/A	AQ-20	OPS	Reserved													
Yes	Yes	Accomplished	Toxic and hazardous substances Compliance Plan	Milestone	N/A	When a non criteria substance become regulated as toxic or hazardous	AQ-21	OPS	The project owner shall submit a compliance plan of the toxic or hazardous substances for District approval and CPM review if current non-criteria substances in the HTF become regulated as toxic or hazardous substances.	Toxic or Hazardous Substance Compliance Plan for Newly Regulated Materials If current non-criteria substances become regulated as toxic or hazardous substances and are used in this equipment, the project owner shall submit to the District a plan demonstrating how compliance will be achieved and maintained with such regulations.	As required	District	AS									
							Cooling Towers															
Yes	Yes	Accomplished	Cooling Tower Startup, normal, and night-time operation Procedure	Continuous	N/A	N/A	AQ-22	OPS	Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.	Make site available for inspection of records and equipment by representatives of the District, ARB, and the Energy Commission.	As required	District, ARB, CEC	AS									
Yes	Yes	Accomplished	Cooling Tower Startup, normal, and night-time operation Procedure	Continuous	N/A	N/A	AQ-23	OPS	This equipment shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound engineering principles	The project owner shall make the site available for inspection of records and equipment by representatives of the District, ARB, and the Energy Commission.	As required	District, ARB, CEC	AS									
Yes	No	Accomplished	Cooling Tower Startup, normal, and night-time operation Procedure	Continuous	N/A	N/A	AQ-24	COMM	The drift rate shall not exceed 0.0005 percent with a maximum circulation rate of 90,000 gallons per minute. The maximum hourly PM10 emission rate shall not exceed 2.24 pounds per hour, as calculated per the written District-approved protocol.	The manufacturer guarantee data for the drift eliminator, showing compliance with this condition, shall be provided to the CPM and the District.	30 days prior to cooling tower operation	District, CEC	A/I				10/07/2013 Submittal AQ24-00-00 MDAQMD Drift Eliminator Calculations 05/28/2013 Submittal	10/07/2013 Approval AQ24-00-00 MDAQMD Drift Eliminator Calculations 06/11/2013 Approval AQ24-00-00				
Yes	Yes	Accomplished	Cooling Tower Startup, normal, and night-time operation Procedure/Cooling Tower Operating Emissions Rate Log Records	Recurrent	Annual	25-dec-15	AQ-24	OPS	Cooling Tower Operating Emissions Rate Log	See above: As part of the Annual Compliance Report the project owner shall include information on operating emission rates to demonstrate compliance with this condition.	ACR	CEC	AS									
Yes	Yes	Accomplished	Cooling Tower Conductivity Test Results	Milestone/Recurrent	30 days prior to COD/Weekly/Quaterly	25-dec-15	AQ-25	COMM & OPS	Cooling Tower Recirculation Water TDS Content Test Results- Weekly and Quarterly Logs	The total dissolved solides (TDS) from the blowdown water shall not exceed 10,000 ppm on a calendar monthly basis. To verify compliance, weekly TDS measurement will be performed using a Hach MP-6 portable meter (or equivalent as approved by the District). The meter must be calibrated monthly to manufacturer specifications. At least 30 days prior to the start of commercial operation, the project owner should submit to the CPM a copy of the meter specifications and the calibration methodology. The TDS content test results shall be provided to representatives of the District, ARB, and the Energy Commission upon request.	As required	District, ARB, CEC	A/T + AS				10/31/2014 Submittal AQ25-00-00 TDS Meter Specs & Calibration	11/05/14 Approval AQ25-00-00 TDS Meter Specs & Calibration				
Yes	Yes	Accomplished	Cooling Tower Conductivity Test procedure	Milestone	N/A	Before COD	AQ 25	COMM & OPS	Conductivity test procedure				A/T									
Yes	No	Accomplished	Cooling Tower Water Tests and Emissions Calculation Protocol	Recurrent	N/A	30 days prior to cooling tower water test	AQ-26	COMM	Cooling Tower Emissions Calculation and Water Sample Testing Protocol	The project owner shall conduct all required cooling tower water measurements in accordance with a District-approved measurement and emissions calculation protocol. Thirty (30) days prior to the first such measurement, the project owner shall provide a written measurement and emissions calculation protocol for District review and approval. The project owner shall provide an emissions calculation and water sample measurement protocol to the District for approval and CPM for review at least 30 days prior to the first	30 days prior to cooling tower water test	District	A/T				11/17/2014 Submittal AQ26-01-00 Cooling Tower TDS Measurement and Emissions Calculation Protocol (revised)	12/03/2014 Approval AQ26-01-00 Cooling Tower TDS Measurement and Emissions Calculation Protocol (revised)				
Yes	Yes	Accomplished	Cooling Tower Startup, normal, and night-time operation Procedure	Continuous	N/A	N/A	AQ-27	COMM/OPS		This equipment shall not be operated for more than 5,840 hours per rolling twelve month period.	ACR	CEC	A/T + AS									
Yes	Yes	Accomplished	Cooling Tower Operating Records/Cooling Tower Water Tests and Emissions Calculation Results	Continuous	N/A	N/A	AQ-28	OPS	Cooling Tower Operating Data Log	The project owner shall maintain an operations log for this equipment on-site and current for a minimum of five (5) years, and said log shall be provided to District personnel on request. The operations log shall include the following information at a minimum: a. Total operation time (hours per day, hours per month, and hours per rolling twelve month period); and b. The date and result of each blow-down water measurement in TDS ppm, andthe resulting mass emission rate.	As required	District, ARB, CEC	AS									
Yes	Yes	Accomplished	Cooling Tower Startup, normal, and night-time operation Procedure	Milestone	N/A	Before COD	AQ-29	COMM/OPS	Cooling Tower Maintenance Procedure	A maintenance procedure shall be established that states how often and what procedures will be used to ensure the integrity of the drift eliminators. This procedure is to be kept onsite and available to District personnel on request.	As required	District	A/T + AS									
							Two 2,280 kW Emergency IC Engine															
Yes	Yes	Accomplished	N/A	Continuous	N/A	N/A	AQ-29a	OPS	Engine Type	This engine shall be a US EPA Tier 2 certified, non-road compression ignition engine, as evidenced by the manufacturer's engine tag.	As required	District, ARB, CEC	AS									
Yes	Yes	Accomplished	Emergency Generator Installation, Operation and Maintenance Procedure	Continuous	N/A	N/A	AQ-30	OPS	Emergency Generator Operating Log, Records and External Inspection or Visit Procedure	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.	As required	District, ARB, CEC	A/T + AS									
Yes	No	Accomplished	Emergency Generator Installation, Operation and Maintenance Procedure	Milestone	Monthly	Before COD	AQ-30	CONS & COMM	Evidence of installation in accordance with manufacturer specifications and sound engineering principals		As required	District, ARB, CEC	A/T									
Yes	No	Accomplished	Emergency Generator Installation, Operation and Maintenance Procedure	Milestone	N/A	Before COD	AQ-30	CONS & COMM	Operations and Maintenance Manual		As required	District, ARB, CEC	A/T									
Yes	Yes	Accomplished	Emergency Generator Installation, Operation and Maintenance Procedure/Fuel Purchase Records Log	Continuous	N/A	N/A	AQ-31	COMM/OPS	Fuel Purchase Records Log	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. The project owner shall make the site available for inspection of equipment and fuel purchase records by representatives of the District, ARB, and the Energy Commission.	As required	District, ARB, CEC	A/T + AS									
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to installation of engine	AQ-32	CONS	Hour Meter Specifications	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)). Provide the District and the CPM the specification of the hour meter.	30 days prior to installation of engine	District, CEC	A/T									
Yes	Yes	Accomplished	Emergency Generator Installation, Operation and Maintenance Procedure/Emergency Generator Operating Time Records	Continuous	N/A	N/A	AQ-33	OPS	Emergency Engine Use	This unit shall be limited to use for emergency power, defined as in response to a fire or when utility back-feed power is not available. In addition, this unit shall be operated no more than 0.5 hours per day and 50 hours per year for testing and maintenance, excluding compliance source testing. There is no limit on engine operation for emergency use.	As required	District, ARB, CEC	A/T + AS									

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Yes	Yes	Accomplished	Emergency Generator Operating Time Records/Emergency Generator Operating Log	Recurrent	Annual	25-dec-15	AQ-34	OPS	Emergency Generator Operating Log, Fuel Purchase Logs, Records and External Inspection or Visit Procedure	The project owner shall maintain a operations log for this unit (current and on-site, either at the engine location or at a on-site location, for a minimum of two (2) years, and for another year where it can be made available to the District staff within five (5) working days from the District's request, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below: a. Date of each use and duration of each use (in hours); b. Reason for use (testing & maintenance, emergency, required emission testing); c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and, d. Fuel sulfur concentration (the project owner may use the supplier's certification of sulfur content if it is maintained as part of this log). The project owner shall submit records required by this condition that demonstrating compliance with the sulfur content and engine use limitations of conditions AQ-31 and AQ-32 in the Annual Compliance Report, including a photograph showing the annual reading of engine hours. The project owner shall make the site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	ACR	District, ARB, CEC	A/T + AS								
Yes	Yes	Accomplished	N/A	Continuous	N/A	N/A	AQ-34	OPS	Records and External Inspection or Visit Procedure	Make site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	As required	District, ARB, CEC	AS									
Yes	Yes	Accomplished	Emergency Generator Operating Log/Emergency Generator O&M Procedure	Continuous	N/A	N/A	AQ-35	OPS	Engine Isolation	This unit shall not be used to provide power to the interconnecting utility and shall be isolated from the interconnecting utility when operating.	As required	District, ARB, CEC	A/T + AS									
Yes	Yes	Accomplished	Emergency Generator Operating Log/Emergency Generator O&M Procedure	Continuous	N/A	N/A	AQ-36	OPS	Outage Use	This engine may operate in response to notification of impending loss of utility back-feed power if the interconnected utility has ordered an outage to the plant or expects to order such outages at a particular time, 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.	As required	District, ARB, CEC	A/T + AS									
No	No	N/A	N/A	N/A	N/A	N/A	AQ-37		Reserved													
Yes	No	Accomplished	N/A	Continuous	N/A	N/A	AQ-38	COMM	Stack Height	This engine shall exhaust through a stack at a minimum height of 30 feet. Records and External Inspection or Visit Procedure.	As required	District, ARB, CEC	A/T + AS									
Yes	Yes	Accomplished	Airborne Toxic Control Measure	Milestone	N/A	??	AQ-39	OPS	Airborne Toxic Control Measure (ATCM)	This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR 93115). In the event of conflict between these conditions and the ATCM, the more stringent shall govern. AEPC to provide ASLLC evidence or statement of conformance to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR 93115)	As required	N/A	A/T									
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to purchase	AQ-40	CONS	Emergency Generator Engine Specifications	This unit is subject to the requirements of the Federal National Source Performance Standards (NSPS) for Stationary Compression Ignition Internal Combustion Engines (40 CFR Part 60 Subpart IIII). The project owner shall submit the engine specifications at least 30 days prior to purchasing the engines for review and approval demonstrating that the engines meet NSPS and ARB ATCM emission limit requirements at the time of engine purchase.	30 days prior to purchase	CEC	A/T					4/15/13 Approval AQ40-00-00				
							Two 575-617 HP Emergency IC Engine															
Yes	No	Accomplished	N/A	Continuous	N/A	N/A	AQ-40a		Engine Type	This engine shall be a US EPA Tier 3 certified, non-road compression ignition engine, as evidenced by the manufacturer's engine tag. Records and External Inspection or Visit Procedure	As required	District, ARB, CEC	A/T + AS					4/12/13 Approval Approval, Fire Suppression Related Emergency Generators				
Yes	Yes	Accomplished	Emergency IC Engine O&M Procedure	Continuous	N/A	N/A	AQ-41	COMM & OPS	Minimum Emissions	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. Emergency Generator Operating Log, Records and External Inspection or Visit Procedure.	As required		A/T + AS									
Yes	Yes	Accomplished	Emergency IC Engine O&M Procedure	Milestone	N/A	Before COD	AQ-42	OPS	Uultra-low sulfur diesel fuel	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.	As required	District, ARB, CEC	A/T + AS									
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to installation of engine	AQ-43	OPS	Hour Meter Specifications	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)). 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 meter.	30 days prior to installation of engine	District, CEC	A/T									
Yes	Yes	Accomplished	Emergency IC Engine O&M Procedure/Emergency Generator Operating Log: Direct Drive Fire Pump Operating Time	Continuous	N/A	N/A	AQ-44	OPS	Direct drive fire pump engine	This new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not operate more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems," (current edition). The hours of operation for source testing or to perform testing on an engine that has experienced a breakdown or failure during testing will not be counted towards either of the allowable annual limits above. There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]	As required	District, ARB, CEC	A/T + AS									

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Yes	Yes	Accomplished	Emergency Generator Operating Log	Recurrent	Annual	ACR	AQ-45	OPS	Sulfur Content & Engine Use	The project owner shall maintain a operations log for this unit current and on-site, either at the engine location or at a on-site location, for a minimum of two (2) years, and for another year where it can be made available to the District staff within five (5) working days from the District's request, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below: a. Date of each use and duration of each use (in hours); b. Reason for use (testing & maintenance, emergency, required emission testing); c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and, d. Fuel sulfur concentration (the project owner may use the supplier's certification of sulfur content if it is maintained as part of this log). The project owner shall submit records required by this condition that demonstrating compliance with the sulfur content and engine use limitations of conditions AQ-42, AQ-44, and AQ-46 in the Annual Compliance Report, including a photograph showing the annual reading of engine hours. The project owner shall make the site available for inspection of records by representatives of the District, ARB, and the Energy	ACR	CEC	AS								
No	No	N/A	N/A	N/A	N/A	N/A	AQ-46	COMM & OPS	Reserved													
Yes	No	Accomplished	N/A	Continuous	N/A	N/A	AQ-47	COMM	Stack Height	This engine shall exhaust through a stack at a minimum height of 20 feet.	As required	District, ARB, CEC	A/T									
Yes	Yes	Accomplished	Airbone Toxic Control Measure	Continuous	N/A	N/A	AQ-48	OPS	Airborne Toxic Control Measure (ATCM)	This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR 93115). In the event of conflict between these conditions and the ATCM, the requirements of the ATCM shall govern.	As required	N/A	A/T									
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to purchase	AQ-49	CONS	Engine Specifications	This unit is subject to the requirements of the Federal National Source Performance Standards (NSPS) for Stationary Compression Ignition Internal Combustion Engines (40 CFR Part 60 Subpart IIII). The project owner shall submit the engine specifications at least 30 days prior to purchasing the engines for review and approval demonstrating that the engines meet NSPS and ARB ATCM emission limit requirements at the time of engine purchase.	30 days prior to purchase	CEC	A/T				4/12/13 Approval AQ49-00-00					
							AQ-50															
Yes	No	Accomplished	N/A	N/A	N/A	N/A	AQ-50	CONS	Telephone Posting.	The toll-free telephone number that must be posted is 1-800-635-4617	As required	CEC	A/T									
Yes	Yes	Accomplished	Gasoline Storage Tank Inspection and Maintenance Procedure/Gasoline Storage Tank Logs: Maintenance, Inspection, Test and Repair records	Continuous	N/A	N/A	AQ-51	OPS	Maintence, Inspection, Test and Repair Log	The project owner shall maintain a log of all inspections, repairs, and maintenance on equipment subject to Rule 461. Such logs or records shall be maintained at the facility for at least two (2) years and available to the District upon request. Records of Maintenance, Tests, Inspections, and Test Failures shall be maintained and available to District personal upon request; record form shall be similar to the Maintenance Record form indicated in current ARB E xecutive Order Rule 461	As required	District, ARB, CEC	AS									
No	No	N/A	N/A	N/A	N/A	Deleted																
Yes	No	Accomplished	N/A	Milestone	N/A	When any modification may occur	AQ-52	CONS	Vapor Recovery System	Any modifications or changes to the piping or control fitting of the vapor recovery system require prior approval from the District. [Rule 204].	As required	District	A/T									
Yes	No	Accomplished	N/A	Continuous	N/A	N/A	AQ-53	CONS	Pressure Relief Valves	Pursuant to current Executive Orders (EOs) vapor vent pipes are to be equipped with pressure relief valves or allowed by EO Rule 204].	As required	CEC	A/T									
Yes	No	Accomplished	N/A	Recurrent	N/A	with in 60 construction completion	AQ-54	COMM	Static Pressure Tests - COD	The project owner shall perform the following tests within 60 days of construction completion and annually thereafter in accord with the following test procedures: a.Determination of Static Pressure Performance of Vapor Recovery Systems at Gasoline Dispensing Facilities with Aboveground Storage Tanks shall be conducted per current ARB Executive Orders b.Phase I Adapters, Emergency Vents, Spill Container Drain Valve, Dedicated gauging port with drop tube and tank components, all connections, and fittings shall NOT have any detectable leaks; test methods shall be per current ARB Executive Orders c.Liquid Removal Test (if applicable) per TP-201.6, and Summary of Test Data shall be documented on a Form similar to the form in current ARB Executive Orders.	with in 60 construction completion	District	A/T + AS				05/07/19 AQ54-04-01 04/16/19 AQ54-04-00 04/26/18 AQ54-03-01 04/06/18 AQ54-03-00 MDAQMD Rule 461 Testing Notification form Gasoline Dispensing Tank 04/07/17 AQ54-02-00 MDAQMD Rule 461 Testing Notification Form for Gasoline Dispensing Tank Vapor Rec - 11/13/2014 Approval				
Yes	Yes	Accomplished	Gasoline Storage Tank Static Pressure Tests Records	Recurrent	Annual	25-dec-15	AQ-54	OPS	Static Pressure Tests - Annual	The project owner shall perform the following tests within 60 days of construction completion and annually thereafter in accord with the following test procedures: a.Determination of Static Pressure Performance of Vapor Recovery Systems at Gasoline Dispensing Facilities with Aboveground Storage Tanks shall be conducted per current ARB Executive Orders b.Phase I Adapters, Emergency Vents, Spill Container Drain Valve, Dedicated gauging port with drop tube and tank components, all connections, and fittings shall NOT have any detectable leaks; test methods shall be per current ARB Executive Orders c.Liquid Removal Test (if applicable) per TP-201.6, and Summary of Test Data shall be documented on a Form similar to the form in current ARB Executive Orders.	ACR	District	AS								
Yes	No	Accomplished	N/A	N/A	N/A	N/A	AQ-54		Test Notification District	Notify the District prior to performing the required tests.	10 days prior to testing	District	A/T + AS									
Yes	Yes	Accomplished	Gasoline Storage Tank Static Pressure Tests Records	Milestone	N/A	30 days after completion of testing	AQ-54	COMM & OPS	Test Result Submittal	The test results shall be submitted to the District after completion of the tests and shall be made available to the CPM if requested.	30 days after completion of testing	District	A/T + AS									
Yes	Yes	Accomplished	Gasoline Storage Tank Static Pressure Tests Reports	Milestone	N/A	19-aug-15	AQ-54	OPS	Test report	The District shall receive passing test reports no later than six (6) weeks prior to the expiration date of this permit. [Rule 204]	6 wks prior to expiration date of permit	District	AS									
Yes	Yes	Accomplished	Gasoline StorageTank O&M Procedure	Continuous	N/A	N/A	AQ-55	CONS & OPS	Above-ground Tank	Pursuant to California Health and Safety Code sections 39600,39601 and 41954, this aboveground tank shall be installed and maintained in accordance withcurrent ARB Executive Orders for EVR Phase I, and Standing Loss requirements Additionally, Phase II Vapor Recovery System shall be installed and maintained per current ARB Executive Orders with the exception that hanging hardware shall be EVR Balance Phase II type hanging hardware (VST or other GARB Approved EVR Phase II Hardware). [Rule 204]	As required	District, ARB, CEC	A/T + AS									
Yes	Yes	Accomplished	EVR O&M Manual	Continuous	N/A	N/A	AQ-56	COMM & OPS	EVR Phase I OPW system components\OPW Certified Technicians	Pursuant to current ARB Executive Orders: Maintenance and repair of components, including removal and installation of such components in the course of any required tests, shall be performed by Vendor Certified Technicians.	As required	District, ARB, CEC	A/T + AS									
No	No	N/A	N/A				AQ 56		List of certified service providers	DELETE - NOT A REQUIRMENT OF AQ-56			A/T									
Yes	Yes	Accomplished	N/A	Continuous	N/A	N/A	AQ-57	OPS	Misc Maint.\OPW Certified Technicians	Pursuant to current ARB Executive Orders, Maintenance Intervals for ARB Executive Orders; Tank Gauge Components; Dust Caps Emergency Vents; Phase I Product and Vapor Adapters, and Spill Container Drain Valve, shall be conducted by an trained technician annually.	As required	District, ARB, CEC	A/T + AS									
No	No	N/A	N/A	N/A	N/A	N/A	AQ-57		Technician training	Delete. See actions above			A/T + AS									

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Yes	Yes	Accomplished	GST Gasoline Use Records	Recurrent	Annual	25-dec-15	AQ-58	OPS	Gasoline Use ACR	The annual throughput of gasoline shall not exceed 600,000 gallons per year. Throughput Records shall be kept on site and available to District personnel upon request. Before this annual throughput can be increased the facility may be required to submit to the District a site specific Health Risk Assessment in accord with a District approved plan. In addition public notice and/or comment period may be required. [Regulation XIII, Rule 204]	ACR	CEC	A/T + AS				01/14/18 AQ58-02-00 Annual Fuel Throughput 2018 1/13/17 AQ58-01-00 Annual Fuel Throughput 2017 1/12/18 AQ58-00-00 Annual Fuel Throughput Request					
Yes	Yes	Accomplished	GST Gasoline Use Records	Continuous	N/A	N/A	AQ-58	OPS	Gasoline Use - District	Maintain on site the annual gasoline throughput records and shall make the site available for inspection of records by representatives of the District.	As required	District	AS									
Yes	Yes	Accomplished	EVR O&M Manual/EVR Operating Records	Continuous	N/A	N/A	AQ-59	CONS & OPS	EVR Phase I	The project owner shall install, maintain, and operate Enhanced Vapor Recovery (EVR) Phase I and Phase II in compliance with current ARB Executive Orders with the exception that hanging hardware shall be EVR Balance Phase II type hanging hardware (Vapor Systems Technologies nvn or other ARB Approved EVR Phase II Hardware). In the event of conflict between these permit conditions and/or the referenced EO's the more stringent requirements shall	As required	District, ARB, CEC	A/T									
No	No	N/A	N/A	N/A	N/A	N/A	Deleted															
No	No	N/A	N/A	N/A	N/A	N/A	Deleted															
Yes	Yes	Accomplished	Gasolina StorageTank O&M Procedure	Continuous	N/A	N/A	AQ-60	COMM & OPS	Operation Requirements	The project owner shall install, maintain, and operate this equipment in compliance with these permit conditions and 40 CFR Part 63 Subpart CCCCC, in the event of conflict the more stringent requirements shall govern. [Rule 204] The project owner shall make the site available for inspection of records by representatives of the District, ARB, and the Energy Commission.	As required	District, ARB, CEC	A/T + AS									
							Carbon Adsorption System															
Yes	Yes	Accomplished	Carbon Absortion System O&M Procedure	Continuous	N/A	N/A	AQ-61	COMM & OPS	Operation Requirements	Operation of this equipment shall be conducted in compliance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.	As necessary	District, CEC	A/T + AS									
Yes	Yes	Accomplished	Carbon Absortion System O&M Procedure	Continuous	N/A	N/A	AQ-62	COMM & OPS	Operation Requirements	This equipment must be in use and operating properly at all times the HTF ullage/expansion system with valid District Permit B011046 and B011047 is venting.	As necessary	District	A/T + AS									
Yes	No	Accomplished	Carbon Absortion System Operating Records	Milestone	N/A	Within fifteen (15) working days before the execution of the compliance test	AQ-63	COMM	Control Efficiency - Test Notification	This carbon adsorption system shall provide at a minimum 95% control efficiency of VOC emissions vented from the HTF ullage/expansion system under valid District Permit B011046 and B011047. Control efficiency shall be demonstrated by sampling VOC emissions per US EPA Method 25 at the inlet and outlet of the carbon beds during initial and annual compliance tests.	Within fifteen (15) working days before the execution of the compliance test	District, CEC	A/T + AS					5/29/15 MDAQMD Approval AQ63 Addendum - Source Test Protocol Plan 1/6/15 MDAQMD Approval AQ63 Source Test Protocol Plan				
Yes	No	Accomplished	Carbon Absortion System Operating Records	Milestone	N/A	The initial test results shall be submitted to the District and to the CPM within 180 days of initial start up.	AQ-63	COMM	Control Efficiency - Initial Test Results	This carbon adsorption system shall provide at a minimum 95% control efficiency of VOC emissions vented from the HTF ullage/expansion system under valid District Permit B011046 and B011047. Control efficiency shall be demonstrated by sampling VOC emissions per US EPA Method 25 at the inlet and outlet of the carbon beds during initial and annual compliance tests.	The initial test results shall be submitted to the District and to the CPM within 180 days of initial start up.	District, CEC	A/T + AS				#REF!	07/27/15 Submittal AQ63-00-00 Carbon Adsorption Test Report (approved by the MDAQMD)	08/11/15 Approval AQ63-00-00 Carbon Adsorption Test Report			
Yes	No	Accomplished	Carbon Absortion System Operating Records	Recurrent	Annual	25-dec-15	AQ-63	COMM	Control Efficiency - Annual Test Results	As part of the Annual Compliance Report, the project owner shall include information demonstrating compliance with control efficiency.	ACR	CEC	AS									
No	No	N/A	N/A	N/A	N/A	N/A	Deleted															
Yes	No	Accomplished	Carbon Absortion System Monitoring and Changeout Plan	Milestone	N/A	60 days prior to commercial operation date	AQ-64	COMM	Monitoring and changeout plan for the carbon adsorption system	The project owner shall prepare and submit a monitoring and changeout plan for the carbon adsorption system which ensures that the system is operating at optimal control efficiency at all times for District approval 60 days prior to commercial operation date (COD). Once approved, any subsequent changes to the monitoring and change-out plan must be submitted in writing to the District for approval prior to implementation. The project owner shall provide the District for review and approval and the CPM for review the required monitoring and change-out plan within the timeframe required by this condition.	60 days prior to commercial operation date	District	A/T				07/25/14 AQ64-01-00 Submittal Carbon Adsorption System Monitoring and Change Out Plan - Revision B	09/05/2104 AQ-64-01-00 Approved Revised and Condensed Monitoring and Change Out Plan for the Carbon Adsorption System	01/12/15 Submittal AQ64-02-00 MDAQMD Extension to 2/28/15 Monitoring and Change Out Plan			
Yes	Yes	Accomplished	Carbon Absortion System O&M Procedure/Carbon Absortion System Operating Records	Recurrent	Annual	ACR	AQ-65	COMM & OPS	VOC Emission Limit	Total emissions of volatile organic compounds (VOC) to the atmosphere shall not exceed 792.1 lb/year, calculated based on the most recent test results.	ACR	CEC	A/T + AS									
No	No	N/A	N/A	N/A	N/A	N/A	Deleted															
Yes	Yes	Accomplished	Carbon Absortion System O&M Procedure/Carbon Absortion System Operating Records	Recurrent	Annual	ACR	AQ-66	COMM & OPS	Benzene Emission Limit	Total emissions of benzene to the atmosphere shall not exceed 507.4 lbs/year, calculated based on the most recent test results.	ACR	CEC	A/T + ASI									
No	No	N/A	N/A	N/A	N/A	N/A	Deleted															
Yes	Yes	Accomplished	Carbon Absortion System O&M Procedure/Carbon Absortion System Operating Records	Recurrent	Weekly	N/A	AQ-67	OPS	VOX Hexane/PID	During operation, the project owner shall monitor VOC (as hexane) measured at outlet from the carbon beds. Sampling is to be performed at a minimum on a weekly basis. Samples shall be analyzed using a District approved photo ionization detector (PID).	weekly	District, CEC	AS				10/28/2014 Submittal AQ67-00-00 Carbon Adsorption System VOC Monitoring procedure & PID Specifications [resubmittal] 10/23/2014 Submittal AQ67-00-00 Carbon Adsorption System VOC Monitoring procedure & PID Specifications	11/13/2014 Approval AQ-67-00-00 Carbon Adsorption System VOC Monitoring procedure and PID specifications (resubmission)				
Yes	Yes	Accomplished	PID Calibration Procedure	Continuous	N/A	N/A	AQ-68	OPS	PID Calibration	The photo ionization detector shall be considered invalid if not calibrated in accordance with the manufactures recommended calibration procedures.	As necessary	District, CEC	AS									
Yes	Yes	Accomplished	Carbon Absortion System Operating Records	Continuous	N/A	N/A	AQ-69	OPS	VOC Monitoring Logs	The project owner shall maintain an operations log (in electronic or hardcopy format) current and onsite for a period of five (5) years. The log shall contain at a minimum the following information and shall be provided to District personnel upon request: a. Date and time of VOC monitoring; b. Results of VOC monitoring; and c. Date and description of all maintenance, malfunctions, repairs, and carbon change out(s).	The project owner shall make the site available for inspection of records and equipment by representatives of the District, ARB, and the Energy Commission.	District, CEC	AS									
Yes	Yes	Accomplished	Carbon Absortion System Operating Records	Recurrent	Annual	25-dec-15	AQ-70	OPS	VOC Emission Summary - Annual	Prior to January 31 of each new year, the project owner of this unit shall submit to the District a summary report of all VOC emissions (based on annual source test results). As part of the Annual Compliance Report, the project owner shall include the test results demonstrating compliance with this condition.	ACR	CEC	AS				01/06/2020 AQ70-05-00 PTO Annual Emissions 01/04/19 AQ70-04-00, PTO's C012015 and C012016 Annual emission report 01/09/18 AQ70-03-00, PTO's C012015 and C012016 Annual emission report 01/17/17 AQ-70-02-00. Annual summary VOC emissions report (09-AFC-5C). Based on Annual Test Results 2/9/15 AQ70-74-00-00 Request to extend the testing period to 4/59/15 for carbon adsorption filters					
Yes	No	Accomplished	N/A	Continuous	N/A	N/A	AQ-71	CONS/COMM	Stack Sampling/Port Platform	The project owner shall provide stack sampling ports and platforms necessary to perform source tests required to verify compliance with District rules, regulations and permit conditions. The location of these ports and platforms shall be subject to District approval.	As necessary	District	AT\AS									

EN Req	Applicable for KPI	Progress	EMS Plan link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submittal Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Drws/Docs	Actual Submittal Date Drws/Docs	Actual Approval Date Drws/Docs	(Submittal due to Change)	Approved As-Builts	Approved Inspection	COO
Yes	No	Accomplished	Compliance Certification Test Plan	Milestone	N/A	30 Days Prior to the Compliance /Certification Test	AQ-72	COMM	Compliance Certification Test Plan - Protocol Submission	The project owner shall conduct all required compliance/certification tests in accordance with a District-approved test plan. Thirty (30) days prior to the compliance/certification tests the operator shall provide a written test plan for District review and approval. Written notice of the compliance/certification test shall be provided to the District ten (10) days prior to the tests so that an observer may be present. A written report with the results of such compliance/certification tests shall be submitted to the District within forty-five (45) days after testing is completed.	30 Days Prior to the Compliance /Certification Test	District, CEC					10/11/19 AQ72-10-02 10/02/19 AQ72-10-01 08/28/19 AQ72-10-00 08/02/19 AQ72-09-00 05/29/19 AQ72-08-00 Protocol for VOC & Benzene Emissions					
Yes	No	Pending	N/A	Milestone	N/A	10 Days prior to test	AQ-72	COMM	Compliance Certification Test Plan - Notice of Test	The project owner shall notify the District and the CPM within ten (10) working days before the execution of the compliance tests required in AQ-73 and AQ-74	10 Days prior to test	District, CEC					2/9/15 Submittal AQ70-74-00-00 Request to extend the testing period to 4/30/15 for carbon adsorption filters					
Yes	No	Pending	Compliance Certification Test Plan Results	Milestone	N/A	45 Days after testing	AQ-72	COMM	Compliance Certification Test Plan - Test Results	The test results shall be submitted to the District and to the CPM within forty-five (45) days after the tests are conducted	45 Days after testing	District, CEC					2/9/15 Submittal AQ70-74-00-00 Request to extend the testing period to 4/30/15 for the Mojave Solar carbon adsorption filters					
Yes	No	N/A	N/A	N/A	N/A	N/A	Deleted															
Yes	No	Accomplished	Carbon Absortion System Operating Records	Milestone	N/A	(30) working days before the execution of the compliance test	AQ-73	COMM	Hexane & Benzene Testing - COD	The project owner shall perform the following initial compliance tests on this equipment in accordance with the MDAQMD Compliance Test Procedural Manual. The test report shall be submitted to the District within 180 days of the commercial operation date (COD). The following compliance tests are required: a. VOC as hexane in ppmvd and lb/hr (measured per USEPA Reference Methods 25 and 18 or equivalent). b. Benzene in ppmvd and lb/hr (measured per ARB Method 410 or equivalent).	(30) working days before the execution of the compliance test	Compliance Test Notification	A/T + ASI				2/9/15 Submittal AQ70-74-00-00 Request to extend the testing period to 4/30/15 for the Mojave Solar carbon adsorption filters					
Yes	No	N/A	N/A	N/A	N/A	N/A	Deleted															
Yes	Yes	Accomplished	Carbon Adsorption System Operating Records	Milestone	N/A	Within 180 days of initial start up.	AQ-73	OPS	Hexane & Benzene Test Results	The test results shall be submitted to the District and to the CPM within 180 days of initial start up.	Within 180 days of initial start up.	CEC	A/T + ASI				2/9/15 Submittal AQ70-74-00-00 Request to extend the testing period to					
Yes	Yes	Accomplished	Carbon Absortion System Operating Records	Recurrent	Annual	25-dec-15	AQ-74	OPS	Hexane & Benzene Testing - Annual	The project owner shall perform the following annual compliance tests on this equipment in accordance with the MDAQMD Compliance Test Procedural Manual. The test report shall be submitted to the District no later than six weeks prior to the expiration date of this permit. The following compliance tests are required: a. VOC as hexane in ppmvd and lb/hr (measured per US EPA Reference Methods 25A and 18 or equivalent). b. Benzene in ppmvd and lb/hr (measured per ARB Method 410 or equivalent). As part of the Annual Compliance Report, the project owner shall include information demonstrating compliance with	ACR	CEC	ASI								
Yes	Yes	Accomplished	Carbon Absortion System Operating Records	Recurrent	Every 5 years	After 5 years of commertial operations	AQ-74	OPS	Hexane & Benzene Test Records	Additionally, records of all compliance tests shall be maintained on site for a period of five (5) years and presented to District personnel upon request.	Five (5) Years	District, CEC	A/T + ASI									
Yes	No	Accomplished	N/A	N/A	N/A	N/A	BIO-1	PC	Provide Resume of DB.	Submit the resume. The CEC, CDFG, and USFWS have 30 days to approve or deny proposed Designated Biologists. No site or related facility activities shall commence until an approved Designated biologist is available to be on site.	60 days prior to site mobilization	CEC, CDFG, USFWS	AS	ASI	M S	6/29/2011	6/29/2011	8/22/2011		-	-	-
Yes	No	Accomplished	N/A	N/A	N/A	N/A	BIO-1	PC & CONS	Provide Resume of New DB Prior to Release of Preceding DB	If a DB needs to be replaced, the resume of the proposed replacement must be submitted to the CPM at least 10 working days prior to the termination or release of the preceding DB. In an emergency, immediately notify the CPM to discuss the qualifications and approval of a short term replacement while a permanent DB is proposed to the CPM for consideration.	10 working days	CEC	AS	ASI	H B	As Req.	As Req.	As Req.	BIO1-17-00 Designated Biologist 9/17/13 USFWS-DOE approval, BIO1-14-01 01/06/2017 Approval Gerald Monks BIO1-16-00	-	-	-
Yes	No	Pending	N/A	N/A	N/A	N/A	BIO-2	CONS	Provide Written Reports to CEC	Submit to the CPM copies of all written reports and summaries that document biological resource compliance activities, including those conducted by Biological Monitors.	MCR	CEC	AS	ASI	H B	Monthly	Monthly	Monthly		-	-	-
Yes	No	Accomplished	N/A	N/A	N/A	N/A	BIO-2	CONS	Provide Monitors as Needed	If actions may affect biological resources during operation, a designated biologist or biological monitor under the supervision of the designated biologist shall be available for monitoring and reporting.	As required	CEC	AS	ASI	H B	As Req.	As Req.	As Req.		-	-	-
Yes	Yes	Accomplished	BRMIMP Records Summaries	Recurrent	Annual	25-dec-15	BIO-2	OPS	Provide summaries to agencies.	Designated Biologist shall submit record summaries unless their duties are ceased as approved by the CEC. Reports shall also be submitted to CDFG and USFWS.	ACR	CEC, CDFG, USFWS	AS	ASI	H B	ACR 2014	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	N/A	N/A	N/A	BIO-3	PC	Submit information to agencies.	Submit the specified information to the CEC, CDFG, and USFWS for approval. The CEC, CDFG, and USFWS have 30 days to approve or deny proposed Biological Monitor(s). Submit a written statement to the CEC confirming that Biological Monitor(s) have been trained.	60 days prior to site mobilization	CEC, CDFG, USFWS	AS	ASI	M S	6/1/2011	6/1/2011	6/1/2011		-	-	-
Yes	Yes	Accomplished	N/A	Milestone	N/A	When additional biological monitors are required	BIO-3	CONS	Submit new information to CEC.	If additional biological monitors are needed during construction, the specified information shall be submitted to the CEC for approval.	10 days prior to their first day of monitoring	CEC	AS	ASI	H B	As Req.	2/24/15 BIO3-09-01 Submittal Additional Biological Monitors Samantha Burrell & Carl Bullock 1/26/15 Submittal BIO3-08-01 Resume of Caroline Poli, Biological Monitor 08/27/2014 CEC submittal Biological Monitor Jason Brooks resume.	3/2/15 BIO3-09-01 Approval Additional Biological Monitors Samantha Burrell & Carl Bullock 08/27/2014 CEC approval Biological Monitor Jason Brooks 08/20/2014 BIO3-07-01 approval Biological Monitors: Robert Hernandez Russell Kokx Christopher McDaniel		-	-	-
Yes	No	Accomplished	N/A	milestone	N/A	No later than the following morning of the incident/Monday	BIO-4	CONS	Notify CEC immediately of an incident.	Notify the CEC immediately (and no later than the following morning of 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. Also notify the CEC of the circumstances and actions being taken to resolve the problem.	Immediately as required	CEC	AS	ASI	H B	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	Within five days	BIO-4	CONS	Notify CEC of corrective action within 5 days.	Whenever corrective action is taken, a determination of success or failure will be made by the CEC within five working days after receipt of notice that corrective action is completed, or the project owner will be notified by the CEC that coordination with other agencies will require additional time before a determination can be made.	Immediately as required	CEC	AS	ASI	H B	As Req.	As Req.	As Req.		-	-	-

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Yes	No	Accomplished	N/A	Milestone	N/A	45 days prior to site mobilization	BIO-5	PC	Provide the CEC a copy of the WEAP program.	Worker Environmental Awareness Program: Provide the CEC the proposed WEAP and all supporting materials prepared or reviewed by the Designated Biologist and a resume of the person(s) administering the program. The CEC shall review and provide written comments within 15 days of receipt.	45 days prior to site mobilization	CEC	AS	ASI	M S	6/15/2011	4/1/2011	5/1/2011	03/08/19 BIO05-03-07 Revised WEAP 06/15/18 BIO05-03-06 Revised 06/13/18 BIO05-03-05 Revised 06/07/18 BIO05-03-04 Revised 5/15/15 BIO5-03-00 Submittal Revised WEAP BIO5-02-01 01/04/13	BIO5-02-01 02/20/13	-	-
Yes	No	Accomplished	N/A	Recurrent	Monthly	MCR	BIO-5	CONS	Provide the number of persons who have completed the WEAP training.	Provide 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.	MCR	CEC	AS	ASI	H B	Monthly	Monthly	Monthly		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	10 days prior to site mobilization	BIO-5	PC	Provide CEC approved materials list.	Prior to site and related facilities mobilization submit two copies of the CEC-approved materials.	10 days prior to site mobilization	CEC	AS	ASI	M S	8/19/2011	7/1/2011	8/1/2011		-	-	-
Yes	Yes	Accomplished	Worker Environmental Awareness Program (WEAP)/Training acknowledgment	Continuous	N/A	N/A	BIO-5	CONS, COMM & OPS	Keep signed training forms on site.	Training acknowledgement forms signed during construction shall be kept on file by the project owner for a period of at least six months after the start of commercial operation. During operation signed statements for operational personnel shall be kept on file for 6 months following termination of employment.	As required	CEC	AS	ASI	H B	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	45 days prior to site mobilization	BIO-6	PC	Provide the CEC a copy of the BRMIMP plan.	Biological Resources Mitigation Implementation and Monitoring Plan (BRMIMP) Development and Compliance: Provide the specified document prior to start of any site (or related facilities) mobilization. The CEC will determine the BRMIMP's acceptability within 30 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 the CPM within 5 days of their receipt, and the BRMIMP shall be revised or supplemented to reflect the permit condition within 10 days of their receipt by the project owner. Ten days prior to pre-construction site mobilization the revised BRMIMP shall be resubmitted to the CEC.Site mobilization will not occur without an approved BRMIMP.	45 days prior to site mobilization	CEC	AS	ASI	M S	6/15/2011	4/1/2011 2/28/11 BIO6-02-00 Submittal Aerial Photos	5/1/2011	08/31/16 BIO06-03-02 3/2/15 BIO6-01-05 Submittal BRMIMP Updated Pages (Cover, Rev., Staff, App. B)	-	-	-
Yes	No	Accomplished	N/A	Recurrent	Monthly	MCR	BIO-6	CONS	Implementation of BRMIMP measures will be reported.	Implementation of BRMIMP measures will be reported.	MCR	CEC	AS	ASI	H B	Monthly	Monthly	Monthly		-	-	-
Yes	No	Pending	N/A	milestone	N/A	30 days after completion of construction	BIO-6	COMM	Provide a written construction closure report to CEC.	Provide to the CEC, for review and approval, a written construction closure report identifying which items of the BRMIMP have been completed etc. (see COC)	30 days after completion of construction	CEC	AS	ASI	H B	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	45 days prior to site mobilization	BIO-7	PC	Include all mitigation measures in BRMIMP.	All mitigation measures and their implementaion methods shall be included in the BRMIMP.	45 days prior to site mobilization	CEC	AS	ASI	M S	6/15/2011	4/1/2011	5/1/2011		-	-	-
Yes	No	Accomplished	N/A	Recurrent	Monthly	MCR	BIO-7	CONS	Report measures to CEC.	Implementation of the measures will be reported. 8/17/2012 CEC Notice of Decision removed wording limiting HLR speed limit to 25mph.	MCR	CEC	AS	ASI	H B	Monthly	Monthly			-	-	-
Yes	Yes	Accomplished	Construction Termination Report	Milestone	N/A	30 days after completion of construction	BIO-7	OPS	Provide construction termination report to CEC, CDFG and USFWS.	Provide to the CEC, for review and approval, a written construction termination report identifying how measures have been completed. Additional copies shall be provided to CDFG and USFWS.	30 days after completion of construction	CEC, CDFG, USFWS	AS	ASI	H B	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	10 days prior to site mobilization	BIO-8	PC	Pre-Construction Nest Surveys and Impact Avoidance and Minimization Measures for Migratory Birds: Provide the CEC 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. Additional copies shall be provided to CDFG and USFWS.		10 days prior to site mobilization	CEC, CDFG, USFWS	AS	ASI	M S	8/19/2011	7/1/2011	8/1/2011		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	within 30 days of completion of GOEA breeding-season surveys	BIO-9	PC	Submit a report to the CEC, CDFG, and USFWS. This report shall document the results of the inventory and monitoring as described in Pagel et al. 2010.	Submit a report to the CEC, CDFG, and USFWS. This report shall document the results of the inventory and monitoring as described in Pagel et al. 2010.	within 30 days of completion of GOEA breeding-season surveys	CEC, CDFG, USFWS	AS	ASI	M S	3/1/2011	2/1/2011 09/17/2010)	3/1/2011 (10/07/2010)		-	-	-
Yes	No	Pending	N/A	Milestone	N/A	within 30 days of completion of GOEA non-breeding-season surveys (late-summer/early winter 2010)	BIO-9	PC	Submit a report to the CEC, CDFG, and USFWS. This report shall document the results of the protocol surveys as described in Pagel et al. 2010 or more recent guidance by USFWS (e.g., Pagel et al, in prep).	Submit a report to the CEC, CDFG, and USFWS. This report shall document the results of the protocol surveys as described in Pagel et al. 2010 or more recent guidance by USFWS (e.g., Pagel et al, in prep).	within 30 days of completion of GOEA non-breeding-season surveys (late-summer/early winter 2010)	CEC, CDFG, USFWS	AS	ASI	M S	3/1/2011	2/1/2011 (03/17/2011)	3/1/2011 (unknown)		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to site mobilization	BIO-9	PC	Provide the CEC, CDFG, and USFWS with the final version of the Golden Eagle Territory-Specific Management Plan, based on breeding-season inventory results. This final Plan shall have been reviewed and approved by the CEC in consultation with USFWS. [or (see next entry below)]	Provide the CEC, CDFG, and USFWS with the final version of the Golden Eagle Territory-Specific Management Plan, based on breeding-season inventory results. This final Plan shall have been reviewed and approved by the CEC in consultation with USFWS. [or (see next entry below)]	30 days prior to site mobilization	CEC, CDFG, USFWS	AS	ASI	M S	7/29/2011	5/1/2011 (03/14/2011)	6/1/2011 (03/17/2011)		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	10 days prior to site mobilization	BIO-9	PC	If disturbance to eagles would not occur and a Plan is not warranted, a letter from USFWS documenting this determination shall be submitted to the CEC at least 10 days prior to the start of any pre-construction site mobilization.	If disturbance to eagles would not occur and a Plan is not warranted, a letter from USFWS documenting this determination shall be submitted to the CEC at least 10 days prior to the start of any pre-construction site mobilization.	10 days prior to site mobilization	CEC, CDFG, USFWS	AS	ASI	M S	8/19/2011	7/1/2011 (03/14/2011)	8/1/2011 (03/17/2011		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	within 90 days of completion non-breeding season surveys	BIO-9	PC	An addendum to the Plan may be required by USFWS based on non-breeding season survey results. If required, a final addendum, which has been reviewed and approved by the CEC in consultation with USFWS, shall be submitted to the CEC.	An addendum to the Plan may be required by USFWS based on non-breeding season survey results. If required, a final addendum, which has been reviewed and approved by the CEC in consultation with USFWS, shall be submitted to the CEC.	within 90 days of completion non-breeding season surveys	CEC, CDFG, USFWS	AS	ASI	M S	6/1/2011	6/1/2011	6/1/2011		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	10 days prior to site mobilization	BIO-10	PC	Documentation of Bald and Golden Eagle Act Compliance: Submit to the CEC documentation that the project is in compliance with the Bald and Golden Eagle Protection Act (Title 16, United States Code, sections 668-668d). This shall include documentation from the USFWS in the form of written or electronic transmittal indicating the status of the permit, if required, and any follow up actions required by the project owner. Any additional actions shall be added to the BRMIMP and implemented.	Documentation of Bald and Golden Eagle Act Compliance: Submit to the CEC documentation that the project is in compliance with the Bald and Golden Eagle Protection Act (Title 16, United States Code, sections 668-668d). This shall include documentation from the USFWS in the form of written or electronic transmittal indicating the status of the permit, if required, and any follow up actions required by the project owner. Any additional actions shall be added to the BRMIMP and implemented.	10 days prior to site mobilization	CEC	AS	ASI	M S	8/19/2011	2/1/2011	3/1/2011		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	Prior to ground disturbance	BIO-11	PC	Desert Tortoise Exclusion Fencing, Clearance Surveys, and Translocation Plan: The entire project site shall be fenced with desert tortoise exclusion fence. To avoid impacts to desert tortoise during fence construction, the proposed fence alignment shall be flagged and the alignment surveyed within 24 hours prior to fence construction.	Desert Tortoise Exclusion Fencing, Clearance Surveys, and Translocation Plan: The entire project site shall be fenced with desert tortoise exclusion fence. To avoid impacts to desert tortoise during fence construction, the proposed fence alignment shall be flagged and the alignment surveyed within 24 hours prior to fence construction.	Prior to ground disturbance	CEC	A/T	Permitting	S P	8/1/2011	5/1/2011	6/1/2011		-	-	-

EN Req	Applicable for KPI	Progress	EMS Plan link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submittal Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Drws/Docs	Actual Submittal Date Drws/Docs	Actual Approval Date Drws/Docs	(Submittal due to Change)	Approved As-Builts	Approved Inspection	COO
Yes	No	Accomplished	N/A	Milestone	N/A	45 days prior to site mobilization	BIO-11	PC	Provide the CEC with the final version of the Desert Tortoise Translocation Plan that has been approved by the Energy Commission staff, USFWS, and CDFG. The CEC will determine the plan's acceptability within 15 working days of receipt of receipt of the final plan.	Provide the CEC with the final version of the Desert Tortoise Translocation Plan that has been approved by the Energy Commission staff, USFWS, and CDFG. The CEC will determine the plan's acceptability within 15 working days of receipt of receipt of the final plan.	45 days prior to site mobilization	CEC	AS	ASI	M S	6/15/2011	5/1/2011	6/1/2011		-	-	-
Yes	No	Accomplished	N/A	Continuous	N/A	N/A	BIO-11	PC	All modifications to the approved Desert Tortoise plan must be made only after approval by the Energy Commission staff, USFWS, and CDFG.	All modifications to the approved Desert Tortoise plan must be made only after approval by the Energy Commission staff, USFWS, and CDFG.	As required	CEC, CDFG, USFWS	AS	ASI	H B	As Req.	As Req.	As Req.	02/22/18 BIO11-01-03 03/01/18 BIO11-01-04 03/09/18 BIO11-01-05 Relocation Translocation Plan	-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	5 working days before implementation	BIO-11	PC	The project owner shall notify the CEC no fewer than five working days before implementing any CEC-approved modifications to the Translocation Plan.	The project owner shall notify the CEC no fewer than five working days before implementing any CEC-approved modifications to the Translocation Plan.	5 working days before implementation	CEC	AS	ASI	H B	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	30 days of completing Desert Tortoise clearance surveys	BIO-11	PC	Submit report to the CEC, USFWS, and CDFG describing how each of the mitigation measures described have been satisfied. The report shall include the desert tortoise survey results, capture and release locations of any translocated desert tortoises, and any other information needed to demonstrate compliance with the measures described.	Submit report to the CEC, USFWS, and CDFG describing how each of the mitigation measures described have been satisfied. The report shall include the desert tortoise survey results, capture and release locations of any translocated desert tortoises, and any other information needed to demonstrate compliance with the measures described.	30 days of completing Desert Tortoise clearance surveys	CEC, CDFG, USFWS	AS	ASI	H B		1/25/11	3/21/2011 CEC Approved BIO11-01-02 Authorization to Construct Tortoise Fence	4/17/12 CEC Approved BIO 11-02-01 survey addendum	4/23/12 CEC Approved BIO 11-02-01 survey addendum	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	Report due within 30 days of completing MGS clearance surveys [Survey required after DT fencing, immed. prior to ground disturbance]	BIO-12	PC	Mohave Ground Squirrel Clearance Surveys: Submit a report to the CEC and CDFG describing how the measures described were implemented. The report shall include the MGS survey results, capture and release locations of any relocated squirrels, and any other information needed to demonstrate compliance with the measures described. [Survey required to be conducted after the installation of the desert tortoise exclusion fence and immediately prior to any ground disturbance.]	Mohave Ground Squirrel Clearance Surveys: Submit a report to the CEC and CDFG describing how the measures described were implemented. The report shall include the MGS survey results, capture and release locations of any relocated squirrels, and any other information needed to demonstrate compliance with the measures described. [Survey required to be conducted after the installation of the desert tortoise exclusion fence and immediately prior to any ground disturbance.]	Report due within 30 days of completing MGS clearance surveys [Survey required after DT fencing, immed. prior to ground disturbance]	CEC, CDFG, USFWS	AS	ASI	M S	6/15/2011	7/25/2011	8/12/2011		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	45 days prior to site mobilization	BIO-13	PC	Provide CEC and CDFG with the final version of the Burrowing Owl Monitoring and Mitigation Plan that has been reviewed and approved by the CEC in consultation with CDFG.	Provide CEC and CDFG with the final version of the Burrowing Owl Monitoring and Mitigation Plan that has been reviewed and approved by the CEC in consultation with CDFG.	45 days prior to site mobilization	CEC/CDFG	AS	ASI	M S	6/15/2011	3/9/2011	3/10/2011		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	10 days after completing burrowing owl surveys	BIO-13	PC	An addendum to the plan, which includes the pre-construction survey results and the CDFG approved amount of compensatory mitigation, shall be submitted.	An addendum to the plan, which includes the pre-construction survey results and the CDFG approved amount of compensatory mitigation, shall be submitted.	10 days after completing burrowing owl surveys	CEC/CDFG	AS	ASI	M S	6/15/2011	Addendum #2 1/24/12 Addendum #1 3/23/11	2/13/2012 Addendum #2		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	5 working days before implementation	BIO-13	PC	All modifications to the approved Plan may be made by the CEC after consultation with CDFG. The project owner shall notify the CEC before implementing any CEC-approved modifications to the Burrowing Owl Monitoring and Mitigation Plan.	All modifications to the approved Plan may be made by the CEC after consultation with CDFG. The project owner shall notify the CEC before implementing any CEC-approved modifications to the Burrowing Owl Monitoring and Mitigation Plan.	5 working days before implementation	CEC/CDFG	AS	ASI	M S	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	within 30 days of completion of surveys	BIO-14	PC	American Badger and Desert Kit Fox Impact Avoidance and Minimization Measures: Submit report to CEC and CDFG after completion of badger and kit fox surveys. The report shall describe survey methods, results, mitigation measures implemented, and the results of the measures.	American Badger and Desert Kit Fox Impact Avoidance and Minimization Measures: Submit report to CEC and CDFG after completion of badger and kit fox surveys. The report shall describe survey methods, results, mitigation measures implemented, and the results of the measures.	within 30 days of completion of surveys	CEC/CDFG	AS	ASI	M S	6/15/2011	9/7/2011	03/02/17 BIO14-03-00 Approval 11/20/12 Extrapolated Guidance for BIO-14 Desert Kit Fox and American Badger Impact Avoidance and Minimization Measures for MSP Operations. Operation Protocol		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	90 days prior to acquisition of property	BIO-15	PC	Submit a formal acquisition proposal to the CEC, CDFG and USFWS describing the parcels intended for purchase or title/easement transfer.	Submit a formal acquisition proposal to the CEC, CDFG and USFWS describing the parcels intended for purchase or title/easement transfer.	90 days prior to acquisition of property	CEC/CDFG	AS	ASI	M S	6/15/2011	Original Plan 02/08/2011 Revised Plan 03/23/2011			-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to ground disturbance	BIO-15	PC	Provide written verification to the CEC that the compensation lands or conservation easements have been acquired and recorded in favor of the approved recipients.	Provide written verification to the CEC that the compensation lands or conservation easements have been acquired and recorded in favor of the approved recipients.	30 days prior to ground disturbance	CEC/CDFG	AS	ASI	M S	-	2/18/2011 PFLAF submitted to CEC	3/23/2011 to CEC CDFG Approved Revised PFLAF 3/18/2011		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	within 6 months of land purchase	BIO-15	PC, CONS	Provide CEC with a management plan for review and approval, in consultation with CDFG, for the compensation lands and associated funds.	Provide CEC with a management plan for review and approval, in consultation with CDFG, for the compensation lands and associated funds.	within 6 months of land purchase	CEC/CDFG	AS	ASI	M S	1/1/2011	3/27/2012	4/16/2012		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	90 days after construction completion	BIO-15	COMM	Provide to the CEC verification that disturbance to desert tortoise and MGS habitat did not exceed 430 acres, and that construction activities did not result in impacts to desert tortoise, MGS, and burrowing owl habitat adjacent to work areas. If habitat disturbance exceeds that described in this analysis, the CEC shall notify of any additional funds required or lands that must be purchased.	Provide to the CEC verification that disturbance to desert tortoise and MGS habitat did not exceed 430 acres, and that construction activities did not result in impacts to desert tortoise, MGS, and burrowing owl habitat adjacent to work areas. If habitat disturbance exceeds that described in this analysis, the CEC shall notify of any additional funds required or lands that must be purchased.	90 days after construction completion	CEC	AS	ASI	H B	As Req.	08/20/2014 BIO15-05-01 Submittal Compensatory Mitigation LOC Return/Release and COC Completion 08/05/2014 BIO15-05-00 Submittal Habitat Mitigation Security Release Request		11/18/2014 Submittal BIO15-05-03 Response to Information Request re Compensation Mitigation LOC Release Request and BIO-15 Completion 10/10/2014 BIO15-05-02 Submittal Response to Information Request	07/19/16 BIO15-06-00 Verification of Habitat Disturbance. 1/7/15 Approval BIO15-05-03 Response to Information Request re Compensation Mitigation, LOC Release Request and BIO-15 Completion	-	-
Yes	No	N/A	N/A	N/A	N/A	N/A	BIO-15	PC	If electing to use an in-lieu fee provision, request from the Energy Commission a determination that the project's in-lieu fee proposal meets CEQA and CESA requirements.	If electing to use an in-lieu fee provision, request from the Energy Commission a determination that the project's in-lieu fee proposal meets CEQA and CESA requirements.	As required	CEC	AS	ASI	M S	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to ground disturbance	BIO-16	PC	Project owner shall submit to the CEC a copy of the Energy Commission staff- and CDFG-approved Tamarisk Eradication Monitoring and Reporting Plan, including success criteria.	Project owner shall submit to the CEC a copy of the Energy Commission staff- and CDFG-approved Tamarisk Eradication Monitoring and Reporting Plan, including success criteria.	30 days prior to ground disturbance	CEC	AS	ASI	M S	7/29/2011	Original 4/11/2011 Final 10/05/2011	10/17/2011	04/27/18 BIO16-03-02 Tamarisk Erradication 08/25/16 BIO16-04-01 Post-Construction Tamarisk Eradication, Monitoring and Reporting Program Report 06/29/18 BIO16-04-00 Post-Construction Tamarisk Eradication, Monitoring and Reporting Program Report 04/27/18 BIO16-03-02 Tamarisk Eradication 08/04/15 Submittal BIO16-02-00 Tamarisk Eradication, Monitoring, and Reporting Program, Rev. 01	-	-	-
Yes	Yes	Accomplished	Tamarisk Eradication, Monitoring, and Reporting Plan/Tamarisk Eradication, Monitoring, and Reporting Plan Reports	Recurrent	Annual	25-dec-15	BIO-16	CONS, COMM, OPS	The Designated Biologist shall submit annual reports to the CEC and CDFG describing the dates, durations and results of monitoring. Reports shall fully describe any actions taken to remedy regrowth. [Monitoring and maintenance of the site shall be conducted for five years unless less monitoring can be justified. Following the first year of monitoring, if the project owner petitions to terminate the monitoring program, staff and CDFG will determine whether more years are of monitoring are needed.]	The Designated Biologist shall submit annual reports to the CEC and CDFG describing the dates, durations and results of monitoring. Reports shall fully describe any actions taken to remedy regrowth. [Monitoring and maintenance of the site shall be conducted for five years unless less monitoring can be justified. Following the first year of monitoring, if the project owner petitions to terminate the monitoring program, staff and CDFG will determine whether more years are of monitoring are needed.]	ACR	CEC	AS	ASI	H B	Annually	Annually	Annually		-	-	-

EN Req	Applicable for KPI	Progress	EMS Plan link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submittal Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Drws/Docs	Actual Submittal Date Drws/Docs	Actual Approval Date Drws/Docs	(Submittal due to Change)	Approved As-Builts	Approved Inspection	COO
Yes	Yes	Accomplished	N/A	Continuous	N/A	N/A	BIO-16	CONS, OPS	The CEC and CDFG shall verify compliance with protective measures to ensure the accuracy of the PO's mitigation, monitoring and reporting efforts; and review relevant documents maintained by the project owner, interview the project owner's employees and agents, inspect the work site and take other actions as necessary to assess compliance with or effectiveness of protective measures.	The CEC and CDFG shall verify compliance with protective measures to ensure the accuracy of the PO's mitigation, monitoring and reporting efforts; and review relevant documents maintained by the project owner, interview the project owner's employees and agents, inspect the work site and take other actions as necessary to assess compliance with or effectiveness of protective measures.	None	CEC, CDFG	AS	ASI	H B	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	60 days prior to ground disturbance	BIO-17	PC	Monitoring Impacts of Solar Collection Technology on Birds: Submit to the CEC, USFWS, and CDFG a draft Bird Monitoring Study.	Monitoring Impacts of Solar Collection Technology on Birds: Submit to the CEC, USFWS, and CDFG a draft Bird Monitoring Study.	60 days prior to ground disturbance	CEC, CDFG, USFWS	AS	ASI	M S		08/12/15 Submittal BIO17-00-02 Draft Bird Monitoring Study 01/17/2017 BIO17-00-07 MSP Bird Monitoring Study (Redlined) 09/11/2017 BIO17-01-00 Migratory Bird Special Purpose Utility Permit and Scientific Collection Permit			-	-	-
Yes	No	Accomplished	Birds Monitoring and Reporting Plan	Milestone	N/A	30 days prior to ground disturbance	BIO-17	PC	Provide CEC with the final version of the Bird Monitoring Plan that has been reviewed and approved by the CEC, in consultation with CDFG and USFWS.	Provide CEC with the final version of the Bird Monitoring Plan that has been reviewed and approved by the CEC, in consultation with CDFG and USFWS.	30 days prior to ground disturbance	CEC, CDFG, USFWS	AS	ASI	M S				12/16/13, BIO17-00-01	-	-	-
Yes	Yes	Accomplished	Birds Monitoring and Reporting Plan/Birds Monitoring and Reporting Plan Reports	Recurrent	quaterly	23-April-15	BIO-17	OPS	Reports to the CEC, CDFG and USFWS describing the dates, durations and results of monitoring. Reports shall provide a detailed description of any project related bird or wildlife deaths or injuries detected.	Reports to the CEC, CDFG and USFWS describing the dates, durations and results of monitoring. Reports shall provide a detailed description of any project related bird or wildlife deaths or injuries detected.	Quarterly after COD, for at least 2 years	CEC, CDFG	AS	ASI	H B	As Req.	As Req.	As Req.		-	-	-
Yes	Yes	Accomplished	Birds Monitoring and Reporting Plan/Birds Monitoring and Reporting Plan Reports	Recurrent	Annual	23-dec-15	BIO-17	OPS	Annual Report summarizing 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. Provided to the CEC, CDFG, and USFWS.	Annual Report summarizing 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. Provided to the CEC, CDFG, and USFWS.	ACR	CEC, CDFG, USFWS	AS	ASI	H B	As Req.	As Req.	As Req.		-	-	-
Yes	Yes	Accomplished	Birds Monitoring and Reporting Plan/Birds Monitoring and Reporting Plan Reports	Recurrent	quaterly	23-April-15	BIO-17	OPS	Quarterly reports shall continue until the CEC, in consultation with CDFG and USFWS, determine whether more years of monitoring are needed, and whether mitigation and/or adaptive management measures are necessary.	Quarterly reports shall continue until the CEC, in consultation with CDFG and USFWS, determine whether more years of monitoring are needed, and whether mitigation and/or adaptive management measures are necessary.	As required	CEC, CDFG, USFWS	AS	ASI	H B	As Req.	As Req.	As Req.		-	-	-
Yes	Yes	Accomplished	Birds Study Design and Monitoring paper	Milestone	N/A	1 year after conclusion of study	BIO-17	OPS	Prepare a paper describing the study design and monitoring results to be submitted to a peer-reviewed scientific journal. Proof of submittal provided to the CEC within one year of concluding the monitoring study.	Prepare a paper describing the study design and monitoring results to be submitted to a peer-reviewed scientific journal. Proof of submittal provided to the CEC within one year of concluding the monitoring study.	1 year after conclusion of study	CEC, CDFG, USFWS	AS	ASI	H B	As Req.	As Req.	As Req.	08/27/19 BIO17-10-00 Bird Monitoring study 3RD Qtr 2018-19 11/25/19 BIO17-02-02 BIO17-02-02 Bird Monitoring Study reporting schedule, second year monitoring (09-AFC-5C) Extention Request 10/18/19 BIO17-05-02 Bird Monitoring Study 3rd Qtr Report Spring 2018 05/23/19 BIO17-09-00 Bird Monitoring Study 2018-2019 2nd Qtr Report 02/13/19 BIO17-08-00 Bird Monitoring Study 2018-2019 1st Qtr Repor 06/11/19 BIO17-07-01 Bird Monitoring Study 2017-2018 Annual Report 11/29/18 BIO17-07-00 Bird Monitoring Study 2017-2018 Annual Report 08/24/18 BIO17-05-00 Bird Monitoring 3rd Qtr 05/23/18 BIO17-04-00 Bird monitoring	-	-	-
Yes	No	Accomplished	Common Raven Monitoring, Management, and Control Plan	Milestone	N/A	31 days prior to ground disturbance	BIO-18	PC	Provide CEC, USFWS and CDFG with the final version of the Raven Management Plan that has been reviewed and approved by USFWS and CDFG. CEC shall determine the plan's acceptability within 10 days of receipt of the final plan.	Provide CEC, USFWS and CDFG with the final version of the Raven Management Plan that has been reviewed and approved by USFWS and CDFG. CEC shall determine the plan's acceptability within 10 days of receipt of the final plan.	30 days prior to ground disturbance	CEC, CDFG, USFWS	AS	ASI	M S		Original 1/11/2011 Final 03/26/2012			-	-	-
Yes	Yes	Accomplished	Common Raven Monitoring, Management, and Control Plan	Milestone	N/A	5 days prior to implementation	BIO-18	PC, CONS, COMM, OPS	All modifications to the approved Raven Management Plan must be made only after consultation with the Energy Commission staff, USFWS, and CDFG. The project owner shall notify the CEC no less than five working days before implementing any CEC-approved modifications to the Raven Plan.	All modifications to the approved Raven Management Plan must be made only after consultation with the Energy Commission staff, USFWS, and CDFG. The project owner shall notify the CEC no less than five working days before implementing any CEC-approved modifications to the Raven Plan.	5 days prior to implementation	CEC, CDFG, USFWS	AS	ASI	M S					-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	Prior to ground disturbance	BIO-18	PC	Submit to the CEC verification of payment to the REAT Account to support the regional raven monitoring plan. Payment shall be included in the AMS project's land management enhancement fund, pursuant to Condition of Certification BIO-15 (5(D)).	Submit to the CEC verification of payment to the REAT Account to support the regional raven monitoring plan. Payment shall be included in the AMS project's land management enhancement fund, pursuant to Condition of Certification BIO-15 (5(D)).	Prior to ground disturbance	CEC, CDFG, USFWS	AS	ASI	M S					-	-	-
Yes	Yes	Accomplished	Common Raven Management Plan Implementation Reports	Milestone	N/A	30 days after completion of construction	BIO-18	COMM & OPS	Provide to the CEC for review and approval a report identifying which items of the Raven 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.	Provide to the CEC for review and approval a report identifying which items of the Raven 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.	30 days after completion of construction	CEC, CDFG, USFWS	AS	ASI	H B	Post COC	-	-		-	-	-
Yes	Yes	Accomplished	Evaporation Pond Plan	Milestone	N/A	90 days prior to evaporation pond operation	BIO-19	COMM & OPS	Submit a draft Evaporation Pond Monitoring and Adaptive Management plan to the CEC that incorporates the guidance in this condition.	Submit a draft Evaporation Pond Monitoring and Adaptive Management plan to the CEC that incorporates the guidance in this condition.	90 days prior to operation of evaporation ponds	CEC, CDFG, USFWS	AS	ASI	H B		12/18/19 BIO19-73-00 11/14/19 BIO19-72-00 10/22/19 BIO19-71-00 10/15/19 BIO19-69-00 09/20/19 BIO19-70-00 08/19/19 BIO19-68-00 07/26/19 BIO19-67-00 06/19/19 BIO19-66-00 05/20/19 BIO19-65-00 04/25/19 BIO19-64-00 03/15/19 BIO19-63-00 02/15/19 BIO19-62-00 01/24/19 BIO19-61-00 01/16/19 BIO19-60-00 12/20/18 BIO19-59-	09/01/15 Approval BIO-19-05-00 Notification of Adaptive Management 08/11/15 Approval BIO-19-03-00 (January Evap Pond Monitoring Report)	6/26/15 Submittal BIO19-00-05 Evaporation Pond and Adaptive Management Plan, Rev. 4.3 3/24/15 BIO19-00-04 Submittal Evaporation Pond and Adaptive Management Plan, Rev. 4.1 2/13/15 Submittal BIO19-00-03 Evap Pond Plan Rev 4 10/24/14 BIO19-00-02 Submittal Evap Pond Plan (Rev3) 8/12/2014 BIO19-00-01 Submittal Evap Pond Plan (Rev2)	-	-	-

EN Req	Applicable for KPI	Progress	EMS Plan link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submittal Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Drws/Docs	Actual Submittal Date Drws/Docs	Actual Approval Date Drws/Docs	(Submittal due to Change)	Approved As-Builts	Approved Inspection	COO
Yes	Yes	Accomplished	Evaporation Pond Plan	Milestone	N/A	30 days prior to evaporation pond operation	BIO-19	COMM & OPS	Provide the CEC, USFWS, RWQCB and CDFG with the final version of the Plan that has been reviewed and approved by the CEC in consultation with USFWS, RWQCB, and CDFG.	Provide the CEC, USFWS, RWQCB and CDFG with the final version of the Plan that has been reviewed and approved by the CEC in consultation with USFWS, RWQCB, and CDFG.	30 days prior to operation of evap ponds	CEC, CDFG, USFWS	AS	ASI	H B		-	-		-	-	-
Yes	Yes	Accomplished	Evaporation Pond Plan	Continuous	N/A	Within 5 days before implementing the approved modification	BIO-19	OPS	Notify the CEC no less than 5 working days before implementing any CEC approved modifications to the Evaporation Pond Plan.	Notify the CEC no less than 5 working days before implementing any CEC approved modifications to the Evaporation Pond Plan.	As required	CEC, CDFG, USFWS	AS	ASI	H B	As Req.	As Req.	-	09/02/2014 CEC approval continued Temporary Discharge to Evap Ponds of Cooling Tower test water.	-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	15 days prior to decomissioning well	BIO-20	CONS	Provide proof, to the satisfaction of the CEC, that the alternate well is completed and able to effectively convey a minimum of 75 acre feet per year to the Harper Dry Lake Marsh. Proof shall include, but not be limited to, a description of the well parameters, as constructed.	Provide proof, to the satisfaction of the CEC, that the alternate well is completed and able to effectively convey a minimum of 75 acre feet per year to the Harper Dry Lake Marsh. Proof shall include, but not be limited to, a description of the well parameters, as constructed.	15 days prior to decomissioning well	CEC	A/T+AS	ASI	T B	8/15/2012	9/24/2012	12/4/2012	09/24/12 BIO20-01-00	-	-	-
Yes	No	Pending	N/A	Milestone	N/A	45 days prior to site mobilization	BIO-21	PC	Submit USFWS Biological Opinion to CEC.	Submit to CEC copy of USFWS Biological Opinion. Verify that the permit terms and conditions of the Biological Opinion are incorporated into the BRMIMP and will be implemented.	45 days prior to site mobilization	CEC	AS	ASI	M S	6/15/2011	3/18/2011	NA	12/19/19 BIO21-07-00 Biological Opinion Annual Compliance Report 2019 12/13/18 BIO21-06-00 Biological Opinion Annual Compliance Report 2018 12/08/17 BIO21-05-00 Biological Opinion Annual Compliance Report 2017	-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	45 days prior to ground disturbance	CUL-1	PC	Prior to the start of ground dis	Provide resumes for CRS and alternates for approval by CEC.	45 days prior to ground disturbance	CEC	AS	ASI	M S	6/15/2011	4/1/2011	6/1/2011		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	20 days prior to ground disturbance	CUL-1	PC	CRS to provide letter to CEC.	CRS shall provide a letter naming anticipated CRMs for the project and stating that they meet the minimum requirements for cultural resource monitoring.	20 days prior to ground disturbance	CEC	AS	CRS	CRS	8/1/2011	4/1/2011	8/1/2011		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	5 days prior to CRMs beginning on-site duties	CUL-1	PC	CRS to provide additional letters to CEC.	If additional CRMs are obtained during the project, the CRS shall provide additional letters to the CPM identifying the CRMs and attesting to the qualifications of the CRMs.	5 days prior to CRMs beginning on-site duties	CEC	AS	CRS	CRS	8/20/2011	4/1/2011	8/20/2011	10/25/2013	-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	10 days prior to specialists begin work	CUL-1	PC	Provide resumes of specialist to CEC.	Resumes of specialists provided to CEC for review and approval.	10 days prior to specialists begin work	CEC	AS	CRS	CRS	8/9/2011	4/1/2011	8/9/2011	10/20/2014 Submittal CUL1-15-00 Cultural Resource Specialist CUL1-14-00 4/2/1/4 Follow up inquiry to 4/1/1/4 Alternate CRS	10/20/2014 Approval CUL1-15-00 Cultural Resource Specialist	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	10 days prior to ground disturbance	CUL-1	PC	Confirm to CEC in writing that CRS is available and on site.	Project owner shall confirm in writing to the CEC that the approved CRS will be available for onsite work and is prepared to implement the cultural resources conditions.	10 days prior to ground disturbance	CEC	AS	CRS	CRS	8/9/2011	4/1/2011	8/9/2011		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	40 days prior to ground disturbance	CUL-2	PC	Provide CRS documents to CEC.	The project owner shall provide the AFC, data responses, and confidential cultural resources documents to the CRS, if needed, and the subject maps and drawings to the CRS and CPM. The CPM will review submittals in consultation with the CRS and approve maps and drawings suitable for cultural resources planning activities.	40 days prior to ground disturbance	CEC	AS	ASI	M S	7/20/2011	4/1/2011	7/20/2011		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	15 days prior to ground disturbance	CUL-2	PC	If there are changes to any project-related footprint, revised maps and drawings shall be provided.	If there are changes to any project-related footprint, revised maps and drawings shall be provided.	15 days prior to ground disturbance	CEC	AS	ASI	M S	8/1/2011	4/1/2011	8/1/2011		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	15 days prior to each phase	CUL-2	PC	If project construction is phased, if not previously provided, submit the subject maps and drawings.	If project construction is phased, if not previously provided, submit the subject maps and drawings.	15 days prior to each phase	CEC	AS	ASI	M S	8/1/2011	4/1/2011	8/1/2011		-	-	-
Yes	No	Accomplished	N/A	Recurrent	Weekly during ground disturbance	N/A	CUL-2	CONS	CRS to provide schedule to CEC.	Current schedule of anticipated project activity shall be provided to the CRS and CEC by letter, e-mail or fax.	Weekly during ground disturbance	CEC	AS	ASI Staff	ASI Staff	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	within 5 days of identifying changes	CUL-2	CONS	Provide written notice of any changes.	Provide written notice of any changes to scheduling of construction phase.	within 5 days of identifying changes	CEC	AS	ASI Staff	ASI Staff	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to ground disturbance	CUL-3	PC	Submit CRMMP to CEC.	Submit the Cultural Resources Monitoring and Mitigation Plan (CRMMP) to the CEC for review and approval.	30 days prior to ground disturbance	CEC	AS	ASI	M S	7/29/2011	6/1/2011	7/1/2011		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to ground disturbance	CUL-3	PC	Letter provided to the CEC indicating that the owner agrees to pay curation fees for any materials collected as a result of the archaeological investigations.	Letter provided to the CEC indicating that the owner agrees to pay curation fees for any materials collected as a result of the archaeological investigations.	30 days prior to ground disturbance	CEC	AS	ASI	M S	7/29/2011	6/1/2011	7/1/2011		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	90 days after completion of ground disturbance (including landscaping)	CUL-4	CONS	Submit the Cultural Resources Report (CRR) to the CEC for review and approval. If any reports have previously been sent to the California Historical Resource Information System (CHRIS), then receipt letters from the CHRIS or other verification of receipt shall be included in an appendix.	Submit the Cultural Resources Report (CRR) to the CEC for review and approval. If any reports have previously been sent to the California Historical Resource Information System (CHRIS), then receipt letters from the CHRIS or other verification of receipt shall be included in an appendix.	90 days after completion of ground disturbance (including landscaping)	CEC	AS	ASI Staff	ASI Staff	10/1/2014	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	90 days after completion of ground disturbance (including landscaping)	CUL-4	CONS	Provide copy of agreement with, or other written commitment from, a curation facility that meets the standards stated in the CA State Historical Resources Commissions Guidelines for the Curation of Archeological 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.	Provide copy of agreement with, or other written commitment from, a curation facility that meets the standards stated in the CA State Historical Resources Commissions Guidelines for the Curation of Archeological 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.	90 days after completion of ground disturbance (including landscaping)	CEC	AS	ASI Staff	ASI Staff	10/1/2014	01/05/2017 CUL4-00-01 Cultural Resources Report - Confidential 11/12/2017 CUL4-00-02 Cultural Resources Report- Release of Artifacts & Docs - Confidential	As Req.		-	-
Yes	No	Accomplished	N/A	Milestone	N/A	within 10 days of CEC approval	CUL-4	CONS	Provide documentation to the CEC confirming that copies of the CRR have been provided to the SHPO, the CHRIS and the curating institution, if archaeological materials were collected.	Provide documentation to the CEC confirming that copies of the CRR have been provided to the SHPO, the CHRIS and the curating institution, if archaeological materials were collected.	within 10 days of CEC approval	CEC	AS	ASI Staff	ASI Staff	7/10/2014	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	within 30 days after requesting a suspension of construction activities	CUL-4	CONS	Submit a draft CRR to the CEC for review and approval.	Submit a draft CRR to the CEC for review and approval.	within 30 days after requesting a suspension of construction activities	CEC	AS	ASI Staff	ASI Staff	8/1/2014	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to ground disturbance	CUL-5	PC	The CRS shall provide the training program draft text and graphics and the informational brochure to the CEC for review and approval. The CPM will provide to the project owner a WEAP Training Acknowledgement form for each WEAP-trained worker to sign.	The CRS shall provide the training program draft text and graphics and the informational brochure to the CEC for review and approval. The CPM will provide to the project owner a WEAP Training Acknowledgement form for each WEAP-trained worker to sign.	30 days prior to ground disturbance	CEC	AS	ASI	M S	7/29/2011	5/29/2011	6/29/2011		-	-	-
Yes	No	Accomplished	N/A	Recurrent	Monthly	MCR	CUL-5	COMM	On a monthly basis, until ground disturbance is completed, the project owner shall provide in the MCR the WEAP Training Acknowledgement forms of workers at the project site and on the linear facilities who have completed training in the prior month and a running total of all persons who have completed training to date.	On a monthly basis, until ground disturbance is completed, the project owner shall provide in the MCR the WEAP Training Acknowledgement forms of workers at the project site and on the linear facilities who have completed training in the prior month and a running total of all persons who have completed training to date.	MCR	CEC	AS	ASI Staff	ASI Staff	Monthly	Monthly	Monthly		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to ground disturbance	CUL-6	PC	CEC will provide to the CRS an electronic copy of a form to be used as a daily monitoring log.	CEC will provide to the CRS an electronic copy of a form to be used as a daily monitoring log.	30 days prior to ground disturbance	CEC/CRS	AS	ASI	M S	7/29/2011	5/29/2011	6/29/2011		-	-	-
Yes	No	Accomplished	N/A	Recurrent	Monthly	MCR	CUL-6	CONS	While monitoring is on-going, include a copy of the monthly summary report of cultural resources-related monitoring prepared by the CRS.	While monitoring is on-going, include a copy of the monthly summary report of cultural resources-related monitoring prepared by the CRS.	MCR	CEC	AS	ASI Staff	ASI Staff	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Recurrent	Dayly	N/A	CUL-6	CONS	Daily, as long as no cultural resources are found, the CRS shall provide a statement that "no cultural resources over 50 years of age were discovered" to the CEC as an e-mail, or in some other form acceptable to the CEC. 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 CEC for review and approval at least 24 hours prior to reducing or ending daily reporting.	Daily, as long as no cultural resources are found, the CRS shall provide a statement that "no cultural resources over 50 years of age were discovered" to the CEC as an e-mail, or in some other form acceptable to the CEC. 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 CEC for review and approval at least 24 hours prior to reducing or ending daily reporting.	Daily logs emailed to CEC	CEC	AS	ASI Staff	ASI Staff	Daily	Daily	Daily		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	24 hours prior to implementing a proposed change	CUL-6	CONS	At least 24 hours prior to implementing a proposed change in monitoring level, documentation justifying the change shall be submitted to the CEC for review and approval.	At least 24 hours prior to implementing a proposed change in monitoring level, documentation justifying the change shall be submitted to the CEC for review and approval.	24 hours prior to implementing a proposed change	CEC	AS	ASI Staff	ASI Staff	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	30 days after discovery of Native American Artifacts	CUL-6	CONS	Following the discovery of any Native American cultural materials, submit to the CEC copies of the information transmittal letters sent to the Chairperson of the Native American tribes or groups who requested the information. Additionally, submit to the CEC copies of letters of transmittal for all subsequent responses to Native American requests for notification, consultation, and reports and records and any comments or information provided in response by the Native Americans.	Following the discovery of any Native American cultural materials, submit to the CEC copies of the information transmittal letters sent to the Chairperson of the Native American tribes or groups who requested the information. Additionally, submit to the CEC copies of letters of transmittal for all subsequent responses to Native American requests for notification, consultation, and reports and records and any comments or information provided in response by the Native Americans.	30 days after discovery of Native American Artifacts	CEC	AS	ASI Staff	ASI Staff	As Req.	As Req.	As Req.		-	-	-

EN Req	Applicable for KPI	Progress	EMS Plan link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submittal Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Drws/Docs	Actual Submittal Date Drws/Docs	Actual Approval Date Drws/Docs	(Submittal due to Change)	Approved As-Builts	Approved Inspection	COO
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to ground disturbance	CUL-7	PC	Provide CEC and CRS letter to give CRM's authority to halt construction activities given a culture resource discovery is found.	Provide the CEC and 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 resource discovery, and that the project owner shall ensure that the CRS notifies the CEC 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.	30 days prior to ground disturbance	CEC/CRS	AS	ASI	M S	7/29/2011	5/29/2011	6/29/2011		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	24 hours following the notification of the CEC.	CUL-7	CONS	Submit CRS form no less than 24 hours after a cultural resource is found.	Completed DPR 523 forms for resources newly discovered during construction shall be submitted to the CEC for review and approval no later than 24 hours following the notification of the CEC, or 48 hours following the completion of data recordation/recovery, whichever the CRS decides is more appropriate for the subject cultural resource.	24 hours following the notification of the CEC.	CEC	AS	ASI	H B	As Req.	As Req.	As Req.		-	-	-
Yes	Yes	Accomplished	HMB Plan/Hazardous Materials List	Recurrent	Annual	23-dec-15	HAZ-1	OPS	Provide Hazardous Materials list to CEC.	Provide to the CEC a list of hazardous materials contained at the facility.	MCR	CEC	A/T + AS	Permitting/ASI	S P/H B	As Req.	5/5/15 Submittal HAZ1-03-00 SBCFD approved permit for above ground gasoline and diesel tanks.	As Req.	11/08/18 HAZ1-04-00 12/06/16 HAZ1-03-00 07/01/2014 HAZ-1-02-00 Submittal Updated Chemical List 4/30/2014 HAZ1-01-00	11/08/18 HAZ1-04-00 08/21/2014 HAZ-1-02-00 Approval Updated Chemical List 5/20/2014 CEC APPROVAL	-	-
Yes	Yes	Accomplished	HMB Plan SPCC Plan PSM Plan	Milestone	N/A	60 days prior to receiving hazardous material for COMM or OPS	HAZ-2	CONS	Provide a Haz Mat Business Plan, SPCC Plan and Process Safety Management Plan to SBC for comment and CEC for review.	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, Spill Prevention, Control, and Countermeasure Plan, and a Process Safety Management Plan to the CEC for approval.	60 days prior to receiving hazardous material for COMM or OPS	SBC/CEC	A/T + AS	ASI/Permitting	H B/S P	12/15/2013	7/23/2013	HAZ-00-00 HMBP Provided to the CEC and SBC 07.23.2013 CEC approval 08.01.2013 HAZ-00-01 PSM SPCC Provided to the CEC 10.29.2013 SPCC CEC approval 11.25.2013 PSMP 02/10/2014	4/23/14 HAZ-05-00 Chemical cleaning procedure proposal revision - waster water to Baker tanks & roads 03/25/2014 revised 3/26/2014 HMBP HAZ-03-00	11/14/18 HAZ02-08-03 Revised 02/22/18 HAZ2-08-03 05/05/17 HAZ2-08-02 08/21/14 HAZ-2-07-00 Approval Revised HMBP 5/2/14 Approval HAZ2-04-00 4/29/14 Approval HAZ2-05-00 4/16/14 HAZ2 HMBP Revision Update Approval HAZ2-02-00 CEC approval 03/03/2014 Revision of the SPCC.	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	60 days prior to delivery of any liquid hazardous materials to facility	HAZ-3	CONS	Provide a Safety Management Plan to the CEC.	Provide a Safety Management Plan as described to the CEC for review and approval.	60 days prior to delivery of any liquid hazardous materials to facility	CEC	A/T + AS	ASI/Permitting	H B/S P	8/15/2013	7/16/2013	HAZ3-01-03 HAZ3-01-01 Safety Management Plan Provided to the CEC 07.16.2013 CEC approval 08.01.2013 Revised 10.31.2013 CEC approval 01.30.2014		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	60 days prior to commencement of solar array construction	HAZ-4	CONS	Provide HTF Pipe Loop Drawings to CEC.	Provide the design drawings as described in COC HAZ-4 to the CPM for review and approval. [The project owner shall place an adequate number of isolation valves in the Heat Transfer Fluid (HTF) pipe loops so as to be able to isolate a solar collector loop in the event of a leak of fluid.]	60 days prior to commencement of solar array construction	CEC	A/T	Permitting	S P	4/12/2013	8/12/2012 initial, 4/12/2013 final	6/3/2013		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to construction	HAZ-5	PC	Submit Site Security plan 30 days prior to construction.	Notify the CPM that a site-specific Construction Security Plan is available for review and approval.	30 days prior to construction	CEC	A/T	Permitting	S P	4/24/2013	6/22/2011 initial, 4/24/2013 final	6/3/2013		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to initial receipt of hazardous materials on-site	HAZ-6	COMM	Provide the Site-specific Security plan to the CEC for review and approval.	The project owner shall notify the CEC that a site-specific operations site security plan is available for review and approval.	30 days prior to initial receipt of hazardous materials on-site	CEC	A/T + AS	ASI/Permitting	H B/S P	12/15/2013	12/17/2013	HAZ6-00-00 SENT TO THE CEC 12.17.2013 CONDITIONAL APPROVAL 01.07.2014 FINAL APPROVAL PENDING	-	-	-
Yes	Yes	Accomplished	HMB Plan/HMB Plan Records	Recurrent	Annual	23-dec-15	HAZ-6	COMM & OPS	Provide statement in ACR that background checks for all employees have been performed.	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 that updated certification statements have been 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.	ACR	CEC	AS	ASI Staff	ASI Staff	As Req.	As Req.	HAZ6-01-00 (should be HAZ6-01-01) CEC approved 03/03/2014	-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	60 days prior to commencement of solar array piping construction	HAZ-7	CONS	Provide HTF crossing plans for Harper Lake Road to the CEC for review and approval.	Provide the design drawings as described in COC HAZ-7 to the CEC for review and approval. [The project owner shall ensure that all pipes carrying heat transfer fluid (HTF), all command and control systems, and the fire water loop that are required to cross Harper Lake Road or Lockhart Road will be placed underground for the crossing.] 12/12/2012 CEC Notice od Decision noted fire water loops need not be placed in solar field.	60 days prior to commencement of solar array piping construction	CEC	A/T	Permitting	S P	4/9/2013	7/6/2012 initial, 4/9/2013 final	6/3/2013		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to commencement of ground-disturbing activities within the 128-acre crop circle area identified for farmland mitigation.	LAND-1	PC	Provide conservation easement or fee title deed	Option A: The project owner shall provide to the CPM copy(-ies) of the executed agricultural conservation easement(s) or fee title deed of protected farmland held by the approved land trust along with documentation of payment of stewardship and enforcement endowment funds to the land trust.	30 days prior to commencement of ground-disturbing activities within the 128-acre crop circle area identified for farmland mitigation.	CEC	AS	ASI	M S	7/29/2011	1/5/2012	1/6/2012	Verification changed by LAND1-01-00 Submitted 6/29/2011 Approved 7/29/2011	-	-	-
Yes	Yes	Accomplished	N/A	Milestone	N/A	23-dec-18	LAND-1	OPS	Provide conservation easement or fee title deed with security deposit	Option B: The project owner may proceed with ground-disturbing activities within the 128-acre crop circle area identified for farmland mitigation before fully completing the required compensatory mitigation only if: - Provide security deposit sufficient to cover the estimated acquisition costs of a conservation easement or fee title purchase of farmland mitigation lands. - Security deposit based on an independent appraisal conducted on available, comparable, farmland property on behalf of the agricultural land trust - Security deposit shall be held by The Community Foundation - 30 days prior to commencement of ground-disturbing activities within the 128-acre crop circle area identified for farmland mitigation.	3 years after commercial operation	CEC	AS	ASI Staff	MS	As Req.	As Req.	As Req.	Not Required. Satisfied by Option A	-	-	-
Yes	Yes	Accomplished	N/A	Recurrent	Annual	23-dec-15	LAND-1	OPS	Provide CEC update of lease purchase.	Provide to the CEC updates on the status of farmland/easement purchase(s).	Annual Compliance Report once operational	CEC	AS	ASI Staff	MS	As Req.	As Req.	As Req.	1/0/1900	-	-	-
Yes	Yes	Accomplished	N/A	Milestone	N/A	12 months prior to planned closure/decommissioning	LAND-2	OPS	Submit closure plan within 12 months of planned closure.	Consistent with the requirements of COMPLIANCE-11, incorporate the applicable requirements of the San Bernardino County Development Code section 84.29.060, Decommissioning Requirements, into the AMS Facility Closure Plan, to the extent feasible, and in as much as the county requirements do not conflict with the California Energy Commission's requirements and standards related to the closure of power generating facilities. Consistent with the requirements of COMPLIANCE-11, submit the Facility Closure Plan to the CEC.	12 months prior to planned closure/decommissioning	CEC/SBC	AS	ASI Staff	ASI Staff	As Req.	As Req.	As Req.	1/0/1900	-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to construction	LAND-3	PC	Submit final plat to CEC.	Submit evidence to the CEC, indicating approval of the merger of parcels by San Bernardino County, or written approval of another process that is acceptable to the county. Shall include evidence of compliance with all conditions and requirements associated with the approval of the Certificate of Merger and/or Notice of Lot Line Adjustment by the county. If all parcels or portions of parcels are not owned by the PO at the time of the merger, a separate deed shall be executed and recorded with the county recorder. A copy of the recorded deed shall be submitted to the CEC, as part of the compliance package.	30 days prior to construction	CEC/SBC	AS	ASI	M S	6/29/2011	7/22/2011	7/28/2011	1/0/1900	-	-	-

EN Req	Applicable for KPI	Progress	EMS Plan link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submittal Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Drws/Docs	Actual Submittal Date Drws/Docs	Actual Approval Date Drws/Docs	(Submittal due to Change)	Approved As-Builts	Approved Inspection	COO
Yes	No	Accomplished	N/A	Milestone	N/A	15 days prior to ground disturbance	NOISE-1	PC	Submit to CEC statement signed by owner that notification was performed.	The project owner shall transmit to the compliance project manager (CEC) 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. This communication shall also verify that the telephone number has been established and posted at the site, and shall provide that telephone number.	15 days prior to ground disturbance	CEC	AS	ASI	M S	6/14/2011	2/28/2011	8/1/2011		-	-	-
Yes	Yes	Accomplished	N/A	Continuous	N/A	N/A	NOISE-1	CONS & OPS	Maintain complaint phone line	Maintain Noise complaint phone line for 1 year after COD	During construction to 1 year after COD	CEC	A/T & AS	Permitting/ASI	MS/SP	As Req.	As Req.	As Req.				
Yes	Yes	Accomplished	Noise Complaints Management Procedure/Noise Complaints Records	Milestone	N/A	within 5 days of receiving complaint	NOISE-2	CONS & OPS	Submit any Noise Complaint to CEC within 5 days of receipt.	The project owner shall file a Noise Complaint Resolution Form, shown below, with both the local jurisdiction and the CEC, that documents the resolution of the complaint. If mitigation is required to resolve the complaint, and the complaint is not resolved within a three-day period, the project owner shall submit an updated Noise Complaint Resolution Form when the mitigation is performed and complete.	within 5 days of receiving complaint	CEC	A/T + AS	Permitting/ASI	M S/S P	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to ground disturbance	NOISE-3	PC	Submit Noise Control plan.	Submit the noise control program to the CEC. Make the program available to Cal-OSHA upon request.	30 days prior to ground disturbance	CEC/CAL-OSHA	A/T + AS	Permitting/ASI	M S/S P	6/29/2011	5/29/2011	6/29/2011		-	-	-
Yes	Yes	Accomplished	N/A	Milestone	N/A	within 90 days of project achieving sustained output >=90% of rated capacity	NOISE-4	OPS	Conduct 25 hour survey at LT-1 on a windy day.	Conduct a 25 hour survey at LT-1 on a windy day, it shall include measurement of one-third octave band sound pressure levels to ensure no new pure-tone noise components have been caused by the project.	within 90 days of project achieving sustained output >= 90% of rated capacity	CEC	AS	ASI Staff	H B	As Req.	-	-		-	-	-
Yes	Yes	Accomplished	N/A	Milestone	N/A	within 30 days of completing survey	NOISE-4	OPS	Submit summary report 30 days after completing survey	Submit a summary report to the CEC. Include a description of any additional mitigation measures necessary to achieve compliance with the listed noise limit, and a schedule for implementing these measures. When the measures are in place the survey shall be repeated.	within 30 days of completing survey	CEC	AS	ASI Staff	H B	As Req.	-	-		-	-	-
Yes	Yes	Accomplished	N/A	Milestone	N/A	within 30 days of completing new survey	NOISE-4	OPS	Submit a copy of summary report to CEC.	Submit to the CEC a summary report of the new noise survey, performed as described and showing compliance with this condition.	within 30 days of completing new survey	CEC	AS	ASI Staff	H B	As Req.	-	-		-	-	-
No	No	N/A	N/A				NOISE-5	OPS	Conduct occupational noise survey.	The project owner shall conduct an occupational noise survey to identify any noise hazardous areas in the facility.	after achieving sustained output >= 90% of rated capacity	CEC	AS	ASI Staff	H B	As Req.	-	-		-	-	-
No	No	N/A	N/A				NOISE-5	OPS	Submit Noise survey to CEC.	Submit noise survey report to the CEC. Make the report available to OSHA and Cal-OSHA on request.	within 30 days of completing survey	CEC	AS	ASI Staff	H B	As Req.	-	-		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	Prior to ground disturbance	NOISE-6	PC	Submit to CEC statement acknowledging the restrictions will be observed throughout construction.	Transmit to the CEC a statement acknowledging that the restrictions will be observed throughout the construction of the project.	Prior to ground disturbance	CEC	AS	ASI	M S	6/29/2011	5/29/2011 (NOISE-01-00, approved 6/29/11)	NOISE-02-00 SENT TO THE CEC 07.12.2013 APPROVED 07.12.2013 NOISE-03-00 SENT TO THE CEC 12.12.2013 APPROVED 12.20.2013		-	-	-
Yes	No	Accomplished	N/A			15 days prior to the first steam blow	NOISE-7	COMM	Notify all residents and businesses within 2 miles of the site 30 days prior to start of project.	Notify all residents and business owners within two miles of the project site. The notification may be in the form of letters, phone calls, fliers, or other effective means as approved by the CEC. The notification shall include a description of the purpose and nature of the steam blow(s), the planned schedule, expected sound levels, and explanation that it is a one-time activity and not part of normal plant operation. During steam blow activities, noise levels will be monitored at receptor locations LT-1, ST-1 and ST-2 and the results reported to the CEC.	15 days prior to the first steam blow	CEC	A/T + AS	Permitting/ASI	H B/S P		4/18/14 NOISE7-00-00 Submittal	10/21/2014 Submittal NOISE-7-01-00 Steam Blow noise level meter readings 4/18/14 NOISE7-00-00 Submittal		-	-	-
No	No	Accomplished	Cooling Water Management Plan	Milestone	N/A	60 days prior to commencement of cooling tower operations	PUBLIC HEALTH-1	COMM	Submit Cooling Water Management Plan to CEC.	The Cooling Water Management Plan shall be provided to the CPM for review and approval.	60 days prior to commencement of cooling tower operations	CEC	A/T + AS	ASI/Permitting	H B/S P	5/1/2014	Public Health-1-00-0 2/14/2014	Public Health-1-00-0 2/28/2014		-	-	-
Yes	No	Pending	DESCP	Milestone	N/A	No later than 60 days prior to site mobilization	SOIL&WATER-1	PC	Prior to site mobilization, the project owner shall obtain the CPM approval for a site specific DESCP.	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 CBO for review and approval.	No later than 60 days prior to site mobilization	Submit simultaneously to the County of San Bernardino and Lahontan RWQCB no later than 60 days prior to site mobilization	A/T	Permitting	S P	6/29/2011	Tortise Fence 3/4/11 SWAT1-01-01 Draft DESCP 7/1/11 SWAT1-02-00 Final DESCP 3/21/14 SWAT1-03-00	Tortoise Fence SWAT1-01-01 Draft DESCP 8/12/11 SWAT1-02-00 Final DESCP 5/5/14 SWAT1-03-00 07/13/2017 SWAT1-04-00		-	-	-
Yes	No	Pending	DESCP	Milestone	N/A	After review comments have been received	SOIL&WATER-1	PC	Submit DESCP Plan to CEC, SBC and RWQCB	Submit a copy of the Drainage, Erosion, and Sediment Control Plan (DESCP) to the County of San Bernadino and the RWQCB for review and comment. CPM shall consider comments from county and RWQCB and approve the DESCP based upon comments as appropriate.	After review comments have been received	CPM shall consider comments from the County of San Bernardino and Lahontan RWQCB and approve the DESCP based on comments as appropriate	A/T	Permitting	S P	6/29/2011	4/29/2011	6/29/2011		07/27/17 SWAT1-05-00 Mojave Solar Project Notice of Non Applicability NONA for Waste Discharger Identification Number 6B36C3617 07/13/17 SWAT1-04-00 MSP Notice of Termination for Waste Discharger Identification Number 6B36C361721 09-AFC-5 5/5/14 SWAT1-03-00 Approval DESCP revision	-	-
Yes	No	Accomplished	N/A	Recurrent	Monthly	MCR	SOIL&WATER-1	CONS	Provide SWPPP Udates in MCR.	Provide an analysis on the effectiveness of the drainage, erosion, and sediment control measures and the results of monitoring and maintenance activities.	Monthly during construction	CPM	A/T	Permitting	S P	Monthly	Monthly	Monthly		-	-	-
Yes	Yes	Accomplished	BMP Monitoring Plan/BMP Monitoring Plan Records	Recurrent	Annual	23-dec-15	SOIL&WATER-1	OPS	Provide SWPPP Udates to CEC.	Provide information on the results of storm water BMP monitoring and maintenance activities. Also indicate what maintenance activities were completed to maintain the project's on-site storm water flow.	Annually once operational	CEC	A/T	Permitting	S P	Annually	Annually	Annually		-	-	-
Yes	Yes	Accomplished	N/A	Continuous	N/A	N/A	SOIL&WATER-1	CONS & OPS	Provide 2 Copies of SWPPP Udates to CEC.	Provide the CPM with two copies each of all monitoring or compliance reports.	As required	CEC	A/T + AS	Permitting/ASI	H B/S P	As Req.	As Req.	As Req.		-	-	-
Yes	Yes	Accomplished	Groundwater Monitoring and Reporting Plan/Evaporation Pond Closure Plan/LTU Closure Plan/Reasonable Foreseeable Release Response Plan/Bioremediation Plan/WDR's Compliance Records	Milestone	N/A	No later than 60 days prior to wastewater or stormwater discharge or use of land treatment units	SOIL&WATER-2	CONS & OPS	The project owner shall comply with the Waste Discharge Requirements (WDR's) established in Soil and Water Resources Appendices C, D and E for the construction and operation of the surface impoundments (evaporation ponds), land treatment units, and storm water management system.	Provide documentation to the CPM, with copies to the Lahontan RWQCB, demonstrating compliance with the WDRs established in Appendices C, D, and E.	No later than 60 days prior to wastewater or stormwater discharge or use of land treatment units	Submit copies to both Lahontan RWQCB and CEC no later than 60 days prior to wastewater or stormwater discharge or use of land treatment units	A/T + AS	Permitting/ASI	H B/S P		11/26/14 Submittal SWAT2-13-00 Condensate BOP test waters for dust control 9/26/2014 Submittal SWAT2-11-00 Steam blow test water/dust control 08/29/2014 Approval (Temporary Discharge Continued) Cooling Tower test water/Evap Ponds 6/3/2014 SWAT2-08-00 Submittal DMP & GMNP (Combo) 6/8/2013 for LTU's 5/11/2013 for Evap Pond 11/26/13 for Monitoring wells	11/20/2014 Approval SWAT2-13-00 Condensate BOP test waters for dust control 10/02/2014 Approval SWAT2-11-00 Steam blow test water/dust control 09/02/2014 Approval (Temporary Discharge Continued) Cooling Tower test water/Evap Ponds 07/25/2014 CEC Approval Conditional Use of Evaporation Ponds 07/08/2014 Conditional Approval DMP and GMNP 8/8/2013 for LTU's, 6/11/2013 for Evap Pond SWAT2-03-01 Monitoring Wells Into the CEC 11.26.2013 Approved 01.10.2014	10/27/2014 Submittal SWAT2-12-00 DMP/GMN rev 4 8/21/2014 SWAT2-09-05 Submittal DMP and GMNP 8/20/14 Performance Bond for Closure and the Performance Bond for Corrective Action sent to CEC. 08/19/2014 SWAT2-10-05 Submittal Reasonably Foreseeable Release Response Plan, Revision 5 and Evaporation Pond Closure Plan, Land Treatment Unit Closure Plan. 7/22/2014 SWAT2-10-01 Submittal Evap Pond and LTU Closure, and RFRR Plans (Rev2) 08/15/2014 SWAT2-09-04 Submittal DMP and GMNP 08/1/2014 SWAT2-09-03 Submittal	05/31/17 SWAT2-17-01 05/10/17 SWAT2-17-00 02/15/17 SWAT2-16-00 09/13/16 SWAT2-15-02 05/20/16 SWAT2-15-01 SWAT2-15-00 2/6/15 Submittal SWAT2-14-00 Ponding Water for Dust Control 11/24/14 SWAT2-13-00 Approval 11/13/14 Approval SWAT2-12-00 DMP/GMN rev 4 8/26/2014 Approval SWAT2-09-05 DMP and GMNP 8/21/14 Performance Bond for Closure and the Performance Bond for Corrective Action received by CEC. 6/17/14 SWAT2-08-02 Approved by CEC Cooling Tower/WTP Wastewater Discharge	-	-

EN Req	Applicable for KPI	Progress	EMS Plan link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submittal Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Drws/Docs	Actual Submittal Date Drws/Docs	Actual Approval Date Drws/Docs	(Submittal due to Change)	Approved As-Builts	Approved Inspection	COO
Yes	Yes	Accomplished	WDR's Compliance Records	Milestone	N/A	Prior to initiation of any design, construction, or operational changes	SOIL&WATER-2	CONS & OPS	Submit any design changes to CEC and LRWQCB for review and approval.	Any changes to the design, construction, or operation of the ponds, treatment units, or storm water system shall be requested in writing to the CPM, with copies to the Lahontan RWQCB, and approved by the CPM, in consultation with the Lahontan RWQCB, prior to initiation of any changes.	Prior to initiation of any design, construction, or operational changes	Request in writing any changes to CEC with copies to Lahontan RWQCB	A/T + AS	Permitting/ASI	H B/S P	As Req.	8/5/13 for LTU's 1/6/14 for Rev2 Monitor Well Install 1/9/14 for Rev3 Monitor Well Install	8/9/13 for LTU's SWAT2-02-00 1/13/14 Rev3 Monitor Well Install SWAT2-05-02 02/15/2017 SWAT2-16-00 Installation of new set of Evaporators at Evaporation Ponds		-	-	-
Yes	Yes	Accomplished	N/A	Recurrent	Annual	23-dec-15	SOIL&WATER-2	OPS	Pay Annual Discharge Fees to LRWQCB and send a copy of receipt to CEC.	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.	Annually	Pay annual fees to Lahontan RWQCB, Provide a copy of receipt to CEC	AS	ASI	H B	As Req.	As Req.	As Req.		-	-	-
Yes	Yes	Accomplished	WDR's Compliance Records	Continuous	N/A	N/A	SOIL&WATER-2	OPS	Provide CEC all monitoring reports with copies to RWQCB	Provide to the CPM, with copies to the Lahontan RWQCB, all monitoring reports required by the WDRs, and fully explain any violations, exceedances, enforcement actions, or corrective actions related to construction or operation of the ponds, treatment units, or storm water system.	As required	Provide a copy of any monitoring reports required by the WDR's to CEC, with a copy to Lahontan RWQCB	AS	ASI	H B	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	Channel Maintenance Plan	Milestone	N/A	60 days prior to commercial operation	SOIL&WATER-3	COMM	The AMS project shall develop and implement a Channel Maintenance Program for routine maintenance of the AMS project storm water channels.	Submit to the CPM a Channel Maintenance Plan for review and approval.	60 days prior to commercial operation	Submit to CEC at least 60 days before the start of plant operations	A/T	Permitting	S P	5/1/2014	5/30/14 SWAT3-00-00	6/5/2014		-	-	-
Yes	Yes	Accomplished	Channel Maintenance Plan	Milestone	N/A	60days prior to implementing changes	SOIL&WATER-3	CONS & OPS	Notify CEC of any changes to Channel Maintenance Plan	Provide written notification to the CPM at least 60 days in advance of any planned changes to the Channel Maintenance Plan.	60 days prior to implementing changes to plan	Provide written notification to CPM at least 60 days in advance of any changes to the Channel Maintenance Plan	A/T + AS	Permitting/ASI	H B/S P	As Req.	As Req.	As Req.		-	-	-
Yes	Yes	Accomplished	Channel Maintenance Plan	Milestone	N/A	When the Channel Maintenance Plan changes	SOIL&WATER-3	CONS & OPS	Implement the Channel Maintenance Plan.	Implement the Channel Maintenance Plan in Item D (Channel Maintenance Plan and Reporting)	As required	CPM	A/T + AS	Permitting/ASI	H B/S P	As Req.	As Req.	As Req.		-	-	-
Yes	Yes	Accomplished	Channel Maintenance Training Records	Recurrent	Annual	23-dec-15	SOIL&WATER-3	CONS & OPS	Ensure AMS workers receive training on the Channel Maintenance Plan	Ensure that the AMS project Construction and Operations Managers receive training on the Channel Maintenance Plan.	As required	CPM	A/T + AS	Permitting/ASI	H B/S P	As Req.	As Req.	As Req.		-	-	-
Yes	Yes	Accomplished	Annual Channel Maintenance Report	Recurrent	Annual	23-dec-15	SOIL&WATER-3	OPS	Submit Annual Channel Maintenance Report.	Submit an Annual Channel Maintenance Report that specifies which maintenance activities were completed during the year including type of work, location, and measure of the activity (e.g. cubic yards of sediment removed).	Annually	Submit to CPM an annual report indicating which maintenance activities were performed	AS	ASI	H B	-	-	-		-	-	-
Yes	No	Pending	N/A	Milestone	N/A	60 days prior to construction of on-site groundwater wells	SOIL&WATER-4	CONS	Pre-well Installation: The project owner shall construct and operate up to two on-site groundwater wells that produce water from the Harper Valley Groundwater Basin and two backup wells.	Submit a Groundwater Monitoring and Management Plan to the County of San Bernardino for review and comment (see Condition of Certification SOIL&WATER-6).	60 days prior to construction of on-site groundwater wells	SBC	A/T	Permitting	S P	-		See Individual Well Folders			-	-
Yes	No	Accomplished	N/A	Milestone	N/A	60 days prior to the abandonment and const. of the on-site groundwater wells	SOIL&WATER-4	CONS	Submit to CEC a copy of the Well Abandonment Packet.	Submit to the CPM a copy of the water well abandonment and construction packet submitted to the County of San Bernardino for review and comment.	60 days prior to the abandonment and const. of the on-site groundwater wells	Submit to CPM a copy of the water well and abandonment and construction packet submitted to County of San Bernardino no later than 60 days prior to abandonment and construction of the on-site groundwater wells	A/T	Permitting	S P	6/29/2011	4/17/15 Submittal SWAT4-17-00 Beta 3 discharge to BLM wetlands Wells #27, 29, Edison 1/24/12 Wells #3,18,20,25,26 5/14/12 Wetland & Ryken well 5/29/13 Production wells 2/16/12	SWAT4-02-00 2/21/22 SWAT4-04-00 5/18/12 SWAT4-08-00 6/15/13 SWAT4-01-02 2/21/12	9/20/19 SWAT04-19-02 9/5/19 SWAT04-19-01 8/27/19 SWAT04-19-00 09/25/15 SWAT04-18-00 04/17/15 SWAT04-17-00 10/24/14 Submittal SWAT4-16-00 SBC well permits\completion reports for abandonment of Alpha & Beta evap ponds monitoring wells 9/9/14 Submittal SWAT4-13-01 Revised Well Certification Letter Alpha1,2; Beta 3,4; Monitoring Well Beta 1 9/4/2014 Submittal SWAT4-13-00 Well Certification Letter Alpha1,2; Beta 3,4; Monitoring Well Beta 1 9/4/2014 Submittal SWAT4-12-00 Beta 4 Well SBC signoff 6/12/2012 Submittal SWAT4-05-00 New Beta location 1/31/2014 Submittal SWAT4-10-00 Beta 4 Location	10/30/14 Approval SWAT4-16-00 SBC well permits\completion reports for abandonment of Alpha & Beta evap ponds monitoring wells 06/24/2012 Approval SWAT4-05-00 New Beta location 02/4/2014 Approval SWAT4-10-00 Beta 4 Location	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to construction of on-site water supply wells	SOIL&WATER-4	CONS	Submit to CEC a copy of any comments from SBC.	Submit a copy of any written comments received from the County of San Bernardino indicating whether the proposed well abandonment and construction activities comply with all county well requirements and meet the requirements established by the county's water well permit program.	30 days prior to construction of on-site water supply wells	Submit to CPM a copy of any written comments from County of San Bernardino indicating whether proposed well abandonment and construction activities comply with all county standards no later than 30 days prior to construction of on-site wells	A/T	Permitting	S P	6/29/2011	-	-		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	60 days after installation of each well	SOIL&WATER-4	CONS	Provide Well Completion Reports to CEC.	Provide to the CEC copies of the Well Completion Reports submitted to the DWR by the well driller. Submit to the CEC, together with the Well Completion Report, a copy of well drilling logs, water quality analyses, and any inspection reports.	60 days after installation of each well	Submit to CPM copies of the well completion reports submitted to CA DWR no later than 60 days after installation of each well	A/T	Permitting	S P		3/29/13 Withdrawal SWAT4-17-00 Beta 3 discharge to BLM wetlands. 4/17/15 Submittal SWAT4-17-00 Beta 3 discharge to BLM wetlands 9/30/2014 Submittal SWAT4-14-00 SBC sign-off for Alpha 1 9/30/2014 SWAT4-15-00 Submittal SBC sign-off for Alpha 2 5/22/14 SWAT4-11-00 Beta #4 8/26/2013 SWAT4-06-00 BETA 3	10/10/2014 Approval SWAT4-14-00 SBC sign-off for Alpha 1 10/10/2014 SWAT4-15-00 Approval SBC sign-off for Alpha 2 5/06/2014 SWAT4-11-00 Beta #4 12/14/2012 SWAT4-06-00 ALPHA 1 & 2 12/14/12 SWAT4-09-00 Beta #3		-	-	-
Yes	Yes	Accomplished	N/A	Milestone	N/A	When a well construction or operation change may occur	SOIL&WATER-4	CONS & OPS	Submit 2 Copies of any changes to Well Construction.	Submit two (2) copies to the CPM for review and approval any proposed well construction or operation changes.	During const & op life of well	CEC	A/T + AS	Permitting/ASI	H B/S P	As Req.	As Req.	As Req.		-	-	-
Yes	Yes	Accomplished	Water Well Compliance Reports	Continuous	N/A	N/A	SOIL&WATER-4	OPS	Submit 2 Copies of all monitoring reports.	Provide the CPM with 2 copies of all monitoring and other reports required for compliance with the County of San Bernardino water well standards and operation requirements.	As required	CEC	AS	ASI	H B	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	15 days after completion of wells	SOIL&WATER-4	CONS	Submit Documentation to CEC confirming all drilling and disposal was per applicable LORS.	Submit documentation to the CEC 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 on-site drilling sumps used for project drilling activities were removed in compliance with 23 CCR section 2511(c).	15 days after completion of wells	CEC	A/T	Permitting	S P		09/09/2014 SWAT-04-13-01 Submittal Revised well construction certification letter. 09/04/2014 SWAT-04-12-00 Submittal Completion Certification for all production wells			-	-	-
Yes	No	Accomplished	N/A	Recurrent	Semi-annual	6 months after start of construction & ea. 6 mos. of construction	SOIL&WATER-5	CONS	The proposed project's use of groundwater for all construction and operations activities shall not exceed 2,160 acre-feet per year.	Prepare a semi-annual summary report of the 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.	6 months after start of construction & ea. 6 mos. of construction	CEC	A/T	Permitting	S P	As Req.	As Req.	As Req.	02/08/16 SWAT5-02-00 Annual Water Production Verification 1/30/15 Submittal SWAT5-00-00 Revised MCR Production Wells Data	-	-	
Yes	No	Pending	N/A	Milestone	N/A	60 days prior to start of construction	SOIL&WATER-5	PC	Submit to CEC evidence that metering devices have been installed.	Submit to the CEC a copy of evidence that metering devices have been installed and are operational.	60 days prior to start of construction	CEC	AS	ASI	M S	As Req.	As Req.	See individual well files		-	-	-

EN Req	Applicable for KPI	Progress	EMS Plan link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submittal Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Drws/Docs	Actual Submittal Date Drws/Docs	Actual Approval Date Drws/Docs	(Submittal due to Change)	Approved As-Builts	Approved Inspection	COO
Yes	Yes	Accomplished	Annual Report for Water Usage	Recurrent	Annual	23-dec-15	SOIL&WATER-5	CONS & OPS	Prepare Annual Report for Water Usage	Prepare an annual summary report, which will include the maximum daily and monthly usage in gallons per day and the total monthly and annual usage in acre-feet. Following the first year of operation, the annual summary report will summarize the annual usage in tabular form. For calculating the total water use, the term "year" will correspond to the date established for the ACR submittal.	Annually	CEC	AS	ASI	H B	Annually	Annually	Annually	COMP7-02-00 02/28/2019	-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	60 days prior to construction	SOIL&WATER-6	PC	The project owner shall submit a Groundwater Monitoring and Reporting Plan to the CPM for review and approval.	Submit to the CPM, for review and approval, a comprehensive plan (Groundwater Level Monitoring and Reporting Plan) presenting all the data and information required in Item A1 SOIL&WATER-6.Submit to the both the CPM all calculations and assumptions made in development of the plan.	60 days prior to construction	Submit to CEC a comprehensive plan presenting all the data for well reconnaissance and well monitoring, Monitoring plan shall be submitted to CEC at least 60 days prior to construction	AS	ASI	M S	6/29/2011	SWAT6-01-00 6/7/2011 SWAT6-01-01 6/4/2013 SWAT2-09-00 6/30/14	SWAT6-01-00 7/22/2011 SWAT6-01-01 8/26/2013	07/30/19 SWAT6-23-00 2018-2019 Annual and Second Semiannual Detection Monitoring ProgramGroundwater Monitoring Plan Report 01/30/19 SWAT6-22-00 2018-2019 Semiannual Detection Monitoring Program-Groundwater Monitoring Plan Report 09/27/18 SWAT6-21-00 Detection Monitoring Program (DMP) 07/30/185 SWAT6-20-00 Annual and 2nd Semiannual detection Monitoring 01/30/18 SWAT6-19-00 Semiannual detection Monitoring 07/28/2017 SWAT6-18-00 2016-2017 Annual and Second Semiannual Detection Monitoring Program-Groundwater Monitoring Plan Report SWAT6-19-00 2017/2018 Semiannual Detection Monitoring Program/Groundwater Monitoring Plan Report.01/31/2017 SWAT6-17-00. 2016-2017 Semiannual Detection Monitoring Report 04-30-15 Submittal SWAT6-12-00 1st QTR 2015 Groundwater Elevation and Quality Monitoring Report 1-30-15	6/8/15 Approval SWAT6-12-00 1st QTR 2015 Groundwater Elevation and Quality Monitoring Report 12/02/2014 Approval SWAT6-10-00 3rd QTR Groundwater Elevation and Quality Monitoring Report (GMN) 11/14/2014 Approval SWAT-06-01-01 Revised GMN Plan SWAT6-06-00 approved 8/26/13 Deep Monitoring Well Completion Reports Submittal reason:	-	-
Yes	No	Accomplished	N/A	Recurrent	Quarterly	N/A	SOIL&WATER-6	CONS	Submit Quarterly Reports to CEC on Monitoring Data.	Submit to the CPM quarterly reports presenting all the data and information required in Item A2, SOIL&WATER-6. Submit to the CPM all calculations and assumptions made in development of the report data and interpretations.	Quarterly during construction	CEC	AS	ASI	H B	As Req.	As Req.	As Req.		Approval	-	-
Yes	Yes	Accomplished	Wells Monitoring Records	Milestone	N/A	23-feb-15	SOIL&WATER-6	OPS	Provide CEC for review and approval documentation showing any mitigation.	Provide to the CEC, for review and approval, documentation showing that any mitigation to private well owners during project construction was satisfied, based on the requirements of the property owner as determined by the CEC.	60 days after commercial operation	CEC	AS	ASI	ASI Staff	As Req.	As Req.	As Req.		-	-	-
Yes	Yes	Accomplished	Wells Monitoring Records	Recurrent	Quarterly, Bi-Annually, Annually as required	23-April-15	SOIL&WATER-6	OPS	Submit monitoring reports to CEC.	Submit to CEC, applicable quarterly, semi-annual, and annual reports presenting all the data and information required in Item 2C, SOIL&WATER-6. Submit to the CEC all calculations and assumptions made in development of report data and interpretations, calculations, and assumptions used in development of any reports.	Quarterly, Bi-Annually, Annually as required	CEC	AS	ASI	ASI Staff	As Req.	As Req.	As Req.		-	-	-
Yes	Yes	Accomplished	Wells Monitoring Records	Continuous	N/A	N/A	SOIL&WATER-6	OPS	Provide Mitigation as Described in item 2D, SOIL&WATER-6.	Provide mitigation as described in Item 2D, SOIL&WATER-6, if the CEC's inspection of the monitoring information confirms project-induced changes to water levels and water level trends relative to measured pre-project water levels, and well yield has been lowered by project pumping. The type and extent of mitigation shall be determined by the amount of water level decline and site-specific well construction and water use characteristics. The mitigation of impacts will be determined as set forth in Item 2D, SOIL&WATER-6.	As required	CEC	AS	ASI	ASI Staff	As Req.	As Req.	As Req.		-	-	-
Yes	Yes	Accomplished	Wells Monitoring Records	Milestone	N/A	30 days after CEC approval of well drawdown analysis	SOIL&WATER-6	OPS	Submit well drawdown calculations 30 days after approval of well drawdown analysis.	Submit to the CEC for review and approval all documentation and calculations describing necessary compensation for energy costs associated with additional lift requirements.	30 days after CEC approval of well drawdown analysis	CEC	AS	ASI	ASI Staff	As Req.	As Req.	As Req.		-	-	-
Yes	Yes	Accomplished	Wells Monitoring Records	Continuous	N/A	N/A	SOIL&WATER-6	OPS	Submit all calculations and any letters from well owners indicating agreement with calculations.	Submit to the CEC all calculations, along with any letters signed by the well owners indicating agreement with the calculations, and the name and phone numbers of those well owners that do not agree with the calculations.	As required	CEC	AS	ASI	ASI Staff	As Req.	As Req.	As Req.		-	-	-
Yes	Yes	Accomplished	N/A	Continuous	N/A	N/A	SOIL&WATER-6	OPS	Provide proof of payment for mitigation.	If mitigation includes monetary compensation, provide documentation to the CEC that compensation payments have been made by March 31 of each year of project operation or, if a lump-sum payment is made, payment shall be made by March 31 of the following year. Within 30 days after compensation is paid, submit to the CEC a compliance report describing compensation for increased energy costs necessary to comply with the provisions of this condition.	As required	CPM	AS	ASI	ASI Staff	As Req.	As Req.	As Req.		-	-	-
Yes	Yes	Accomplished	Wells Monitoring Records	Recurrent	Every five years	23-dec-19	SOIL&WATER-6	OPS	Submit 5-year monitoring report after initial 5-year period and every 5-years after.	After the first 5-year operational and monitoring period, and every subsequent 5-year period, submit a 5-year monitoring report to the CEC for review and approval. This report shall contain all monitoring data collected and provide a summary of the findings and a recommendation about whether the frequency of water level measurements should be revised or eliminated.	Every 5 years	CPM	AS	ASI	ASI Staff	As Req.	As Req.	As Req.		-	-	-
Yes	Yes	Accomplished	Wells Monitoring Records	Milestone	N/A	within 10 days of receipt	SOIL&WATER-6	CONS & OPS	Provide CEC all monitoring reports, complaints, studies and other relevant data for life of project.	During the life of the project, provide to the CEC all monitoring reports, complaints, studies, and other relevant data.	within 10 days of receipt	CEC	AS	ASI	ASI Staff	As Req.	As Req.	As Req.	SWAT6-22-00 1/30/2019	-	-	-
Yes	No	Accomplished	Groundwater Monitoring and Reporting Plan/Groundwater Reports	Milestone	N/A	60 days prior to construction	SOIL&WATER-7	PC	A water quality baseline to pre-construction conditions shall be established for all wells in the monitoring network established by Condition of Certification SOIL&WATER-6, including all monitoring wells that are installed to comly with Waste Discharge Requirements for the evaporation ponds and land treatment unit associated with the project, the existing BLM well and any retrofitted or newly installed BLM marsh water supply well.	Groundwater Quality Monitoring and Reporting Plan in compliance with Item A shall be submitted to the CPM for review and approval.	60 days prior to construction	Submit to CEC at least 60 days prior to the start of construction	AS	ASI	M S	6/29/2011	6/7/2011	SWAT6-01-00 6/7/2011 SWAT6-01-01 6/4/2013 SWAT2-09-00 6/30/14	SWAT6-22-00 1/30/2019 SWAT6-01-00 7/22/2011 SWAT6-01-01 8/26/2013	SWAT6-06-00 approved 8/26/13 Deep Monitoring Well Completion Reports Submittal reason: completion of Deeper Monitoring Wells (GWMN)	-	-
Yes	No	N/A	N/A				SOIL&WATER-7	PC	Submit Pre-Construction Groundwater quality report 30 days prior to start of construction.	Pre-construction groundwater quality report in compliance with Item B shall be submitted to the CPM for review and approval.	30 days prior to construction	Submit to CEC at least 30 days prior to start of construction	AS	ASI	M S	7/29/2011	6/7/2011	7/29/2011		-	-	-
Yes	Yes	Accomplished	Grounwater Quality Report	Recurrent	Semi-annual	23-June-15	SOIL&WATER-7	CONS & OPS	Submit Semi-Annual Groundwater quality reports to CEC for approval and BLM for review.	Semi-annually, by March 31 and September 31, submit Groundwater Quality Reports in compliance with Item D to the CEC for review and approval and to the BLM for review.	Semi-annually	Submit semi-annually to CEC and BLM	AS	ASI/CH2M Hill	H B/B W	7/29/2011	6/7/2011	7/29/2011	01/30/19 SWAT6-22-00 2018-2019 Semiannual Detection Monitoring Program-Groundwater Monitoring Plan Report	-	-	-
Yes	Yes	Accomplished	Groundwater Monitoring and Reporting Plan/Groundwater Reports	Recurrent	Every five years	23-dec-19	SOIL&WATER-7	OPS	Submit 5-year monitoring report after initial 5-year period and every 5-years after.	After the first 5-year operational and monitoring period, and every subsequent 5-year period, submit a 5-year monitoring report to the CPM, for review and approval, that contains all groundwater quality data collected and provides a summary of the findings and a recommendation about whether the frequency of groundwater quality data collection should be revised or eliminated.	Every 5 years	Submit to CEC every 5 years	AS	ASI	ASI Staff	As Req.	As Req.	As Req.		-	-	-
Yes	Yes	Accomplished	Groundwater Monitoring and Reporting Plan/Groundwater Reports	Continuous	N/A	N/A	SOIL&WATER-7	CONS & OPS	Provide CEC all monitoring reports, complaints, studies and other relevant data for life of project.	During the life of the project, provide to the CEC all monitoring reports, complaints, studies, and other relevant data.	CEC	Within 10 days of receipt	AS	ASI	ASI Staff	As Req.	As Req.	As Req.		-	-	-

EN Req	Applicable for KPI	Progress	EMS Plan link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submittal Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Drws/Docs	Actual Submittal Date Drws/Docs	Actual Approval Date Drws/Docs	(Submittal due to Change)	Approved As-Builts	Approved Inspection	COO
Yes	Yes	Accomplished	Waste Management Plan/Waste Management Records	Continuous	N/A	N/A	SOIL&WATER-8	COMM & OPS	The project owner shall recycle and reuse all process wastewater streams to the extent practicable.	Prior to transport and offsite disposal of any facility operation wastewaters that are not suitable for treatment and reuse on-site, test and classify the stored wastewater to determine proper management and disposal requirements. All records of this testing and classification shall be maintain at the project site. 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).	As required	Project owner shall test any on-site soils to assess whether they are suitable or not. Project owner shall ensure that all unsuitable material is transported and disposed per the aforementioned LORS.	A/T/AS	Permitting/ASI	H B/S P	As Req.	10/08/2018 WASTE-9-01-01 Submittal 08/07/2014 WASTE-9-01-00 Submittal (Operational Waste Management Plan)	08/26/2014 WASTE-9-01-00 Approval (Operational Waste Management Plan)		-	-	-
Yes	No	N/A	N/A				SOIL&WATER-9	COMM	Prior to the start of construction of the sanitary waste system, the project owner shall submit plans for the construction and operation of the project's proposed sanitary waste septic system and leach field.	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 simultaneously submitted to the CPM for review and approval. These plans shall demonstrate compliance with the sanitary waste disposal facility requirements of County of San Bernardino Codes Title 3, Division 3, Chapter 8, Waste Management, Article 5, Liquid Waste Disposal and Title 6, Division 3, Chapter 3, and the Uniform Plumbing Code.	60 days prior to commercial operation	Simutaneously submit to County of San Bernardino and CPM at least 60 days prior to commercial operations fees and plans for review of project's sanitary waste septic system and leach field.	A/T	Permitting	S P		Swat9-01-00 SBC Submittal 03-02-2012 Swat9-01-00 CEC Submittal 04-05-2012 Swat9-02-00 SBC Submittal 01-21-2014 Swat9-02-00 CEC Submittal 02-28-2014	02/28/15 SWAT9-02-00 Submittal Sanitary Sewer System for the MSF Alpha&Beta CP Swat9-01-00 CEC Approval 04-01-2014 Swat9-01-00 SBC Approval 03-02-2014 Swat9-01-00 CEC Approval 04-23-2012 Swat9-02-00 SBC Approval 02-20-2014 Swat9-02-00 CEC Approval		-	-	-
Yes	No	N/A	N/A	N/A	N/A	N/A	SOIL&WATER-10	PC	The project is subject to the requirement of Title 22, Article 3, Sections 64400.80 through 64445 for a non-transient, non-community water system.	The project owner shall obtain a permit to operate a non-transient, non-community water system with the County of San Bernardino at least thirty (30) days prior to construction of the potable water treatment system. The project owner shall supply updates annually for all monitoring requirements and submittals to County of San Bernardino related to the permit, and proof of annual renewal of the operating permit.	30 days prior to construction of the potable water treatment system.	Project owner to obtain permit from County of San Bernardino to operate a non-transient, noncommunity water system at least 30 days prior to construction	A/T	Permitting	S P	6/29/2011, 10/1/2013 Water plans		12/28/17 SWAT10-08-00 01/18/18 SWAT10-09-00 01/30/18 SWAT10-10-00 03/15/18 SWAT10-11-00 03/09/18 SWAT10-12-00 07/26/18 SWAT10-13-00 07/26/18 SWAT10-14-00 09/28/18 SWAT10-15-00 01/25/19 SWAT10-16-00 03/26/19 SWAT10-17-00 04/09/19 SWAT10-18-00 04/09/19 SWAT10-19-00 04/12/19 SWAT10-20-00 04/22/19 SWAT10-20-01 05/21/19 SWAT10-21-00 Backflow Preventer Annual Tests Reports 05/17/17 SWAT10-04-00 Small Water System 2016 Annual Report to the Drinking Water Program 05/17/17 SWAT10-05-00 Nontransient-noncommunity System Ground Water Permit 05/31/17 SWAT10-06-00 MSP annual Consumer Confidence Report (CCR) 09-AFC-5C 06/06/17 SWAT10-06-01 MSP annual Consumer Confidence Report (CCR) 09-AFC-5C		-	-	-
Yes	Yes	Accomplished	Non-transient, Not-community water system monitoring plan	Recurrent	Annual	23-dec-15	SOIL&WATER-10	COMM & OPS	Supply Annual Updates of Monitoring Requirements and Proof of Annual Renewal Fee permit payment.	Supply updates annually for all monitoring requirements and submittals to County of San Bernardino related to the permit, and proof of annual renewal of the operating permit.	Annually	Submit annual monitoring reports to County of San Bernardino	A/T+AS	ASI/Permitting	ASI Staff/S P	As Req.	As Req.	As Req.	SWAT10-19-00 4/9/2019	-	-	-
Yes	Yes	Accomplished	FPA Sequestered Water Records	Recurrent	Annual	23-dec-15	SOIL&WATER-11	OPS	As a conservation method, the project owner shall annually sequester a volume of Free Production Allowance (FPA) equal to the annual volume of groundwater pumped for the AMS project.	The volume of FPA sequestered shall be documented and submitted to the CPM and Watermaster. This documentation shall include a table showing the annual and cumulative total FPA sequestered.	Annually	Submit annually to Lahontan RWQCB and CEC	AS	ASI	ASI Staff	As Req.	As Req.	As Req.	COMP7-02-00 02/28/2019	-	-	-
Yes	Yes	Accomplished	N/A	Recurrent	Annual	23-dec-15	SOIL&WATER-12	OPS	The project owner may be required to contribute up to $50,000 annually, for the life of the AMS project, towards the Mojave Water Agency's (MWA) turf replacement program, high-efficiency toilet program, or other water conservation programs as approved by CPM.	Submit to the CPM a copy of the receipt from the MWA for the annual contribution; and an accounting of the following: i. The annual and cumulative volume of groundwater used by the project in acre-feet per year; ii. The annual and cumulative volume of FPA sequestered by the project in acre-feet per year; iii. The numerical difference between annual and cumulative totals in items i and ii above; and iv. The annual and cumulative monetary contribution and estimated annual and cumulative volume of water conserved by the project owner's contribution to MWA's turf replacement program, high-efficiency toilet program, or other water conservation program approved by the CPM.	Annually	Submit annual fee to MVA. Submit to CEC copy of receipt from MVA	AS	ASI	ASI Staff	As Req.	As Req.	As Req.	COMP7-02-00 02/28/2019	-	-	-
Yes	Yes	Accomplished	N/A	Milestone	N/A	60 days prior to the annual contribution anniversary date	SOIL&WATER-12	OPS	The project owner may be required to contribute up to $50,000 annually, for the life of the AMS project, towards the Mojave Water Agency's (MWA) turf replacement program, high-efficiency toilet program, or other water conservation programs as approved by CPM.	If owner proposes to reduce the amount of the annual contribution based on the water conservation achieved through previous contributions, provide a plan demonstrating how the adjusted amount will ensure the water conservation program meets the requirements of this condition. The plan shall be provided for CPM review and approval 60 days prior to the annual contribution anniversary date.	60 days prior to the annual contribution anniversary date	Submit to CEC for review and approval	AS	ASI	ASI Staff	-	-	-		-	-	-
Yes	Yes	Accomplished	N/A	Milestone	N/A	60 days prior to the annual contribution anniversary date	SOIL&WATER-12	OPS	The project owner may be required to contribute up to $50,000 annually, for the life of the AMS project, towards the Mojave Water Agency's (MWA) turf replacement program, high-efficiency toilet program, or other water conservation programs as approved by CPM.	If owner proposes to reduce the amount of the annual contribution based on the water conservation achieved through previous contributions, provide a plan demonstrating how the adjusted amount will ensure the water conservation program meets the requirements of this condition. The plan shall be provided for CPM review and approval 60 days prior to the annual contribution anniversary date.	60 days prior to the annual contribution anniversary date	Submit to CEC for review and approval	AS	ASI	ASI Staff	-	-	-		-	-	-
No	No	Accomplished	N/A	Milestone	N/A	90 days prior to site mobilization	TRANS-1	PC	Prior to site mobilization, the project owner shall secure or construct one or more park-and-ride facilities with a combined capacity of 500 spaces.	Propose new park-and-ride lot(s) to the County of San Bernardino for review and comment and the CPM for review and approval. The proposal shall include a rationale for the location of the lot(s) based upon the expected geographic distribution of employees and availability of suitable sites.	90 days prior to site mobilization	County of San Bernardino, CPM	AS	ASI	M S	5/29/2011	1/1/2011	3/1/2011	12/11/2014 Submittal TRANS1-03-00 Park and Ride Completion	12/11/2014 Approval TRANS1-03-00 Park and Ride Completion	-	-
No	No	N/A	N/A	Milestone	N/A	30 days prior to site mobilization	TRANS-1	PC	Inform SBC and CEC Park-and-Ride Facility is ready.	Notify the County of San Bernardino and the CPM that the park-and-ride lot(s) are ready for usage and available for inspection.	30 days prior to site mobilization	County of San Bernardino, CEC	AS	ASI	M S	5/29/2011	1/1/2011	3/1/2011		-	-	-
No	No	N/A	N/A	Milestone	N/A	60 days prior to site mobilization	TRANS-2	PC	The project owner shall develop and implement a construction traffic control plan.	Provide to the County of San Bernardino for review and comment and the CPM for review and approval a copy of the construction traffic control plan. The plan must document consultation with Caltrans.	60 days prior to site mobilization	County of San Bernardino, Caltrans, CEC	A/T	Permitting	S P	6/29/2011	1/1/2011	3/1/2011		-	-	-
No	No	N/A	N/A	Milestone	N/A	90 days prior to site mobilization	TRANS-3	PC	Prior to construction, the project owner shall document the existing condition of the primary roadways that will be used by the construction workers and heavy vehicle deliveries along Harper Valley Road to SR-58 and SR-58 for 1000 feet in each direction from Harper Lake Road.	Submit a review of existing roadway pavement conditions to San Bernardino County and Caltrans for review and comment and the CPM for review and approval. This review will include photographs and the visual analysis of pavement and sub-surface conditions. The CPM will need to approve the summary of existing pavement conditions prior to commencement of construction.	90 days prior to site mobilization	County of San Bernardino, Caltrans, CEC	A/T	Permitting	S P	6/29/2011	1/1/2011	3/1/2011		-	-	-
No	No	N/A	N/A	Milestone	N/A	60 days after the end of construction activities	TRANS-3	COMM	Submit Roadway Analysis report to SBC and CEC.	Submit an analysis of the roadway pavement conditions to San Bernardino County and Caltrans for review and comment and to the CPM for review and approval. The review will include photographs, the visual analysis of pavement and sub-surface conditions and a schedule for repair.	60 days after the end of construction activities	County of San Bernardino, Caltrans, CEC	A/T	Permitting	S P	Post COD	-	-	09/23/2014 Approval No Pavement Analysis Required	-	-	-
No	No	N/A	N/A	Milestone	N/A	After completion of repairs	TRANS-3	COMM	Submit Roadway Analysis report to SBC and CEC.	Submit a letter to San Bernardino County, Caltrans, and the CPM indicating such repairs are finished and ready for inspection.	After completion of repairs	County of San Bernardino, Caltrans, CEC	A/T	Permitting	S P	Post COD	-	-	09/19/2017 TRANS3-04-00 Harper Lake Road Reconstruction. County approval letter (09-AFC-5C)09/23/2014 Note: SBC & Caltran reports only need to be filed, No Pavement Analysis Required	-	-	-
No	No	N/A	N/A	Milestone	N/A	60 days prior to site mobilization	TRANS-4	PC	During construction, the project owner will stagger the employee start times and delivery times so as not to overload the existing highway traffic.	Include these restrictions in the construction traffic control plan required by TRANS-2	60 days prior to site mobilization	County of San Bernardino, Caltrans, CEC	A/T	Permitting	S P	6/29/2011	1/1/2011	3/1/2011		-	-	-
Yes	Yes	Accomplished	Waste Management Plan	Continuous	N/A	N/A	TRANS-5	COMM & OPS	The project owner shall not allow hazardous materials deliveries during non-daylight hours.	A record of hazardous deliveries shall be provided to the CPM as required in HAZ-3.	As required	CEC	A/T + AS	ASI/Permitting	H B/S P	As Req.	As Req.	As Req.		-	-	-
No	No	N/A	N/A	milestone	N/A	30 days prior to construction of transmission line or related structures and facilities	TLSN-1	CONS	Submit Signed Letter to CEC	Submit to the 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.	30 days prior to construction of transmission line or related structures and facilities	CEC	A/T	Electrical/Permitting	S P	8/5/2011	4/1/2011	6/1/2011		-	-	-
No	No	N/A	N/A	Recurrent	Annual	ACR	TLSN-2	OPS	Submit All Line Related Complaint Records	All reports of line-related complaints shall be summarized for the project-related lines and included during the first five years of plant operation in the Annual Compliance Report.	ACR	CEC	AS	ASI	H B	As Req.	As Req.	As Req.	ACR	-	-	-

EN Req	Applicable for KPI	Progress	EMS Plan link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submittal Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Drws/Docs	Actual Submittal Date Drws/Docs	Actual Approval Date Drws/Docs	(Submittal due to Change)	Approved As-Builts	Approved Inspection	COO
No	No	N/A	N/A	Milestone	N/A	60 days after completion of the measurements	TLSN-3	CONS	File Energization Measurements	File copies of the pre-and post-energization measurements with the CPM after completion of the measurements.	60 days after completion of the measurements	CEC	A/T	Electrical	M K		3/2/15 Submittal TLSN3-01-00 (Post Energization Measurements submitted)	3/30/15 Approval TLSN-3-01-00 Post Energization Measurements 7-8-14 TLSN-3-00-00 (Pre Energization Measurements) Approved		-	-	-
No	No	N/A	N/A	Recurrent	Annual	ACR	TLSN-4	OPS	Submit Inspection Results and Fire Prevention Activities	During the first five years of operation, the project owner shall provide a summary of inspection results and any fire prevention activities carried out along the rights-of-way and provide such summaries in the ACR for transmission line safety and nuisance-related requirements.	ACR, for first 5 years of operation	CEC	AS	ASI	H B	As Req.	As Req.	As Req.	ACR COMP7	-	-	-
No	No	N/A	N/A	Milestone	N/A	30 days before lines are energized	TLSN-5	COMM & OPS	Ground All Metallic Objects Within Transmission Line Right-of-Way	The project owner shall ensure that all permanent metallic objects within the right-of-way of the project-related lines are grounded according to industry standards regardless of ownership. Transmit to the CPM a letter confirming compliance with this condition.	30 days before lines are energized	CEC	A/T	Electrical/Field	M K	10/1/2013	TLSN5-00-00 To the CEC 11.06.2013	TLSN5-00-00 CEC Approval 11.07.2013		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	90 days prior to specifying colors to vendor	VIS-1	PC	Vendor Colors of All Structures To Be Provided to CEC	At least 90 days prior to specifying to the vendor the colors and finishes of the first structures or buildings that are surface treated during manufacture, the project owner shall submit the proposed treatment plan to the CPM for review and approval. If the CPM determines that the plan requires revision, the project owner shall provide to the CPM a plan with the specified revision(s) for review and approval by the CPM before any treatment is applied. Any modifications to the treatment plan must be submitted to the CPM for review and approval. The review of any subsequent revisions shall be completed by the CPM within 15 days of receipt of the revisions.	90 days prior to specifying colors to vendor	CEC	A/T	Permitting	S P	5/14/2012	5/14/2014 VIS1-01-08 12/9/2011, rev 1, 2/6/12, rev 2, 4/17/13, rev 3, 8/5/2013, rev 4	3/30/2014 VIS1-01-08 CEC APPROVAL 1/9/2011, rev 1, 3/14/12, rev 2, 5/3/13, rev 3 VIS1-01-05 to the CEC 11.08.2013 Approved 11.14.2013 VIS1-01-06 to the CEC 11.25.2013 Approved 11.27.2013 VIS1-01-07 to the CEC 12.16.2013 Approved 01.06.2014		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	Prior to COD	VIS-1	COMM	Notify CEC that all Structures and Buildings are Ready for Inspection	The project owner shall notify the CPM that surface treatment of all listed structures and buildings has been completed and they are ready for inspection and shall submit one set of electronic color photographs from key observation points 1, 2, 3, 4, 5, 6, 7, and 8 analyzed in the Staff Assessment.	Prior to COD	CEC	A/T	Permitting	S P	-	10/29/2014 Submittal VIS1-02-00 Key Observation Points photographs	12/26/2014 Approval VIS1-02-00 Key Observation Points photographs		-	-	-
Yes	Yes	Accomplished	Surface Treatment Maintenance Procedure/Surface Maintenance Reports	Recurrent	Annual	23-dec-15	VIS-1	OPS	Provide Status Report to CEC	Provide a status report regarding surface treatment maintenance. 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.	ACR	CEC	AS	ASI	ASI Staff	As Req.	-	-		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	90 days prior to installation	VIS-2	COMM	Provide Landscape Screening Plan to CEC	The screening plan shall be submitted to the CPM for review and approval.	90 days prior to installation	CEC	AS	ASI	H B	4/1/2014	4/18/14 VIS2-00-01 Completion & Inspection readiness notification	-	5/20/15 Submittal VIS2-01-01 Tree Replacement Update. 09/24/2014 Submittal VIS-2-01-00 Off-site Landscape Screening – Tree Replacement	6/11/15 Approval VIS2-01-01 Tree Replacement Update. 09/24/2014 Approval VIS-2-01-00 Off-site Landscape Screening – Tree Replacement	-	-
Yes	Yes	Accomplished	Screening Maintenance Reports	Recurrent	Annual	23-dec-15	VIS-2	OPS	Report Maintenance Activities to CEC in ACR	Report maintenance activities, including replacement of plants that fail to thrive for the previous year of operation.	ACR, for first 5 years of operation	CEC	AS	ASI	ASI Staff	-	-	-		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	90 days prior to ordering exterior lighting	VIS-3	CONS	Notify CEC that Compliance has been Met	Contact the CPM to show compliance with all of the above requirements. This shall include: final lighting plans, fixture and control schedules, fixture and control cut sheets and specifications, a photometric plan showing vertical and horizontal footcandles at all property lines to a height of 20 feet, and the proposed time clock schedule.	90 days prior to ordering exterior lighting	CEC	A/T	Permitting	S P	temp light, 4/27/12, perm light, 8/28/13	temp light, 2/27/12, perm light, 5/28/13	temp light, 3/1/12, perm light, 8/9/13		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	Prior to construction/Prior to operation	VIS-3	PC, CONS, & COMM	Notify CEC that Temp and Permanent Lighting is complete and ready for inspection	Notify the CPM that the temporary and permanent lighting has been completed and is ready for inspection. If after inspection the CPM says that modifications to the lighting are needed, within 30 days of receiving that notification owner shall implement the modifications and notify the CPM that the modifications have been completed and are ready for inspection.	Prior to construction/Prior to operation	CEC	A/T	Permitting	S P	As Req.	5/5/2014 VIS3-04-00 Submittal Final CBO approved solar field lighting plan; layout included.	5/5/2014 VIS3-04-00 Approval Permanent Exterior Lighting		-	-	-
Yes	Yes	Accomplished	Lighting Complaints Reports	Milestone	N/A	within 48 hours of receiving lighting complaint	VIS-3	CONS & OPS	Notify CEC of Lighting Complaints	Provide 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. A copy of the complaint resolution form report shall be submitted to the CPM within 30 days and included in the Annual Report.	within 48 hours of receiving lighting complaint	CEC	AS	ASI	H B	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	90 days prior to installation	VIS-4	PC	Submit Screening Plan to CEC	The screening plan shall be submitted to the CPM for review and approval.	90 days prior to installation	CEC	A/T	Permitting	S P	4/9/2012	12/9/2011	3/26/2012		-	-	-
Yes	No	Pending	N/A	Milestone	N/A	7 days after completing screening install	VIS-4	CONS	Notify CEC that Screen Fence is Completed	Notify the CPM that the screening is ready for inspection.	7 days after completing screening install	CEC	A/T	Permitting	S P	-	-	3/26/2012		-	-	-
Yes	Yes	Accomplished	Screening Maintenance Plan/Screening Maintenance Reports	Milestone	N/A	23-dec-15	VIS-4	OPS	Report Maintenance Activities to CEC in ACR	Report maintenance activities, including replacement of damaged or destroyed screening for the previous year of operation.	ACR	CEC	AS	ASI	H B	ACR	-	-		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	60 days prior to site mobilization	WASTE-1	PC	Prior to the removal of any underground storage tanks (UST's) found on site, the project owner shall submit a copy of the information typically required to obtain a permit to the San Bernardino Fire Department for review and comment.	Provide the plans to remove the underground storage tanks to the CPM for review and approval.	60 days prior to site mobilization	San Bernardino Fire Department, CPM	AS	ASI	M S	6/29/2011	2/4/2011	4/4/2011	July 2012 MCR CEC informed 07/19/2012 WASTE1-02-01 UST Removal	07-25-2012 CEC Approved WASTE1-02-01 UST Removal	-	-
Yes	No	Accomplished	N/A	Recurrent	Monthly	MCR	WASTE-1	PC	Submit ALL UST Data to CEC	Inform the CPM of the data when all USTs were removed from the site.	In MCR in month following removal	CPM	AS	ASI	H B	-	July 2012 MCR CEC informed	N/A		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	Prior to Haz Waste generation	WASTE-2	PC & CONS	The project owner shall obtain a hazardous waste generator identification number from the USEPA.	Obtain a hazardous waste generator identification number form the USEPA prior to generating any hazardous waste during project construction and operations.	Prior to Haz Waste generation	USEPA, CPM	A/T	Permitting	S P	12/31/2012	9/28/2012	11/27/2012	04/18/18 WASTE2-02-00 2017 biennial hazardous waste report to the Department of Toxic Substances Control (09-AFC-5C)	-	-	-
Yes	Yes	Accomplished	N/A	Continuous	N/A	N/A	WASTE-2	CONS & OPS	Project Owner Shall Keep a Copy of Waste Generator Number on File at Project Site	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 the CPM after receipt of the number. Submittal of the notification and issued number documentation to 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.	Monthly	USEPA, CPM	A/T + AS	Permitting	S P	12/31/2012	9/28/2012	11/27/2012		-	-	-
Yes	Yes	Accomplished	N/A	Milestone	N/A	If Waste generator number changes	WASTE-2	CONS & OPS	Changes in Waste Generator Numbers Shall Be Submitted to CEC	Documentation of any new or revised hazardous waste generation notifications or changes in identification number shall be provided to the CPM.	As required	USEPA, CPM	A/T + AS	ASI/Permitting	H B/S P	As Req.	CEC 12/7/2012 CA EPA Submittal Fed EPA Application 07/09/2013	10/02/2013 US EPA approval		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	60 days prior to site mobilization	WASTE-3	PC	The project owner shall ensure that the AMS is properly characterized and remediated as necessary pursuant to LRWQCB or DTSC voluntary site cleanup programs.	Submit to the CPM copies of all pertinent correspondence, work plans, agreements, and authorizations between the AMS Project and DTSC regarding Voluntary Site Cleanup Program requirements and activities at the AMS project site. The CPM shall review and comment on the proposed Cleanup Program requirements and activities. Provide to the CPM written notice from DTSC that the AMS site has been investigated and remediated, as necessary, for compliance with the Voluntary Cleanup Program.	60 days prior to site mobilization	Lahontan RWQCB, DTSC, CPM	AS	ASI	M S	6/29/2011	2/11/2011	3/8/2011	06/22/11 WAST3-02-00	-	-	-

EN Req	Applicable for KPI	Progress	EMS Plan link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submittal Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Drws/Docs	Actual Submittal Date Drws/Docs	Actual Approval Date Drws/Docs	(Submittal due to Change)	Approved As-Builts	Approved Inspection	COO
Yes	No	Accomplished	N/A	Milestone	N/A	within 5 days of receipt	WASTE-4	PC	If potentially contaminated soil is identified during site characterization, demolition, excavation or grading at either the proposed site or linear facilities the professional engineer or geologist shall inspect the site and determine the nature and extent of contamination.	Submit any final reports filed by the professional engineer or professional geologist to the CPM.	within 5 days of receipt	CEC	AS	ASI	H B	As Req.	As Req.	As Req.	05/12/12 WAST4-01-00	-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	within 24 hours of orders to halt construction	WASTE-4	PC	Notify CEC if Construction is Halted	Notify the CPM within 24 hours of any orders issued to halt construction.	within 24 hours of orders to halt construction	CEC	AS	ASI	H B	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to site mobilization	WASTE-5	PC	The project owner shall provide the resume of an experienced and qualified Professional Engineer or Geologist, who shall be available for consultation to the CPM for review and approval.	Submit the resume to the CPM for review and approval.	30 days prior to site mobilization	CEC	AS	ASI	M S	6/29/2011	1/12/2011	2/12/2011	01/12/11 WAST5-01-00	-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to site mobilization	WASTE-6	PC	The project owner shall prepare a Construction Waste Management Plan.	Submit the Construction Waste Management Plan to the CPM for approval.	30 days prior to site mobilization	CEC	A/T	Permitting	S P	7/29/2011	7/27/2011	7/29/2011		-	-	-
Yes	Yes	Accomplished	Waste Disposal Records	Continuous	N/A	N/A	WASTE-7	CONS & OPS	During the construction and operation phase, the project owner shall maintain copies of the contracted waste and/or refuse haulers documentation of each waste load transferred from the construction site to a disposal site and/or recycling center.	Identify permitted solid waste facilities or recycling centers that receive construction waste and maintain copies of weigh tickets and manifests showing the type and volume of waste disposed. This information shall be maintained at the project site and made accessible to CPM and the San Bernardino County Environmental Health Service Department Solid Waste Program.	As required	San Bernardino County Environmental Health Service Dept. Solid Waste, CEC	A/T + AS	ASI/Permitting	H B/S P	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	60 days prior to commencement of structure demolition	WASTE-8	PC	Prior to demolition of existing structures, the project owner shall complete and submit a copy of a MDAQMD Asbestos Demolition Notification form to the CPM and the MDAQMD for approval.	Provide the Asbestos Demolition Notification Form to the CPM for review and approval.	60 days prior to commencement of structure demolition	MDAQMD, CEC	AS	ASI	M S	01/22/2012	11/22/2011	12/22/2011		-	-	-
Yes	No	Accomplished	N/A	Recurrent	Monthly	MCR	WASTE-8	CONS	Inform CEC when all Asbestos is Removed from Site	Inform the CPM of the data when all ACM is removed from the site.	Monthly	MDAQMD, CEC	AS	ASI/Permitting	H B/S P	1/27/2012	1/27/2012	1/27/2012		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	Local Certified Unified Program Agency, Dept. of Toxic Substances Control, CEC	WASTE-9	COMM	The project owner shall prepare an Operation Waste Management Plan	Submit the Operation Waste Management Plan to the CPM for approval.	30 days prior to commercial operation	Local Certified Unified Program Agency, Dept. of Toxic Substances Control, CEC	AS	ASI	ASI Staff	6/15/2014	11/08/18 WASTE9-01-01 08/07/14 WASTE9-01-00 Operations Waste Management Plant Submitted 08/07/2014 WASTE-9-01-00 Submittal (Operational Waste Management Plan)	08/26/14 WASTE-9-01-00 Approval - Operational Waste Management Plan		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	CEC	WASTE-9	COMM	The project owner shall prepare an Operation Waste Management Plan	Submit any required revisions to the CPM.	20 days of notification from the CPM revisions required	CEC	AS	ASI	ASI Staff	As Req.	As Req.	As Req.		-	-	-
Yes	Yes	Accomplished	Waste Management Plan/Waste Management Records	Recurrent	Annual	23-dec-15	WASTE-9	OPS	Document Actual Waste Volumes and Methods and Update Waste Plan as Necessary.	Document 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.	Annually	CEC	AS	ASI	ASI Staff	As Req.	As Req.	As Req.		-	-	-
Yes	Yes	Accomplished	Waste Management Plan/Waste Management Records	Milestone	N/A	When a release or spill may occur	WASTE-10	OPS	The project owner shall submit to CEC and DTSC for approval the applicant's assessment of whether the HTF contaminated soil is considered hazardous or not.	Document all releases and spills of HTF as described in Condition of Certification WASTE-9 and as required in the SOIL & WATER RESOURCES section of the Staff Assessment. Cleanup and temporary staging of HTF-contaminated soils shall be conducted in accordance with the USEPA's current version of "Test Methods for Evaluating Solid Waste" (SW-846). Samples shall be analyzed in accordance with USEPA Method 1625B or other method to be reviewed and approved by DTSC and the CPM.	As required	DTSC, CEC	A/T + AS	ASI/Permitting	T B/S P	As Req.	As Req.	As Req.		-	-	-
Yes	Yes	Accomplished	HTF Contaminated Tests Results	Milestone	N/A	within 28 days of an HTF spill	WASTE-10	OPS	Provide test results of HTF contaminated soil to DTSC and CEC.	Provide the results of the analyses and their assessment of whether the HTF-contaminated soil is considered hazardous or non-hazardous to DTSC and the CPM for review and approval.	within 28 days of an HTF spill	DTSC, CEC	A/T + AS	ASI/Permitting	T B/S P	6/17/2014 WASTE10-05-00 6-04-14 WASTE10-03-00 Submitted 5/12/2014 WASTE10-00-00	10/27/2014 Submittal WASTE10-08-00 30 day storage extension to CUPA for HTF contaminated soil 09/12/2014 Submittal WASTE10-07-00 (Department of Toxic Substances Control) 7-2-14 WASTE10-03-00 CEC Approval 5/22/14 CEC APPROVAL WASTE10-00-00	12/05/2014 CEC Approval Use of LTU's Waste Characterization Package 11/20/2014 Approval WASTE10-08-00 30 day storage extension to CUPA for HTF contaminated soil	03/20/18 WASTE10-18-00 HTF Contaminated Soil Spill And Lab Results 03/20/18 WASTE10-17-00 Contaminated Soil Spill Log Lab Results 09/25/17 3/1/15 WASTE10-11-00 Submittal February HTF Soil Samples lab results 3/1/15 WASTE10-10-00 Submittal January HTF Soil Samples lab results 1/2/15 Submittal WASTE10-09-00 lab test results for HTF contaminated soil for July-December 2014 10/28/2014 Submittal WASTE10-07-01 Department of Toxic Substances Control [Waste characterization documentation] 7/9/14 WASTE10-03-01	08/29/19 WASTE10-21-00 05/28/19 WASTE10-20-00 01/11/19 WASTE10-19-00 03/08/18 WASTE10-18-00 09/25/17 WASTE10-17-00 12/21/16 WASTE10-16-00 10/18/16 WASTE10-15-00 05/24/16 WASTE10-14-00 5/7/15 Approval WASTE-10-11-00 HTF spill reports for Feb 2015 5/4/15 Approval WASTE-10-10-00 HTF spill reports for Jan 2015. 5/4/15 Approval WASTE-10-10-00 HTF spill reports for Jan 2015	-	-
Yes	Yes	Accomplished	Waste Management Plan/Waste Management Records	Milestone	N/A	When the HTF contaminated soil is considered hazardous	WASTE-10	OPS	Dispose of Soil per CA HSC 25203 if DTSC and CEC determine that it is hazardous.	If DTSC and the CPM determine the HTF-contaminated soil is considered hazardous it shall be disposed of in accordance with California HSC Section 25203 and procedures outlined in the approved Operation Waste Management Plan required in Condition of Certification WASTE-9 and reported to the CPM in accordance with Condition of Certification WASTE-12.	As required	DTSC, CEC	A/T + AS	ASI/Permitting	T B/S P	As Req.	As Req.	As Req.		-	-	-
Yes	Yes	Accomplished	Waste Management Plan/Waste Management Records	Milestone	N/A	When the HTF contaminated soil is considered nonhazardous	WASTE-10	OPS	If Soil is deemed Non-Hazardous by DTSC and CEC it shall be disposed of and retained in an on-site land farm.	If DTSC and the CPM determine the HTF-contaminated soil is considered nonhazardous it shall be retained in the land farm and treated on-site in accordance with the Waste Discharge Requirements contained in the Soil & Water Resources section of the PMPD.	As required	DTSC, CEC	A/T + AS	ASI/Permitting	T B/S P	As Req.	As Req.	As Req.		-	-	-
Yes	Yes	Accomplished	Waste Management Plan/Cooling Tower Filter Cake Tests Results	Milestone	N/A	Within 30 days of sampling	WASTE-11	COMM & OPS	The project owner shall ensure that the cooling tower basin sludge is tested.	Report the results of filter cake testing to the CPM. If two consecutive tests show that the sludge is non-hazardous, may apply to the CPM to discontinue testing.	Within 30 days of sampling	CEC	A/T + AS	ASI/Permitting	T B/S P	As Req.	08/07/2014 WASTE-9-01-00 Submittal (Operational Waste Management Plan)	08/26/2014 WASTE-9-01-00 Approval (Operational Waste Management Plan)	11/17/2014 Submittal WASTE11-01-00 Filter Cake Testing Results: Alpha Water Treatment Plant	5/4/15 Approval WASTE-11-01-00 Waste Filter Cake Test results	-	-
Yes	Yes	Accomplished	Waste Management Plan/Waste Management Records	Recurrent	Annual	23-dec-15	WASTE-11	OPS	Report Test Results in ACR as condition of compliance WASTE-9.	The test results and method and location of sludge disposal shall reported in the ACR as required in Condition of Certification WASTE-9.	Annually	CEC	AS	ASI Staff	ASI Staff	As Req.	As Req.	As Req.		-	-	-
Yes	Yes	Accomplished	Waste Management Plan/Waste Management Records	Milestone	N/A	When an unauthorized release/spill may occur	WASTE-12	CONS & OPS	The project owner shall ensure that all spills or releases of hazardous substances, materials, or wastes that are in excess of reportable quantities that occur on the project property or transmission corridors during construction and on the project property during operation.	Document all unauthorized releases and spills of hazardous substances, materials, or wastes that are in excess of reportable quantities that occur on the project property or transmission corridors during construction and on the project property during operation.	As required	CEC	A/T + AS	ASI/Permitting	T B/S P	As Req.	As Req.	As Req.		-	-	-

EN Req	Applicable for KPI	Progress	EMS Plan link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submittal Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Drws/Docs	Actual Submittal Date Drws/Docs	Actual Approval Date Drws/Docs	(Submittal due to Change)	Approved As-Builts	Approved Inspection	COO
Yes	Yes	Accomplished	Waste Management Plan/Waste Management Records	Milestone	N/A	When an unauthorized release/spill may occur, it must be reported within 30 days of the date the release was discovered	WASTE-12	CONS & OPS	Provide any unauthorized spill documentation to CEC.	Copies of the unauthorized spill documentation shall be provided to the CEC.	Within 30 days of the date the release was discovered	CEC	A/T + AS	ASI/Permitting	T B/S P	As Req.	01/26/16 WASTE12-02-00 HTF Spill report 01/12/16 WASTE12-01-00 HTF Spill report 4/2/15 WASTE12-00-01 Resubmittal Diesel spill on 2/19/15 2/25/15 WASTE12-00-00 Submittal Spill Notification - Diesel	5/4/15 Approval WASTE-12-00-00 Diesel spill report that exceeded reportable limits		-	-	-
No	No	Accomplished	N/A	Milestone	N/A	30 days prior to start of construction	WORKERSAFETY-1	PC	The project owner shall submit to the CPM a copy of the Project Construction Safety and Health Program.	Submit to the SBCFD a copy of the Construction Fire Prevention Plan and Emergency Action Plan for review and comment and a copy of the Project Construction Safety and Health Program to the CPM for review and approval.	30 days prior to start of construction	San Bernardino County Fire Dept., CEC	A/T	Permitting	S P	7/20/2011	11/17/14 Fw WKSF-01-04-01 Revised Lighting Mitigation Plan Submittal 11//14 Submittal WKSF1-04-00 Lighting Mitigation Plan for TCO 11//14 Submittal	rev 0, 7/23/11, rev 1, 6/19/13		-	-	-
No	No	Accomplished	N/A	Milestone	N/A	30 days prior to start of commissioning	WORKERSAFETY-2	COMM	The project owner shall submit to CPM a Maintenance Safety and Health Program.	Submit to the SBCFD the final Operations Fire Prevention Plan and Emergency Action for review and the final Project Operations and Maintenance Safety and Health Program to the CPM for approval.	30 days prior to start of commissioning	San Bernardino County Fire Dept., CEC	AS	ASI	MS	7/20/2011	rev 0, 6/23/11, rev 1, 6/18/13	rev 0, 7/23/11, rev 1, 6/19/13	5/28/15 Submittal WKSF-2-03-00 H&S revised plan (re TCO extension)c WKSF2-00-01 Heat Stress Submittal CEC 03/05/2014.	12/04/2014 Approval WKSF 02-01-00Operations Emergency Response Plan WKSF2-00-00 Fire Prevent Plan, Emergency Action Plan & Operational H&S Plan CEC Approval 03/10/2014	-	-
No	No	Pending	N/A	Milestone	N/A	60 days prior to site mobilization	WORKERSAFETY-3	PC	The project owner shall provide a site Construction Safety Supervisor (CSS) who is qualified and capable of identifying workplace hazards and has authority to take appropriate action to assure compliance and mitigate hazards.	Submit to the CPM the name and contact information for the Construction Safety Supervisor (CSS). The contact information of any replacement CSS shall be submitted to the CPM within one business day.	60 days prior to site mobilization	CEC, OSHA	A/T	Permitting	S P	6/29/2011	3/4/2011	03/12/13 Worker Safety 03-02-00 CEC-WKSF3-02-00 Approval 03-18-13 5/4/11 WKSF3-01-04 INTO THE CEC 11.19.13 APPROVED 11.21.13 WKSF3-01-05 INTO THE CEC 12.16.13 APPROVED		-	-	-
No	No	Pending	N/A	Recurrent	Monthly	MCR	WORKERSAFETY-3	CONS	Submit Safety Report as part of MCR.	The CSS shall submit in the MCR a monthly safety inspection report	MCR	CEC, OSHA	A/T	Permitting	S P	Monthly	Monthly	Monthly		-	-	-
No	No	Pending	N/A	Milestone	N/A	60 days prior to start of construction	WORKERSAFETY-4	PC	The project owner shall make payments to the Chief Building Officer (CBO) for the services of a Safety Monitor based on a reasonable fee schedule to be negotiated between the project owner and the CBO.	Provide proof of its agreement to fund the Safety Monitor services to the CPM for review and approval.	60 days prior to start of construction	CEC	AS	ASI	MS	6/29/2011	12/20/2010	Approval unavailable CPM contacted 3/18/2014		-	-	-
No	No	Pending	N/A	Milestone	N/A	30 days prior to site mobilization	WORKERSAFETY-5	PC	The project owner shall ensure that a portable external defibrillator (AED) is located on site during construction and operations.	Submit to the CPM proof that a portable automatic external defibrillator exists on site and a copy of the training and maintenance program for review and approval.	30 days prior to site mobilization	CEC	A/T	Permitting	S P	7/31/2011	3/16/2011	6/16/2011		-	-	-
No	No	Pending	N/A	milestone	N/A	five (5) days before construction of permanent aboveground structures	WORKERSAFETY-6	CONS	The project owner shall either, 1) reach a funding agreement with SBCFD regarding its project share-related costs of capital and operations to improve fire protection response or if no agreement can be reached, the project owner shall fund a study conducted by an independent contractor and in consultation with SBCFD to study project's fire protection requirements.	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.	five (5) days before construction of permanent aboveground structures	San Bernardino County Fire Dept., CPM	AS	ASI	ASI Staff	-	9/28/2012	10/10/12 CEC Approved SBCFD & MSP Funding Agreement 05/06/16 WKSF06-03 02/27/18 WKSF6-04-00		-	-	-
No	No	Accomplished	N/A	Recurrent	Annual	TBD once OPS start	WORKERSAFETY-6	OPS	Provide CEC verification of payment to the SBCFD.	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.	Annually	San Bernardino County Fire Dept., CPM	AS	ASI	ASI Staff	-	02/27/18 WKSF6-04-00, SBCFD Annual O&M Contribution Verification (2016 - 2017) Proof of payment is submitted to CPM	5/28/2013		-	-	-
No	No	Accomplished	N/A	Milestone	N/A	5 days prior to start of construction	WORKERSAFETY-7	PC	The project owner shall provide a $200,000 payment to San Bernardino County Fire Department prior to start of construction to offset any initial funding required by WORKER SAFETY-6.	Provide a $200,000 payment to San Bernardino County Fire Department prior to the start of construction. Provide documentation of the payment described above to the CPM. The CPM shall adjust the payments initially required by WORKER SAFETY-6 based upon the accounting provided by the SBCFD.	5 days prior to start of construction	San Bernardino County Fire Dept., CPM	AS	ASI	MS	7/31/2011	5/29/2011	8/10/2011□		-	-	-
No	No	Pending	N/A	Milestone	N/A	60 days prior to site mobilization	WORKERSAFETY-8	PC	The project owner shall develop and implement an enhanced Dust Control Plan.	Enhanced Dust Control Plan shall be provided to the CPM for review and approval.	60 days prior to site mobilization	CPM	A/T + AS	ASI	M S/S P	6/29/2011	3/4/2011	8/17/2011		-	-	-
No	No	Accomplished	N/A	Milestone	N/A	10 days prior to commissioning	WORKERSAFETY-9	COMM	The project owner shall participate in joint training exercises with the SBCFD.	Submit to the CPM proof that the joint training with the SBCFD is established.	10 days prior to commissioning	San Bernardino County Fire Dept., CPM	AS	ASI	H B		-	-		-	-	-
No	No	Pending	N/A				WORKERSAFETY-9	OPS	Submit to CEC proof that joint training with SBCFD was conducted.	Submit to the CPM proof that the joint training with the SBCFD was conducted. Include the date, list of participants, training protocol, and location in the yearly compliance report to the CPM.	Annually	San Bernardino County Fire Dept., CPM	AS	ASI	ASI Staff	02/19/14 Submittal Annual Training WKSF-9-00-01 3/11/14 Approval WKSF9-00-01	Annually	Annually		-	-	-
No	No	Pending	N/A				GEN-1	COMM	Submit Verification Statement and CBO certified Certificate of Occupancy to CEC.	Submit to the 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. Provide the CPM a copy of the certificate of occupancy within 30 days of receipt from the CBO.	30 days of receipt of certificate of occupancy	CBO/CEC	A/T	All	S P	Post CO	-	-		-	-	-
No	No	Pending	N/A				GEN-1	OPS	Once Certificate of Occupancy has been issued, inform the CEC prior to any construction, repair or maintenance that requires CBO approval per LORS.	Once the certificate of occupancy has been issued, inform the CPM 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. The CPM will then determine if the CBO needs to approve the work.	30 days prior to start of any activity listed requiring CBO approval	CBO/CEC	A/T	All	S P	Post CO	-	-		-	-	-
No	No	Pending	N/A				GEN-2	PC	Submit to CEC and CBO the monthly master discipline lists.	Submit to the CBO and to the CPM the schedule, and the master drawings and master specifications list of documents to be submitted to the CBO for review and approval. These documents shall be the pertinent design documents for the major structures, systems, and equipment defined above in Condition of Certification GEN-2. Major structures and equipment shall be added to or deleted from the list only with CPM approval.	60 days prior to start of grading	CBO/CEC	A/T	Permitting	S P	6/29/2011	Monthly	Monthly		-	-	-
No	No	Pending	N/A				GEN-2	CONS	Provide schedule updates in MCR.	Provide schedule updates in the monthly compliance report.	MCR	CBO/CEC	A/T	Permitting	S P	6/29/2011	Monthly	Monthly		-	-	-
No	No	Pending	N/A				GEN-3	PC	Make Required Payments to CBO.	Make the required payments to the CBO in accordance with the agreement. Send a copy of the CBO's receipt of payment to the CPM indicating that applicable fees have been paid. A copy of the contract between the project owner and the CBO shall be submitted to the CPM for review.	In next MCR	CBO/CEC	AS	ASI	H B	-	As Req.	As Req.		-	-	-

EN Req	Applicable for KPI	Progress	EMS Plan link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submittal Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Drws/Docs	Actual Submittal Date Drws/Docs	Actual Approval Date Drws/Docs	(Submittal due to Change)	Approved As-Builts	Approved Inspection	COO
No	No	Pending	N/A				GEN-4	PC	Submit Resume of RE and RE Delegate.	Submit to the CBO for review and approval, the resume and registration number of the resident engineer (RE) and any other delegated engineers assigned to the project. If the RE or the delegated engineer(s) is subsequently reassigned or replaced, the project owner has five days to submit the resume and registration number of the newly assigned engineer to the CBO for review and approval.	30 days prior to start of grading	CBO/CEC	A/T	Permitting	S P	8/29/2011	7/22/2011 - RE Ron Klinkebiel Luis Leal 12/14/11 - RE delegate 3/22/12 - RE 1/6/12 - RE Delegate Miguel Hernandez 7/10/13 - RE delegate Vivian Jiang	8/14/2011 - RE Ron Klinkebiel Luis Leal PE 12/27/11-RE delegate 03/28/12 - RE 1/13/12 - RE delegate Miguel Hernandez Vivian Jiang, SE,PE RE DELEGATE 07/13/2013.		-	-	-
No	No	Pending	N/A				GEN-4	PC	Notify CEC of Any Change within 5 days.	Notify the CPM of the CBO's approvals of the RE and other delegated engineer(s).	within 5 days of CBO's approval	CBO/CEC	A/T	Permitting	S P	As Req.	As Req.	As Req.		-	-	-
No	No	Pending	N/A				GEN-5	PC	Submit Resumes within 30 days of grading to CBO.	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.	30 days prior to start of grading	CBO	A/T	Permitting	S P	8/29/2011	7/22/2011 Emil Rudolf Greg Farrand Stewart Vaghti 6/19/13 Curtis Coombs 1/29/14 Vivian Jiang	8/14/2011 Emil Rudolf Greg Farrand Stewart Vaghti 6/20/2013 Curtis Coombs, PE 2/4/14 Vivian Jiang		-	-	-
No	No	Pending	N/A				GEN-5	PC	Submit Resumes within 30 days of construction to CBO.	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.	30 days prior to start of construction	CBO	A/T	Permitting	S P	8/29/2011	11/7/13 Chandra_Krishnamoorthy ME 11/13/13 Patrick Dulatt EE 2/5/14 Chen Fang EE	11/08/2013 Chandra_Krishnamoorthy ME PE 11/18/2013 Patrick M. Dulatt, EE & NCEES PE 2/6/14 Chen Fang EE		-	-	-
No	No	Pending	N/A				GEN-5	PC	Notify CEC of Any Change within 5 days.	Notify the CPM of the CBO's approvals of the responsible engineers.	within 5 days of the CBO's approval	CEC	A/T	Permitting	S P	As Req.	11/08/13 Chandra_Krishnamoorthy ME 11/18/13 Patrick Dulatt EE 2/4/14 Vivian Jiang 2/28/14 Chen Fang EE	11/25/13 Chandra_Krishnamoorthy ME Patrick Dulatt EE 2/4/14 Vivan Jiang 3/5/14 Chen Fang		-	-	-
No	No	Pending	N/A				GEN-5	CONS	Notify CEC of Any Change within 5 days.	If the designated responsible engineer is subsequently reassigned or replaced, submit the resume and registration number of the newly assigned engineer to the CBO for review and approval.	within 5 days of replacement	CBO	A/T	Permitting	S P	As Req.	As Req.	As Req.		-	-	-
No	No	Pending	N/A				GEN-6	CONS	Submit Names and qualifications of Certified Weld Inspectors to CBO and copy CEC.	Submit to the CBO for review and approval, with a copy to 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.	15 days prior to start of activity requiring special inspection	CBO/CEC	A/T	Permitting	S P	As Req.	As Req.	As Req.		-	-	-
No	No	Pending	N/A				GEN-6	CONS	Submit Names and qualifications of Special Inspectors to CBO and copy CEC.	Also submit to the CPM a copy of the CBO's approval of the qualifications of all special inspectors.	in next MCR	CBO/CEC	A/T	Permitting	S P	As Req.	As Req.	As Req.		-	-	-
No	No	Pending	N/A				GEN-7	CONS	Submit CBO approval of any corrective action to CEC.	Transmit a copy of the CBO's approval of any corrective action taken to resolve a discrepancy to the CPM.	MCR	CBO/CEC	A/T	Permitting	S P	As Req.	As Req.	As Req.		-	-	-
No	No	Pending	N/A				GEN-7	CONS	If corrective action is disapproved, advise CEC within 5 days revised corrective action.	If any corrective action is disapproved, advise the CPM, within five days, of the reason for disapproval and the revised corrective action to obtain CBO's approval.	within 5 days of disapproval by CBO	CBO/CEC	A/T	Permitting	S P	As Req.	As Req.	As Req.		-	-	-
No	No	Pending	N/A				GEN-8	CONS	Submit Letter to CBO with copy to CEC that all work is ready for inspection.	Submit to the CBO, with a copy to 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.	within 15 days of completion of CBO-approved work	CBO/CEC	A/T	Permitting	S P	As Req.	As Req.	As Req.		-	-	-
No	No	Pending	N/A				GEN-8	CONS	Submit Letter confirming all documents are stored on site and location to CPM.	Submit to the CPM a letter stating both that the above documents have been stored and the storage location of those documents.	After storing the final approved engineering plans etc	CEC	A/T	Post COC	S P	Post COC	As Req.	As Req.		-	-	-
No	No	Pending	N/A				GEN-8	COMM	Submit 3 Sets of Electronic Copies to CBO.	Provide to the CBO three sets of electronic copies of the above documents at the project owner's expense. These are to be provided in the form of "read only" (Adobe .pdf 6.0) files, with restricted (password-protected) printing privileges, on archive quality compact disks.	within 90 days of completion of construction	CBO	A/T	Civil/Permitting	P G/S P	Post COC	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	15 days prior to site grading	CIVIL-1	PC	Submit the Grading Plans to the CBO for review and approval and a copy of the transmittal letter to CEC.	Submit the 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 to the CBO for design review and approval.	15 days prior to site grading	CBO/CEC	A/T	Civil	S P	8/29/2011	7/1/2011	9/15/2011	X3 - 11/9/11 X4 - 2/21/12 X5 - 3/07/12 X6-3/22/12 X7-5/18/12 X8-6/12/12 X9-8/24/12 X10-5/3/13 2.01-6/19/12	-	-	-
Yes	No	Accomplished	N/A	Recurrent	Monthly	MCR	CIVIL-1	PC	Submit a written statement certifying that the documents have been approved by the CBO.	Submit a written statement certifying that the documents have been approved by the CBO.	in the next MCR	CBO/CEC	A/T	Permitting	S P	9/10/2011	9/10/2011	9/10/2011		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	24 hours following stop of construction; & within 24-hours of CBO's approval to resume	CIVIL-2	CONS	Notify CEC within 24 hours when Earthwork and Construction are stopped as a result of adverse geologic/soil conditions.	Notify 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, provide to the CPM a copy of the CBO's approval.	24 hours following stop of construction; & within 24-hours of CBO's approval to resume	CBO/CEC	AS+A/T	ASI/Permitting	H B/S P	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	within 5 days of discovery of discrepancies	CIVIL-3	CONS	RE to send NCR to CBO and CEC.	RE shall transmit to the CBO and the CPM a non-conformance report (NCR), and the proposed corrective action for review and approval.	within 5 days of discovery of discrepancies	CBO/CEC	AS+A/T	ASI/Field	H B/L L	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	within 5 days of resolution of NCR	CIVIL-3	CONS	Owner to submit corrective action to CBO and CEC.	Owner shall submit the details of the corrective action to the CBO and CPM.	within 5 days of resolution of NCR	CBO/CEC	AS+A/T	ASI/Permitting	H B/S P	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Recurrent	Monthly	MCR	CIVIL-3	CONS	Include NCR's in MCR.	A list of NCRs, for the reporting month, shall be included in MCR.	monthly in MCR	CEC	AS+A/T	ASI/Permitting	H B/S P	As Req.	As Req.	As Req.		-	-	-
Yes	No	Pending	N/A	Milestone	N/A	30 days of completion of erosion and sediment control work	CIVIL-4	CONS	Submit Grading Plans to CBO for Review and Approval with a Transmittal Copy to CEC	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 the CPM.	30 days of completion of erosion and sediment control work	CBO/CEC	A/T	Civil/Permitting	S P	Post COC	-	-		-	-	-
Yes	No	Accomplished	N/A	Recurrent	Monthly	MCR	CIVIL-4	CONS	Send the CPM a copy of the transmittal letter in the next monthly compliance report.	Submit a copy of the CBO's approval to the CPM in the next monthly compliance report	In the next MCR following approval	CEC	A/T	Permitting	S P	As Req.	As Req.	As Req.		-	-	-
No	No	N/A					STRUC-1	PC	Submit Structural Plans to CBO for Review and Approval with a Transmittal Copy to CEC	At least 60 days (or project owner and CBO approved alternative time frame) prior to the start of any increment of construction of any structure or component listed in the CBO-approved master drawing and master specifications list, the project owner shall submit to the CBO the above final design plans, specifications and calculations, with a copy of the transmittal letter to the CPM.	60 days prior to the start of construction of listed major structure	CBO/CEC	A/T	Mechanical	M A	As Req.	As Req.	As Req.		-	-	-
No	No	N/A	N/A				STRUC-1	PC	Send the CPM a copy of the transmittal letter in the next monthly compliance report.	Submit to 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.	In the next MCR following approval	CEC	A/T	Permitting	S P	As Req.	As Req.	As Req.		-	-	-
No	No	N/A	N/A				STRUC-2	CONS	Send the CPM a copy of any Discrepancies in the form of an NCR and Include Corrective Actions	If a discrepancy is discovered in any of the above data, 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 the CPM. The NCR shall reference the condition(s) of certification and the applicable CBC chapter and section.	within 5 days of discovery of discrepancies	CEC	A/T	Permitting	S P	As Req.	As Req.	As Req.		-	-	-
No	No	N/A	N/A				STRUC-2	CONS	Submit a copy of the corrective action to the CBO and the CPM.	Submit a copy of the corrective action to the CBO and the CPM.	within 5 days of resolution of NCR	CBO/CEC	A/T	Structural/Permitting	A T/S P	As Req.	As Req.	As Req.		-	-	-
No	No	N/A	N/A				STRUC-2	CONS	Submit a copy of the CBO's corrective action decision to the CPM.	Transmit a copy of the CBO's approval or disapproval of the corrective action to the CPM	within 15 days of CBO decision	CBO/CEC	A/T	Permitting	S P	As Req.	As Req.	As Req.		-	-	-
No	No	N/A	N/A				STRUC-2	CONS		If disapproved, advise the CPM, the reason for disapproval, and the revised corrective action to obtain CBO's approval.	within 5 days of disapproval by CBO	CBO/CEC	A/T	Structural/Permitting	A T/S P	As Req.	As Req.	As Req.		-	-	-
No	No	N/A	N/A				STRUC-3	PC & CONS	Submit a copy of intended design changes to the CBO and a copy of the transmittal to the CPM.	Notify the CBO of the intended filing of design changes, and submit the required number of sets of revised drawings and the required number of copies of the other above-mentioned documents to the CBO, with a copy of the transmittal letter to the CPM.	on a schedule suitable to the CBO	CBO/CEC	A/T	Structural/Permitting	A T/S P	As Req.	As Req.	As Req.		-	-	-

EN Req	Applicable for KPI	Progress	EMS Plan link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submittal Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Drws/Docs	Actual Submittal Date Drws/Docs	Actual Approval Date Drws/Docs	(Submittal due to Change)	Approved As-Builts	Approved Inspection	COO
No	No	N/A	N/A				STRUC-3	PC & CONS	Submit a copy of the CBO's Plan and Inspection Approvals.	Notify the CPM, via monthly compliance report, when the CBO has approved the revised plans.	In the next MCR following approval	CBO/CEC	A/T	Permitting	S P	As Req.	As Req.	As Req.		-	-	-
No	No	N/A	N/A				STRUC-4	CONS	Submit Structural Tank or Vessel Plans to CBO for Review and Approval with a Transmittal Copy to CEC	Prior to the start of installation of the tanks or vessels containing the specified quantities of toxic or hazardous materials, 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.	30 days prior to installation	CBO	A/T	Structural/Permitting	A T/S P	As Req.	As Req.	As Req.		-	-	-
No	No	N/A	N/A				STRUC-4	CONS	Submit a copy of the CBO's Plan and Inspection Approvals.	Send copies of the CBO approvals of plan checks to the CPM in the following monthly compliance report. Also transmit a copy of the CBO's inspection approvals to the CPM in the monthly compliance report following completion of any inspection.	In the next MCR following approval	CBO/CEC	A/T	Permitting	S P	As Req.	As Req.	As Req.		-	-	-
No	No	Pending	N/A				MECH-1	CONS	Submit Piping and Plumbing Plans to CBO for Review and Approval.	At least 30 days (or project owner- and CBO-approved alternative time frame) prior to the start of any increment of major piping or plumbing construction listed in the CBO-approved master drawing and master specifications list, 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.	30 days prior to the start of any increment of major piping or plumbing construction	CBO	A/T	Mechanical/Permitting	M A/S P	As Req.	As Req.	As Req.		-	-	-
No	No	Pending	N/A				MECH-1	CONS	Send the CPM a copy of the transmittal letter.	Send the CPM a copy of the transmittal letter.	in the next MCR	CEC	A/T	Permitting	S P	As Req.	As Req.	As Req.		-	-	-
No	No	Pending	N/A				MECH-1	CONS	Send the CPM a copy of the Inspection Approval from CBO.	Transmit to the CPM following completion of any inspection, a copy of the transmittal letter conveying the CBO's inspection approvals.	In the next MCR following inspection	CBO/CEC	A/T	Permitting	S P	As Req.	As Req.	As Req.		-	-	-
No	No	Pending	N/A				MECH-2	CONS	Submit Pressure Vessel Plans to CBO for Review and Approval and Transmittal to CEC.	For all pressure vessels installed in the plant: Submit to the CBO for design review and approval, the listed documents, including a copy of the signed and stamped engineer's certification, with a copy of the transmittal letter to the CPM.	30 days prior to the start of PV on-site fabrication or installation	CBO	A/T	Mechanical/Permitting	M A/S P	As Req.	As Req.	As Req.		-	-	-
No	No	Pending	N/A				MECH-2	CONS & COMM	Send the CPM a copy of the Inspection Approval from CBO.	Transmit to the CPM, following completion of any inspection, a copy of the transmittal letter conveying the CBO's and/or Cal-OSHA inspection approvals.	In the next MCR following inspection	CEC	A/T	Permitting	S P	As Req.	As Req.	As Req.		-	-	-
No	No	Pending	N/A				MECH-3	CONS	Submit HVAC Plans to CBO for Review and Approval and Transmittal to CEC.	Prior to the start of construction of any HVAC or refrigeration system, 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 the CPM.	30 days prior to construction of any HVAC or refrigeration system	CBO/CEC	A/T	Mechanical/Permitting	M A/S P	As Req.	As Req.	As Req.		-	-	-
No	No	N/A	N/A				ELEC-1	CONS	Submit Electrical Plans to CBO for Review and Approval with a Transmittal Copy to CEC	Prior to the start of each increment of electrical construction, submit to the CBO for design review and approval the above listed documents. Include in this submittal a copy of the signed and stamped statement from the responsible electrical engineer attesting compliance with the applicable LORS.	30 days prior to start of each increment of electrical construction	CBO/CEC	A/T	Electrical	M K	As Req.	As Req.	As Req.		-	-	-
No	No	N/A	N/A				ELEC-1	CONS	Send the CPM a copy of the transmittal letter in the next monthly compliance report.	Send the CPM a copy of the transmittal letter in the next monthly compliance report.	in the next MCR	CBO/CEC	A/T	Permitting	S P	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	60 days prior to ground disturbance	PAL-1	PC	Submit statement and resume of availability of PRS	Submit a resume and statement of availability of its designated paleontological resource specialist (PRS) for on-site work.	60 days prior to ground disturbance	CEC	AS	ASI	M S	6/29/2011	3/1/2011	6/29/2011		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	20 days prior to ground disturbance	PAL-1	PC	Provide letter naming all monitors	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 the CPM. The letter shall be provided to the CPM no later than one week prior to the monitor's beginning on-site duties.	20 days prior to ground disturbance	CEC	AS	ASI	M S	6/29/2011	3/1/2011	6/29/2011		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	Prior to the termination or release of a PRS	PAL-1	CONS	Provide Resume of New PRS	Prior to the termination or release of a PRS, submit the resume of the proposed new PRS to the CPM for review and approval.	As required	CEC	AS	ASI	M S	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to ground disturbance	PAL-2	PC	Provide Monitor Maps to PRS and CEC	Provide the maps and drawings to the PRS and CPM.	30 days prior to ground disturbance	CEC	A/T + AS	ASI/AEPC Staff	M S/L B	6/29/2011	3/1/2011	6/29/2011		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	15 days prior to ground disturbance	PAL-2	PC	Provide Revised Monitor Maps to PRS and CEC	If there are changes to the footprint of the project, revised maps and drawings shall be provided to the PRS and CPM.	15 days prior to ground disturbance	CEC	A/T + AS	ASI/AEPC Staff	H B/L B	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	within 5 days of identifying changes	PAL-2	PC	Provide Scheduling Changes of Construction Phases to CEC	If there are changes to the scheduling of the construction phases, submit a letter to the CPM.	within 5 days of identifying changes	CEC	A/T + AS	ASI/AEPC Staff	H B/L B	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to ground disturbance	PAL-3	PC	Provide a Copy of the PRMMP to CEC	Provide a copy of a paleontological resources monitoring and mitigation plan (PRMMP) to 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.	30 days prior to ground disturbance	CEC	AS	ASI	H B	6/29/2011	3/1/2011	6/29/2011		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to ground disturbance	PAL-4	PC	Provide a Copy of the WEAP to CEC	Submit the proposed Worker Environmental Awareness Program (WEAP), including the brochure, with the set of reporting procedures for workers to follow.	30 days prior to ground disturbance	CEC	AS	ASI	H B	6/29/2011	3/1/2011	6/29/2011	BIO5-02-01 01/04/13	BIO5-02-01 02/20/13	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to ground disturbance	PAL-4	PC	Provide a Copy of the WEAP to CEC	Submit the training program presentation/ materials to the CPM for approval if planning to use a presentation format other than an in-person trainer for training.	30 days prior to ground disturbance	CEC	AS	ASI	H B	6/29/2011	3/1/2011	6/29/2011		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	When an alternate paleontological trainer is requested	PAL-4	PC	Provide a Copy of the WEAP to CEC	If the owner requests an alternate paleontological trainer, the resume and qualifications of the trainer shall be submitted to the CPM for review and approval prior to installation of an alternate trainer. Alternate trainers shall not conduct training prior to CPM authorization.	As necessary	CEC	AS	ASI	H B	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Recurrent	Monthly	MCR	PAL-4	CONS	Provide a Copy of the WEAP to CEC	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 other approved presentation format) offered that month. Also include a running total of all persons who have completed the training to date.	MCR	CEC	AS	ASI	H B	Monthly	Monthly	Monthly		-	-	-
Yes	No	Accomplished	N/A	Recurrent	Monthly	MCR	PAL-5	CONS	Notify CEC of Any Planned Monitoring Changes	Ensure that the PRS submits the summary of monitoring and paleontological activities in the MCR.	MCR	CEC	AS	ASI	H B	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	10 days in advance of proposed monitoring changes, or ASAP	PAL-5	CONS	Notify CEC of Any Planned Monitoring Changes	When feasible, 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.	10 days in advance of proposed monitoring changes, or ASAP	CEC	AS	ASI	H B	As Req.	As Req.	As Req.		-	-	-
Yes	No	Accomplished	N/A	Continuous	N/A	N/A	PAL-6	OPS	Maintain Paleontological Agreements	Maintain in compliance file copies of signed contracts or agreements with the designated PRS and other qualified research specialists. Maintain these files for a period of three years after project completion and approval of the CPM-approved paleontological resource report (see Condition of Certification PAL-7). 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 the CPM.	maintain for 3 years after project completion and CPM-approval of PR Report	CEC	AS	ASI	ASI Staff	As Req.	As Req.	As Req.		-	-	-
Yes	No	N/A	N/A	Milestone	N/A	within 90 days of completion of ground disturbance	PAL-7	CONS	Submit PRR	Submit the PRR under confidential cover to the CPM.	within 90 days of completion of ground disturbance	CEC	AS	ASI	M S	Post COC	-	-		-	-	-
No	No	Pending	N/A				TSE-1	PC	Submit Master Drawing and Specifications Lists 6/29/2011to CBO and CEC	At least 60 days prior to the start of construction of the transmission elements of the project, submit the schedule, a Master Drawing List, and a Master Specifications List to the CBO 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. Additions and deletions shall be made to the table only with CPM and CBO approval.	60 days prior to start of construction of the transmission elements	A/T	A/T	Permitting	S P	8/29/2011	6/29/2011	8/29/2011		-	-	-
No	No	Pending	N/A				TSE-1	CONS	Provide Monthly Schedule Updates	Provide schedule updates in the MCR.	MCR	CEC	A/T	Permitting	S P	Monthly	Monthly	Monthly		-	-	-
No	No	Pending	N/A				TSE-2	PC	Provide CBO Resumes of All Responsible Project Engineers	Submit to CBO for review and approval, the names, qualifications and registration numbers of all the responsible engineers assigned to the project.	30 Days Prior to Rough Grading	CBO	A/T	Permitting	S P	8/1/2011	5/1/2011	6/1/2011		-	-	-
No	No	Pending	N/A				TSE-2	PC	Provide Resume copies to CEC	Notify CPM of the CBO's approval.	within 5 days of CBO approval	CEC	A/T	Permitting	S P	6/5/2011	6/5/2011	6/5/2011		-	-	-
No	No	Pending	N/A				TSE-2	PC & CONS	Provide Resume of New Engineer and notify CEC within 5 Days	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 the CPM of the CBO's approval of the new engineer within five days of the approval.	within 5 days of change in RE	CBO, CEC	A/T	Permitting	S P	As Req.	As Req.	As Req.		-	-	-
No	No	Pending	N/A				TSE-3	CONS	Provide Copy of CBO approval or disapproval	Submit a copy of CBO's approval or disapproval of any corrective action taken to resolve a discrepancy to the CPM.	within 15 days of receipt	CBO, CEC	A/T	Permitting	S P	As Req.	As Req.	As Req.		-	-	-

EN Req	Applicable for KPI	Progress	EMS Plan link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submittal Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Drws/Docs	Actual Submittal Date Drws/Docs	Actual Approval Date Drws/Docs	(Submittal due to Change)	Approved As-Builts	Approved Inspection	COO
No	No	Pending	N/A				TSE-3	CONS	If Disapproved, Provide Corrective Action	If disapproved, advise the CPM, the reason for disapproval, and the revised corrective action to obtain CBO's approval.	within 5 days of CBO disapproval	CBO, CEC	A/T	Permitting	S P	As Req.	As Req.	As Req.		-	-	-
No	No	Accomplished	N/A				TSE-4	CONS	Prior to start of Construction, Submit Proposed Design Plans to CBO	Prior to the start of each increment of construction, 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.	30 days prior to start of each increment of construction	CBO	A/T	Electrical	M K	As Req.	As Req.	As Req.		-	-	-
No	No	Pending	N/A				TSE-4	CONS	Send CEC a Copy of Transmittal	Send the CPM a copy of the transmittal letter.	in the next MCR	CEC	A/T	Permitting	S P	As Req.	As Req.	As Req.		-	-	-
No	No	Accomplished	N/A				TSE-5	CONS	Submit Proposed Transmission Facility Drawings to CBO	To ensure the proposed transmission facilities will conform to all applicable LORS, submit to the CBO for approval: Items A through G listed in the COC, including Design drawings, specifications and calculations, with design criteria, Electrical one-line diagrams, the Special Protection System (SPS) sequencing and timing if applicable, a letter stating the mitigation measures or projects selected by the transmission owners for each reliability criteria violation are acceptable, an Operational study report based on the expected or current COD from the California ISO and/or SCE, and a copy of the executed LGIA signed by the California ISO and the project owner	60 days prior to construction of transmission facilities	CBO	A/T + AS	Electrical	TSLNM K	As Req.	TSE5-00-00 INTO THE CEC 11.08.2013 APPROVED 12.02.2013	TSE5-00-00 INTO THE CEC 11.08.2013 APPROVED 12.02.2013		-	-	-
No	No	Accomplished	N/A				TSE-6	CONS	Submit Change Request of Transmission Facility Drawings to CBO and CEC	Inform the CBO and the CPM of any impending changes that may not conform to requirements of TSE-5 and request approval to implement such changes.	60 days prior to construction of transmission facilities	CBO, CEC	A/T	Electrical	M K	As Req.	As Req.	As Req.		-	-	-
No	No	Accomplished	N/A				TSE-7	COMM	Provide CEC a Copy of CAISO Letter	Provide copies of the CAISO letter to the CPM when it is sent to the CAISO.	1 week prior to initial synchronization with grid	CAISO, CEC	A/T	Electrical	M K		11/7/2014 Submittal TSE7-00-02 CAISO notice of synchronization letter 10/31/2014 Submittal TSE7-00-01 CAISO notice of synchronization letter 10/23/2014 Submittal TSE7-00-00 CAISO Notice of synchronization letter	12/26/2014 Approval TSE7-00-02 CAISO notice of synchronization letter		-	-	-
No	No	Accomplished	N/A				TSE-7	COMM	Contact CAISO One Day Prior to Synchronization	Contact CAISO Outage Coordination Department, Mon thru Fri, btwn 0700 and 1530 at (916) 351-2300 at least one business day prior to synchronizing the facility with the grid for testing. A report of conversation with the CAISO shall be provided electronically to the CPM one day before synchronizing the facility with the CA transmission system for the first time.	1 day prior to initial synchronization with grid	CAISO, CEC	A/T	Electrical	M K		11/20/2014 Submittal TSE7-01-00 Documentation of CAISO telephone notification	12/26/2014 Approval TSE7-01-00 Documentation of CAISO telephone notification		-	-	-
No	No	Pending	N/A				TSE-8	COMM	Submit As-Built Drawings to CBO and CEC	Transmit to the CPM and CBO: "As Builts" and one-line drawings of the electrical portion; "as built" engineering description of the mechanical, structural, and civil portion of the transmission facilities they shall be maintained at the power plant and made available if requested for CPM Audit; A summary of inspections of the completed transmission facilities [See COC]	within 60 days after first synchronization	CBO, CEC	A/T	Electrical	M K	As Req.	-	-		-	-	-

% Legal Requirements Accomplished Mojave Solar Plant	
Al cierre de cada mes, copiar y pegar valores en el	
Total Req.	129
Total Unfulfilled Req.	0
% Legal Req. Fulfilled	100.0%

Mojave Solar LLC
42134 Harper Lake Road Phone: 760 308 0400
Hinkley, California 92347

Appendix C

Air Quality 16

2019 HTF delivery records, leaks and spills.

Mojave Solar Project
Annual Compliance Report
San Bernardino County, California

2019 Reporting Period

Atlantica
Sustainable Infrastructure

Owner: Mojave Solar, LLC
Address: 1553 W Todd Dr Suite 204
Tempe AZ 85283 USA
Ph.: 480-503-8937
Fax:
E-Mail: ap.us@atlanticayield.com
VAT:

APPROVED

Purchase Order.		Allocation Center.
Number.	Date	P/K25/05/000004-605
4500901821	12/06/2019	
Delivery Date:	12/31/2019	
Destination:	Company: Mojave Solar LLC Address: 42134 Harper Lake Road, CA Hinkley CA 92347 USA Ph.: 303-928-8500 Fax: 303-928-8510 E-Mail:	
Consignee	Mojave Solar LLC	
Freights		Packing: / Mat. Price:
Paym.cond. Incoterm	Payment within 30 days	
Contact Person	Jessica Darst jessica.darst@atlanticayield.com Cell (480) 270-0150	

43-1781797
Solutia Inc

575 Maryville Centre Drive
St. Louis MO 63141 USA

fluids@eastman.com

Purchase Order

Id.	Part Number	Quantity	Unit	Allocation Center.	Delivery Date:	Description	Price	D1 (%)	D2 (%)	D2 (Abs.)	Net Price
00010		10,000	GAL	P/K25/05/000004-605	12/31/2019	Therminol VP-1 Bulk	11.92	0.00	0.00	0.00	119,200.00
						Amount Partial of Purchase Order					119,200.00
						Total Net Price					119,200.00
						Total PO (in USD)					119,200.00

Eastman quote: 12-05-2019
Contact: Jennifer Matson

All Invoice shall be supported by this PO. If not, contact the Activity Manager. All Invoices shall use the same breakdown of this PO. If both parties agree to execute an agreement, as a support of this PO, the agreements Terms and Conditions prevail over the PO#s Terms and Conditions

Solutia Inc.
575 Maryville Centre Drive
St. Louis, MO 63141

10535818

1215 JD

4-1CS

PRICE QUOTATION

4500901821

Jennifer Matson
Mojave Solar Plant
(BUYER)

THE FOLLOWING GOODS, SUBJECT TO TERMS AND CONDITIONS AS STATED BELOW AND ON THE FOLLOWING PAGE(S) HEREOF.

PERIOD Price quotation is valid through 12/31/2019. Solutia reserves the right to change or withdraw this quotation at any time unless purchase order from BUYER is received and acknowledged by SELLER.

GOODS Product(s) meeting Seller's standard specifications, as may be revised from time to time.

Product Description (ST)	Qty	Price / Unit	Unit	Crcy
Therminol VP-1 Bulk	10,000 Gallons	$11.92/Gallon	GL	USD

If actual purchase order differed from quantity quoted, pricing may be adjusted.

PAYMENT TERMS Upon credit approval; Net 30 days by means of electronic funds transfer, per Seller's instructions, in such manner that will place Seller's specified bank account in possession of full payment on or before the 30th day, in United States currency or equivalent bank demand deposit funds.

INCOTERMS (2010) Carriage Paid To: Hinkley, CA

LEAD TIME Buyer shall provide Seller with written order at least 2 weeks prior to Buyer's requested delivery date, subject to availability at time of order.

ADDITIONAL TERMS AND CONDITIONS

To place orders, please contact:	December 4, 2019
Logan Addington, Customer Service Representative Phone: 1-800-426-2463 Fax: 314-674-7433 Email: fluids@eastman.com	Solutia Inc., SELLER Mark Egbuonu, Key Account Manager 832-206-2898 Mark.Egbuonu@eastman.com

38072

QUEST LINER, INC.

DUBUQUE, IOWA • PHONE (563) 584-2670 • FAX (866) 260-7308

X X Q L I C X X Q L I C

MANIFEST NUMBER 7 4 1 4 1 8 3

DATE LOADED	TRAILER	DRIVER NAME
12/23/19	414046	Robert Roberts

SHIPPER	ADDRESS
South Coast Terminal	Wallisville Rd

RECEIVER	ADDRESS	BEG ODO
McJones Taylor	42134 Harper Lake Rd	413285

BOL	ACTUAL WEIGHT	COMMODITY	END ODO
SO-72532549	44,700	Thermoset VP1	414967

CHECK ALL THAT APPLY

☐ PRELOAD ☐ LOAD ☑ UNLOAD ☐ WASH ☐ SAFETY SUIT # _____

☑ STOPS # 1 ☐ LAYOVER ☐ BREAKDOWN HOURS _____

☐ SUNDAY LOAD ☐ HOURLY WORK HOURS _____ ☑ P.O. 4533629/3538758

☐ SATURDAY LOAD ☐ DETENTION ☐ EXTRA HOSE USED _____ ☐ RETURNED LOAD

STARTED AT	LOADED / HOOKED	UNLOADED / DROPPED	WASHED	ENDED AT
Houston TX	Houston TX	Hinkley CA	Houston TX	Houston, TX

COMMENTS (explain any hourly work, etc.)

Unload with Tractor Pump

TRACTOR NUMBER 2 1 5 1 3 2

REIMBURSED EXPENSES ☐

PURCHASE DATE	INVOICE NO.	VENDOR	LOCATION	CHARGES

STOP	/	RECEIVER
1	/	1
	/	
	/	
	/	

The Tank is acceptable for loading and all valves are closed.

By X RTS

RECEIVER REPRESENTATIVE: I certify the following: The connection had been made to the proper receiving line and the receiving tank will hold the complete load. The shipper's bill of lading is in accordance with the proper product ordered. The driver has been instructed of all special instructions and has been cleared to unload.

X _____

LOAD				UNLOAD			
	MILITARY TIME AT LOCATION	DATE	EXPLAIN ANY ELAPSED TIME OVER ONE HOUR		MILITARY TIME AT LOCATION	DATE	EXPLAIN ANY ELAPSED TIME OVER ONE HOUR
SCHED PICKUP	12:00	12/23/19	Arrived Loaded	SCHED DELIVERY	8:00	12/26/19	Arrived At Consignee
ENTER PLANT	12:00	12/23/19	Departed	ENTER PLANT	9:00	12/26/19	no pump
DEPART PLANT	14:26	12/23/19	Shipped	DEPART PLANT	11:00	12/26/19	
TOTAL TIME	2 26	SHIPPER PER	X RTS	TOTAL TIME	2 hr	RECEIVER PER	X Jennifer Watson

DRIVER'S REMARKS _____

SHIPPER'S NUMBER _____

RECEIVED THE ABOVE PROPERTY IN GOOD CONDITION EXCEPT AS NOTED _____

RECEIVED PER X _____

DRIVERS COPY

38072

QUEST LINER, INC.

DUBUQUE, IOWA • PHONE (563) 584-2670 • FAX (866) 260-7308

MANIFEST NUMBER: 2414184

XXQLIC XXQLIC

DATE LOADED	TRAILER	DRIVER NAME
12/23/19	413085	Manuel Rosales
SHIPPER		ADDRESS
South Coast		Houston TX
RECEIVER		ADDRESS / BEG ODO
Mojave Solar		HINKLEY CA
BOL	ACTUAL WEIGHT	COMMODITY / END ODO

CHECK ALL THAT APPLY:

☐ PRELOAD ☑ LOAD ☑ UNLOAD ☐ WASH ☐ SAFETY SUIT # _____

☐ STOPS # _____ ☐ LAYOVER ☐ BREAKDOWN HOURS _____

☐ SUNDAY LOAD ☐ HOURLY WORK HOURS _____ ☑ P.O. # _____

☐ SATURDAY LOAD ☑ DETENTION ☐ EXTRA HOSE USED _____ ☐ RETURNED LOAD

STARTED AT	LOADED / HOOKED	UNLOADED / DROPPED	WASHED	ENDED AT
Houston TX	Houston TX	HINKLEY CA		Houston TX

COMMENTS (explain any hourly work, etc.)

TRACTOR NUMBER: 5295

REIMBURSED EXPENSES ☐

PURCHASE DATE	INVOICE NO.	VENDOR	LOCATION	CHARGES

STOP / RECEIVER

The Tank is acceptable for loading and all valves are closed.

By X _____

RECEIVER REPRESENTATIVE: I certify the following: The connection had been made to the proper receiving line and the receiving tank will hold the complete load. The shipper's bill of lading is in accordance with the proper product ordered. The driver has been instructed of all special instructions and has been cleared to unload.

X Jennifer Watson

LOAD	MILITARY TIME AT LOCATION	DATE	EXPLAIN ANY ELAPSED TIME OVER ONE HOUR
SCHED PICKUP	09:00	12/23/19	
ENTER PLANT	08:50	12/23/19	
DEPART PLANT			
TOTAL TIME		SHIPPER PER	X

UNLOAD	MILITARY TIME AT LOCATION	DATE	EXPLAIN ANY ELAPSED TIME OVER ONE HOUR
SCHED DELIVERY	08:00	12/24/19	
ENTER PLANT	09:00	12:00	
DEPART PLANT			
TOTAL TIME		RECEIVER PER	X

DRIVER'S REMARKS _____

SHIPPER'S NUMBER _____

RECEIVED THE ABOVE PROPERTY IN GOOD CONDITION EXCEPT AS NOTED _____

RECEIVED PER X Jennifer Watson

DRIVERS COPY

South Coast Terminals

Custom Chemical and Lubricant Services
Blending/Finishing/Packaging/Bulk Storage

SHIPMENT SITE

☐ 7301 Wallisville Road • Houston, Texas 77020-3595 • Phone: 713-672-2401

☐ 9317 East Ave. "S", Houston, Texas 77012 • Phone: 713-926-7451

☐ 10900 Strang Road, La Porte, Texas 77571 • Phone: 281-842-1286

DRIVER ON ☑ OFF ☐

Weighed By: _____

08:58 12/23/2019

31880 lb G (Total)

10920 lb G(Scale 1)
12880 lb G(Scale 2)
8080 lb G(Scale 3)

09:55 AM 12/23/2019
ID
76500 lb G (Total)

10940 lb G(Scale 1)
33360 lb G(Scale 2)
32200 lb G(Scale 3)

5295

STRAIGHT BILL OF LADING - SHORT FORM

NOT NEGOTIABLE

BULK SHIPMENT

SHIPPER: SOLUTIA INC.
A SUBSIDIARY OF EASTMAN CHEMICAL CO
C/O SOUTHCOAST TERMINALS
7401 WALLISVILLE ROAD
HOUSTON,TX 77220

RECEIVED, subject to individually determined rates or contracts that have been agreed upon between the carrier and the shipper, or the agent, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request. The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. Every service to be performed hereunder shall be subject to the terms and conditions set forth in the Uniform Freight Classification or contract(s) in effect on the date hereof, if this is a rail or rail-water shipment.

This document constitutes a delivery receipt when transportation is by private carrier, in which case bill of lading conditions are replaced by shipper's pickup condition.

FRT CODE	SHIPPER'S ORDER NUMBER	CUSTOMER ORDER NUMBER	DESTINATION CODE	ROUTING CODE
	3496363	4500901821		

If this shipment is to be delivered to the consignee without recourse to the shipper, the shipper shall sign the following statement:
"The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges."

CONSIGNED TO
MOJAVE SOLAR LLC
42134 HARPER LAKE RD
HINKLEY CA 92347-9305

B/L DATE
12/23/2019

B/L NUMBER
SO-72532550

Freight charge
PREPAID

SUBMIT BILL FOR FREIGHT CHARGES TO:
EASTMAN CHEMICAL CO.
ATTN: ACCTS. PAYABLE
P.O. BOX 511
KINGSPORT TN 37662

CAR OR VEHICLE INITIAL & NUMBER
413085

ORIGIN CARRIER & ROUTING
QUEST LINER INC

COMPARTMENTS	HM	DESCRIPTION OF ARTICLES	WEIGHTS
1 TT	X	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (BIPHENYL) 9 III RQ (BIPHENYL) MARINE POLLUTANT (DIPHENYL) BULK LIQUID CHEMICALS, NOI THERMINOL® VP1 HEAT TRANSFER FLUID, BULK CUSTOMER P.O.: 4500901821 **SHIPMENT SPECIAL INSTRUCTIONS** Call Eastman Logistics immediately at 1-800-EASTMAN, press 4 for any potential delays in loading, unloading, or during shipment. Requested Delivery 12/26/2019 COA & MSDS WITH SHIPMENT EQUIPMENT: PUMP, REAR UNLOADER 3" MALE CAMLOCK 100 FT HOSE CONTACT: Antonio Jesus Gutierrez Caballero Phone: +1(602)412 3324 Cell: +1 (720) 369 5581 Angelica Mlynarczyk 480-270-0234 602-412-3343 ext 408 Deliveries:39328749 Customer Orders:4500901821 Eastman Orders:3496363 BATCH: 2109150583	G: 76500 T: 31880 N: 44620 TOP SEAL: 2496856 2496857 BOTTOM SEAL: 2496865

Received
MSDS ✓ MR
COA ✓ MR
Papers ✓ MR
Drivers Initials ✓ MR

STRAIGHT BILL OF LADING - SHORT FORM

NOT NEGOTIABLE

PER:	CONSIGNED TO
SOLUTIA INC. A SUBSIDIARY OF EASTMAN CHEMICAL CO C/O SOUTHCOAST TERMINALS 7401 WALLISVILLE ROAD HOUSTON, TX 77220	MOJAVE SOLAR LLC 42134 HARPER LAKE RD HINKLEY CA 92347-9305
B/L NUMBER SO-72532650	

COMPARTMENTS	HM	DESCRIPTION OF ARTICLES	WEIGHTS

SHIPPER'S CERTIFICATION This is to certify that the above named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation (Applies to hazardous materials only)

SHIPPER / AGENT :

PER: ANTHONY MCCLURE

WHERE THE RATE IS DEPENDENT ON VALUE, the agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding 293 cents per pound for each commodity package, or 293 cents per pound for each article, or other applicable released-value amount, dependent upon the applicable classification, contract and/or tariff, and whichever results in the lowest freight charges on the date of shipment

Motor carrier certifies below that the proper placards have been affixed when required.

Carrier certifies below that emergency response information / North American guidebook is on board its vehicle for use at all times for hazardous materials in accordance with D.O.T. requirements.

CARRIER (original signature required) X

B/L NUMBER: SO-72532650 SHIPMENT: 86336321

Transportation Emergency Contact: Chemtrec 1-800-424-9300, CCN 7321 SHIPMENT#:86336321 PRD *

STRAIGHT BILL OF LADING - SHORT FORM

NOT NEGOTIABLE

Page NO : 1 of 2

BULK SHIPMENT

SHIPPER: SOLUTIA INC.
A SUBSIDIARY OF EASTMAN CHEMICAL CO
C/O SOUTHCOAST TERMINALS
7401 WALLISVILLE ROAD
HOUSTON, TX 77220

RECEIVED, subject to individually determined rates or contracts that have been agreed upon between the carrier and the shipper, or his agent, if applicable, otherwise to the rates, classifications and rules that have been established by the carrier and are available to the shipper, on request. The property described below, in apparent good order, except as noted (contents and condition of contents of packages unknown), marked, consigned, and destined as indicated below, which said carrier (the word carrier being understood throughout this contract as meaning any person or corporation in possession of the property under the contract) agrees to carry to its usual place of delivery at said destination, if on its route, otherwise to deliver to another carrier on the route to said destination. Every service to be performed hereunder shall be subject to the terms and conditions set forth in the Uniform Freight Classification or contract(s) in effect on the date hereof, if this is a rail or rail-water shipment.

This document constitutes a delivery receipt when transportation is by private carrier, in which case bill of lading conditions are replaced by shipper's pickup condition.

FRT CODE	SHIPPER'S ORDER NUMBER	CUSTOMER ORDER NUMBER	DESTINATION CODE	ROUTING CODE	If this shipment is to be delivered to the consignee without recourse to the shipper, the shipper shall sign the following statement: "The carrier shall not make delivery of this shipment without payment of freight and all other lawful charges."
	3496363	4500901821			

CONSIGNED TO

MOJAVE SOLAR LLC
42134 HARPER LAKE RD
HINKLEY CA 92347-9305

B/L DATE: 12/23/2019

B/L NUMBER: SO-72532549

Freight charge: PREPAID

SUBMIT BILL FOR FREIGHT CHARGES TO:

EASTMAN CHEMICAL CO.
ATTN: ACCTS. PAYABLE
P.O. BOX 511
KINGSPORT TN 37662

CAR OR VEHICLE INITIAL & NUMBER: 414046

ORIGIN CARRIER & ROUTING: QUEST LINER INC

COMPARTMENTS	HM	DESCRIPTION OF ARTICLES	WEIGHTS
			LB
1 TT	X	UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S., (BIPHENYL) 9 III RQ (BIPHENYL) MARINE POLLUTANT (DIPHENYL)	G: 74640 T: 29940 N: 44700
		BULK LIQUID CHEMICALS, NOI THERMINOL® VP1 HEAT TRANSFER FLUID, BULK CUSTOMER P.O.: 4500901821	
		SHIPMENT SPECIAL INSTRUCTIONS Call Eastman Logistics immediately at 1-800-EASTMAN, press 4 for any potential delays in loading, unloading, or during shipment.	TOPSEAL: 2496166
		Requested Delivery 12/26/2019 COA & MSDS WITH SHIPMENT EQUIPMENT: PUMP, REAR UNLOADER 3" MALE CAMLOCK 100 FT HOSE CONTACT: Antonio Jesus Gutierrez Caballero Phone: +1(602)412 3324 Cell: +1 (720) 369 5581 Angelica Mlynarczyk 480-270-0234 602-412-3343 ext 408	2493953
		Deliveries:39328750 Customer Orders:4500901821 Eastman Orders:3496363	BOTTOM SEAL: 2496266
		BATCH: 2109150585	

Received
MSDS ✓ PR
COA ✓ PR
Placards ✓ PR
Drivers Initials ✓ PR
Seals ✓ PR

Transportation Emergency Contact: Chemtrec 1-800-424-9300, CCN 7321 SHIPMENT#:86336320 PRD *

STRAIGHT BILL OF LADING - SHORT FORM

NOT NEGOTIABLE

SHIPPER:

SOLUTIA INC.
A SUBSIDIARY OF EASTMAN CHEMICAL CO
C/O SOUTHCOAST TERMINALS
7401 WALLISVILLE ROAD
HOUSTON, TX 77220

CONSIGNED TO

MOJAVE SOLAR LLC
42134 HARPER LAKE RD
HINKLEY CA 92347-9305

B/L NUMBER
SO-72532649

COMPARTMENTS	HM	DESCRIPTION OF ARTICLES	WEIGHTS

SHIPPER'S CERTIFICATION: This is to certify that the above-named materials are properly classified, described, packaged, marked and labeled, and are in proper condition for transportation according to the applicable regulations of the Department of Transportation (As applies to hazardous materials only).

SHIPPER / AGENT :

PER: **ANTHONY MCCLURE**

WHERE THE RATE IS DEPENDENT ON VALUE, the agreed or declared value of the property is hereby specifically stated by the shipper to be not exceeding 250 cents per pound for each distribution package, or 250 cents per pound for each article, or other applicable released-value amount, dependent upon the applicable classification, contract and/or tariff, and whichever results in the lowest freight charges on the date of shipment.

Motor carrier certifies below that the proper placards have been offered when required.

Carrier certifies below that emergency response information / North American guidebook is on board its vehicle for use at all times for hazardous materials in accordance with D.O.T. requirements

CARRIER (original signature required)

B/L NUMBER: **SO-72532649** SHIPMENT: **86336320**

Transportation Emergency Contact: Chemtrec 1-800-424-9300, CCN 7321 **SHIPMENT#:86336320** **PRD** *

EASTMAN

PROFORMA INVOICE
SELLER
SOLUTIA INC.
A SUBSIDIARY OF EASTMAN CHEMICAL COMPANY
575 MARYVILLE CENTRE DRIVE
SAINT LOUIS MO 63141

INVOICE NO. **INVOICE DATE** **PAGE NO**
1 of 2

EASTMAN ORDER **ORDER DATE**
3496363 **Dec 06, 2019**
INVOICE TOTAL
119,200.00 USD
CUSTOMER ORDER NUMBER:
4500901821

SHIP TO:
MOJAVE SOLAR LLC
42134 HARPER LAKE RD
HINKLEY CA 92347-9305

BILL TO: **ACCT: 4308849**
MOJAVE SOLAR LLC
1553 W TODD DR STE 204
TEMPE AZ 85283-4845

SHIPMENT TERMS:
(CPT) CARRIAGE PAID TO, HINKLEY, CA
TRUCK FREIGHT PREPAID

PAYMENT TERMS
50% CASH IN ADVANCE , BAL. N30 DAYS FROM D/I
SHOW INV & ACCT NO. ON REMITTANCE

PLEASE REMIT TO

BANK NAME: CITIBANK N.A., NEW YORK, USA
ACCT NO: 4057-7752
SWIFT: CITIUS33
ABA#:021-000-089
CHIPS#:0008
BENEFICIARY: EASTMAN CHEMICAL FINANCIAL CORPORATION
COMMENTS: REF PAYER NAME AND INVOICE

THESE COMMODITIES, TECHNOLOGY OR SOFTWARE ARE SUBJECT TO THE EXPORT ADMINISTRATION REGULATIONS. U.S. LAW PROHIBITS EXPORTS AND RE-EXPORTS OF U.S. ITEMS TO VARIOUS COUNTRIES, ENTITIES, AND PERSONS. DIVERSION CONTRARY TO U.S. LAW IS PROHIBITED.

DESCRIPTION AND QUANTITY ORDERED	QUANTITY SHIPPED		CURRENCY IN USD UNIT PRICE AND AMOUNT	
THERMINOL®VP1 HEAT TRANSFER FLUID, BULK				
ITEM - 10 GMN - P3433700				
	5,000 (5,000 GL)	GL	11.92 PER GL	59,600.00
ITEM - 20 GMN - P3433700				

5,000	GL	11.92	59,600.00
(5,000 GL)		PER GL	

INVOICE TOTAL **USD** **119,200.00**

IF YOU HAVE ANY QUESTIONS ON AMOUNT DUE, PLEASE CALL YOUR CUSTOMER SERVICE REPRESENTATIVE AT 423-229-4453

EASTMAN

COMMERCIAL INVOICE
SELLER
SOLUTIA INC.
A SUBSIDIARY OF EASTMAN CHEMICAL COMPANY
575 MARYVILLE CENTRE DRIVE
SAINT LOUIS MO 63141

INVOICE NO.	INVOICE DATE	PAGE NO
63548408	Dec 31, 2018	1 of 2

EASTMAN ORDER **ORDER DATE**
3138513 **Nov 29, 2018**
INVOICE TOTAL
116,722.54 USD
DUE DATE
JAN 30,2019
CUSTOMER ORDER NUMBER:
4500895075

SHIP TO: **ACCT: 4308850**
MOJAVE SOLAR LLC
42134 HARPER LAKE RD
HINKLEY CA 92347-9305

BILL TO: **ACCT: 4308849**
MOJAVE SOLAR LLC
1553 W TODD DR STE 204
TEMPE AZ 85283-4845

SHIPMENT TERMS:
(CPT) CARRIAGE PAID TO, HINKLEY, CA
TRUCK FREIGHT PREPAID

PAYMENT TERMS
50% CASH IN ADVANCE , BAL. N30 DAYS FROM D/I
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PLEASE REMIT TO

BANK NAME: CITIBANK N.A., NEW YORK, USA
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DESCRIPTION AND QUANTITY ORDERED	QUANTITY SHIPPED		CURRENCY IN USD UNIT PRICE AND AMOUNT	
THERMINOL®VP1 HEAT TRANSFER FLUID, BULK 5,000 GL ITEM - 10 GMN - P3433700				
DELIVERY NO. 38656717 PLANT SHIP DATE: Dec 31, 2018 TRAILER NO. TOMMYELLIS7712	5,064.575	GL	11.57 PER GL	58,597.13

ITEM - 20 GMN - P3433700

DELIVERY NO. 38656719	5,023.804	GL	11.57	58,125.41
PLANT SHIP DATE: Dec 31, 2018			PER GL	
TRAILER NO. KL323				

INVOICE TOTAL AMOUNT	**USD**	**116,722.54**
		= = = = = = = =

COUNTRY OF SHIPMENT IS USA

WE, BEING AUTHORIZED BY THE PRODUCER OF THE GOODS COVERED BY THIS INVOICE, CERTIFY IN ITS BEHALF THAT IN ITS PRODUCTION THEREOF IT HAS COMPLIED WITH ALL APPLICABLE REQUIREMENTS OF THE FAIR LABOR STANDARDS ACT OF 1938 AS AMENDED.

IF YOU HAVE ANY QUESTIONS ON AMOUNT DUE, PLEASE CALL YOUR CUSTOMER SERVICE REPRESENTATIVE AT 423-229-3315

2019 Mojave Solar LLC

Batch #	Date of Incident	Type of Incident	Spill Location	AIR ID	Description	Product	Quantity	Generated Waste	Incident Time	Soil Amt Removed	Contractor Responsible	Soil Removed To	End Point	Test #	Test date
1	1/2/2019	Minor	Alpha	IRLDHC-1083	Potable feedpumps MP409, vent valve leaking due to freezing temperatures the valve started to leak by. The spill was approximately 500 gallons of raw water by the raw water tank. The valve was pulled out and an cap was installed instead.	Raw Water	500 Gallons	N/A	8:43 PM	N/A	ASIO	N/A	N/A	N/A	N/A
2	1/3/2019	Minor	Alpha	IRLDHC-1084	Broken pipe cooling water regulator PCV 40193 Aux cooling water pipe broke spilling water to the ground, approximately 1000 gallons spilled.	Water	1000 Gallons	None	10:00 PM	N/A	ASIO	N/A	N/A	N/A	N/A
3	1/8/2019	Minor	Alpha	IRLDHC-1086	Using an air hose to blowout HTF side of the HTF trains the air hose ruptured causing HTF to spill, approximately 50 gallons spilled on the secondary containment. Area was cleaned up to a pile, better hoses were used to continue task	HTF	50 Gallons	Contained spill Frozen product transferred to a 55 Gal Barrel for disposal	5:00 AM	N/A	ASIO	N/A	Disposal Facility TSDF	N/A	N/A
4	2/11/2019	Minor	Beta	IRLDHC-1187	Beta MP200B Inboard seal cooler blew head gasket. Cooling water systems was removed from service for repairs when the cooling water system was placed in service I was in the HTF pump ent while I was preparing to vent the seal cooler cooling water side, the head gasket blew on the inboard seal cooler head gasket spraing HTF, approximately 10 gallons were lost. The pump warm up, vent and the discharge of the pump was isolated. No injuries, cleanup is ongoing.	HTF	10 Gallons	Clean up is ongoing. Only Rags and absorbent material will be disposed	2:30 PM	None	ASIO	None	Contaminated dirt disposed of into the 20CY bin for TSDF	N/A	N/A
5	2/28/2019	Minor	Beta	IRLDHC-1250	Hydraulic oil leaked onto the secondary containment by betalube oil area. Contaminated soil and absorbert materials removed for disposal	Hydraulic oil	less than one gallon	None	8:15 AM	None	ASIO	None	Contaminated dirt disposed of into the 20CY bin for TSDF	N/A	N/A
6	3/14/2019	Minor	Beta	IRLDHC-1266	Hydraulic oil spill on Beta 88F collector. About a 1/2 a gallon spilled on the ground. One barrel of contaminated soil was disposed onto the proper 20CY roll off container for transportation to the TSDF	Hydraulic oil	.5 gallon	1 55 gal barrel	8:00 AM	1 55 gal barrel	ASIO	1 55 Gal barrel	Contaminated dirt disposed of into the 20CY bin for TSDF	N/A	N/A
7	3/27/2019	Minor	Beta	IRLDHC-1289	Spill of about 1.5 gallons of hydraulic oil from the solar field accumulators. The hydraulic fluid accumulators that were from the solar field and put into containment filled with water and overflowed releasing a mix of hydraulic fluid and water into the soil. 3 55-gal barrels of contaminated soil were removed from the area.	Hydraulic oil	5 gallons	3 55-gal barrels of soil	8:30 AM	3 55-gal barrels	ASIO	3 55 gal barrels	Contaminated dirt disposed of into the 20CY bin for TSDF	N/A	N/A
8	3/27/2019	Minor	Alpha	IRLDHC-1290	Hose blew out and leaked when evacuating loop 201-202EFGH at Alpha plant in preparation for swivel joint replacement. Ongoing cleanup. The area is close to the foundaion and the soil cannot be removed easily. Need to check before to do the backfill. Maintenance managers and supervisors need to follow up on this issue.	HTF	10 gallons	8 55-gal barrels of contaminated soil	8:30 AM	8 55-gal barrels of contaminated soil	ASIO	8 55-gal barrels of soil	Beta LTU	415121-007 415121-008	5/22/2019
9	5/7/2019	Minor	Alpha	IRLDHC-1338	Oil Leak from the concentrate RO in Alpha plant. Three absorbent pads were used for the leak cleanup to prevent any safety issues. Materials disposed in the 20CY bin	Oil	less than one gallon	Soiled Pig mats	8:30 AM	None	ASIO	None	Contaminated soiled pig mats disposed of into the 20CY bin for TSDF	N/A	N/A
10	6/12/2019	Minor	Beta	IRLDHC-1372	Beta MP 200D outboard seal failed leaking 10 gallons fo HTF on to the containment, area was cleaned up. Absorbent materail was used to cxlean up the spill. Materal later disposed onto the 20 cy roll off at Beta waste staging area.	HTF	10 Gallons	Absorbent materials, pig mats	8:00 AM	None	ASIO	None	Contaminated Rags into the 20CY bin for TSDF	N/A	N/A
11	6/16/2019	Minor	Beta	IRLDHC-1378	Albatros was washing mirrors when a hydraulic hose ruptured and leaked approximately 5-7 Gallons of Hydraulic fluid as it drove down the collector 113 & 114 at Beta Plant	Hydraulic Fluid	5-7 Gallons	2 Barrels of Soil	7:45 PM	2 barrels of soil	ASIO	2 barrels	Contaminated Rags into the 20CY bin for TSDF	N/A	N/A
12	6/25/2019	Minor	Beta	IRLDHC-1392	We have a small amount of HTF aproximatly 8 OZ in 2 places in the solar field at Beta 67-C,77-C. The leak was coming from the graphite packing on the inlet valve at the loop. The soil was removed and brought to the LTU for remediation.	HTF	8 oz	20 gallons of Soil	8:33 AM	20 Gallons of Soil	ASIO	20 Gallons of Soil	Beta LTU	N/A	N/A
13	6/26/2019	Minor	Beta	IRLDHC-1394	On 6/24/19 Beta First Clarifier pumps (B-MP-435 A/B) tripped (reason unknown) and made the First Clarifier tank (B-MT-435) to overflow (about 2500 gal).	Water	2500 Gallons	none	2:16 PM	None	ASIO	None	N/A	N/A	N/A
14	6/27/2019	Minor	Beta	IRLDHC-1415	Beta Plant MP200A outboard seal leaked to the containement, 2 gallons of HTF is in the containment. Beta Plant MP200A outboard seal had a external leak. Absorbent material will be used. All will be disposed onto the 20 cy roll off at Beta plant for transportation to the TDFS	HTF	2 Gallons	Absorbent materials, pig mats	7:57 AM	None	ASIO	None	Contaminated Rags into the 20CY bin for TSDF	N/A	N/A
15	7/1/2019	Minor	Alpha	IRLDHC-1426	The S-80 boom lift was being operated in Alpha west at row 2D while repairing a swivel joint the boom lift began leaking Hydraulic oil from beneath, the lift was shut down, and a containment was placed underneath, a repair to a blown o-ring on the hydraulic distribution block was completed and then the soil was remediated into the contaminated wast bin.	Hydraulic	1 gallon	1/2 barrrel ofsoild and aoiled pig mats	11:33 AM	1/2 barrel	ASIO	1/2 barrel	Contaminated Rags into the 20CY bin for TSDF	N/A	N/A
16	7/3/2019	Minor	Alpha	IRLDHC-1453	Routine hotwork was being performed in the solar field on 6G in alpha West. Maintenance personnel were changing 2 rotary points on the same loop after evacuation after cutrting and welding in the first swivel they relocated the equipment to the other side for the next swivel to be replaced. The technician did not have a vent open during the transition and the loop gained a small amount of pressure. The welder began ti cut out the next swivel and approx 8 gallosns of HTF leaked from the new cut as the loop vented.	HTF	8 Gallons	12 barrels of contaminated soil	10:52 PM	12 barrels of contaminated soil	ASIO	12 barrels of contaminated soil	Beta LTU	418166-001	N/A
17	7/12/2019	Minor	Beta	IRLDHC-1457	Because of a glitch in Beta WT PLC, all the softening system stooped working including First clarifier pumps and that made the First Clarifier Tank (B-MT-435) to overflow.	Water	2 Gallons	None	6:04 AM	None	ASIO	None	N/A	N/A	N/A
18	7/18/2019	Minor	Alpha	IRLDHC-1458	Alpha Lime slurry tank (MT-418) Feed water float valve was leaking by and made the tank to overflow after the WT shutdown. A notification is issued to address the problem.	Lime Slurry	2 Gallons	None	9:14 AM	None	ASIO	None	Filter cakes roll off	N/A	N/A
19	7/30/2019	Minor	Beta	IRLDHC-1463	Due to problem in WT PLC four of six ruining UFs stopped working that made the Level in the UF tank to rise and when level reached to High Level it stopped softening but at the same time because of a problem in PLC First Clarifier pumps stopped too and that made the First Clarifier tank to overflow	Water	4000 Gallons	None	9:45 AM	None	ASIO	None	N/A	N/A	N/A
20	8/1/2019	Minor	Alpha	IRLDHC-1465	Alpha Plant Diesel spill At 0240 employee went to fill the water truck and found the fill handle slightly engaged open which caused diesel to siphon out of the spout, approximately 1to 2 gallons spilled, area was cleaned and ensured handle was in the closed	Diesel Fuel	1-2 Gallons	Absorbent pads	3:28 PM	None	ASIO	None	Contaminated Rags into the 20CY bin for TSDF	N/A	N/A
21	8/1/2019	Minor	Beta	IRLDHC-1466	Smal leak HTF on the dirt. Beta Plant HTF piping area, 3/4" drain dripped to the soil, a 1ft by 1ft area approximately 1/2" deep area was cleaned, drain pipe was capped.	HTF	less than 1 Gallon	20 Gallons of dirt	3:14 PM	20 Gallons of Soil	ASIO	None	Contaminated Rags into the 20CY bin for TSDF	N/A	N/A
22	8/7/2019	Minor	Beta	IRLDHC-1470	Beta Sodium Bisulfite Pipe to Primary RO started leaking at the dosing skid and released about two gallons of SBS on secondary containment and concrete platform.	Sodium Bisulfite	2 Gallons	Absorbent Pig mats	8:01 AM	None	ASIO	None	Contaminated Rags into the 20CY bin for TSDF	N/A	N/A
23	8/22/2019	Minor	Alpha	IRLDHC-1474	Alpha Sodium Hypochlorite tank had a leak on manhole hatch and release about 300 gal in secondary containment. Chemical was transferred to another tank Some absorbent material will be used to avoid leaks outside the containemnt area. The chemical will still be used on the cooling tower. No subtask will be opened.	Sodium Hypochlorite	300 Gallons	Chemical was transferred to another tank	4:24 PM	None	ASIO	None	Chemical was transferred to another tank and used back in the system	N/A	N/A
24	8/23/2019	Minor	Beta	IRLDHC-1475	Beta first clarifier tanks (B-MT-435) over flowed due to unavailable pumps(About 3500 gallons) Pump B-MP-435 A/B tripped and operator couldn't reset the pumps.	Water	3500 Gallons	None	7:20 AM	None	ASIO	None	N/A	N/A	N/A
25	9/11/2019	Minor	Beta	IRLDHC-1481	During stowing of the solar field, SFO, Hector Padilla, smelled HTF. While investigating the smell, he found the hose on the return side of the single swivel of collector 8-68-G had started leaking. The collector was taken down to stow, isolated at the inlet valve and the HTF was contained with secondary containment totes.	HTF	2 Gallons	2 1/2 55 gal barrels of contaminated dirt	8:30 PM	2 1/2 55 gal barrels of contaminated dirt	ASIO	Beta LTU	Beta LTU	N/A	N/A
26	10/9/2019	Minor	Alpha	IRLDHC-1487	While WT operator was cleaning Ferric chloride cabinet, one liter of ferric chloride spilled on concrete. Absorbent pads were used and disposed properly.	Ferric Chloride	1 Liter	Absorbent Pads	7:30 AM	None	ASIO	None	Contaminated Rags into the 20CY bin for TSDF	N/A	N/A
27	10/8/2019	Minor	Beta	IRLDHC-1489	Beta Filter Press. Filter Press opened by itself while waste bin was being switched. Letting it dry before picking up/cleaning up	filter cake		Filter cake	7:30 AM	None	ASIO	None	Desert Environmenta Bin for Disposal	N/A	N/A
28	10/17/2019	Minor	Alpha	IRLDHC-1490	Alpha 117G Rotoflex Spill. During Solar Field patrol, leak found at north end of collector A-117G at rotoflex. Rotoflex failure, possible weld failure due to sticking rotoflex. Immediate actions: Placed entire loop out of service. Placed containment tray under leak.	HTF	4 Gallons	Dirt with HTF	7:12 AM	13 Barrels	ASIO	Beta LTU	For disposal onto the Beta's bin roll off to TSDF	421196-001	Sample shipped for testing 11/07/2019 Test received, high 1,1-oxybisbenzene contents will be disposed
29	11/23/2019	Minor	Beta		While getting parts from Beta laydown yard, mechanics smelled HTF. Called solar field operators and went into the field to investigate. Found 101J rotoflex leaking. Approx 3 gallons of HTF on the ground. Put loop into stow, isolated loop, placed containment under leak.	HTF	3 Gallons	Dirt with HTF	1:00 PM	3 Barrels	ASIO	Beta LTU	For disposal onto the Beta's bin roll off to TSDF	N/A	N/A
30	12/17/2019	Minor	Alpha		HTF Vapors. Vaccuum breaker started leaking vapors. System set point 13.24 psia Probable cause: Vacuum breaker failed	HTF Vapors	1 Quart	none	9:00 AM	none	ASIO	N/A	N/A	N/A	N/A

Notifictn type	Notification	Description	Notif.date	Malfunct. start	Priority	Order	Created by	Functional Loc.	Equipment	Description	System status	User status	Reported by	Required End	Main WorkCtr	Effect
U0	10815026	HTF HTR MF-254 Leak	11/10/2019	11/12/2019	3	5615334	DC6	ASO1-HTF-HEA-HEAT			NOPR ORAS	NOAM	MARTIN		ASOMECHL	
U0	10797040	HTF Heater M/B HTF Leak In Pipe Rack	06/28/2019	06/28/2019	3	5597932	DC6	ASO1-HTF-HEA-VALV			NOCO ORAS	WOAP CLSD	COMBS		ASOMECHL	
U0	10788464	HV-2-315-55B small HTF leak	04/10/2019	04/11/2019	4	5590126	SLMJFM	ASO1-PB2-SGS-CVAL			NOCO ORAS	WOAP CLSD	SLMJFM		ASOMECHL	
U0	10804210	B- HTF Heater leaking at Electrical Box	08/29/2019	08/30/2019	3	5604835	RJ2	MSPB-HTF-HTR	10196681	HTF Electric Heater	NOCO ORAS	WOAP CLSD	RJ2		MSPELECT	
U0	10772727	TES 3, TV-251-38 HTF Valve Reg Leaks Air	01/12/2019	10/16/2018	3	5575249	SLRF	ASO1-HTF-TES-CVAL	10143790	MX-251 big bypass control valve	NOCO ORAS	WOAP CLSD	SLRF	11/02/2018	ASOI&C	
U0	10774426	PV-101-05 North HTF Header PRV leak	04/08/2019	11/05/2018	3	5576872	SLANGC	ASO1-HTF-NTH-PRVS	10143870	Main SF pipe to Expansion PRV	NOCO ORAS	WOAP CLSD	EUGEE	11/22/2018	ASOSCAFF	
U0	10783487	HTF leaking through insulation	01/28/2019	01/28/2019	2	5585360	SLKEL	MSPA-HTF-HTX	10189115	Evaporator MB-305BA	NOCO ORAS	WOAP CLSD	00117090	01/29/2019	MSPMECHL	
U0	10782418	1B PH PSV HTF drain leak	01/12/2019	01/14/2019	3	5584435	SLGN	ASO1-PB1-SGS-XCHR	10146142	Preheater Unit 1 Train B	NOCO ORAS	WOAP CLSD	GIL	01/31/2019	ASOMECHL	
U0	10783410	MX-1-302A HTF PSV leaking	10/19/2019	01/29/2019	3	5585413	SLASCH	ASO1-PB1-SGS-PRVS	10146133	PSV HTF Outlet MX-302A	NOCO ORAS	WOAP CLSD	SLASCH	02/14/2019	ASOMECHL	
U0	10784203	B-HTF-PMP 200D inbd seal leaking extl	02/14/2019	02/14/2019	3	5586062	CB1	MSPB-HTF-PMP	10196503	HTF MAIN CIRCULATION D	NOCO ORAS	WOAP CLSD	CB1	03/05/2019	MSPMECHL	
U0	10784637	South expansion header vent HTF leak	02/25/2019	02/25/2019	3	5586451	SLRW	ASO1-HTF-FFL-PIPE			NOCO ORAS	WOAP CLSD	WEST	03/20/2019	ASOSCAFF	
U0	10785512	1-MX-371A HTF HPV m/b packing leak	03/05/2019	03/18/2019	3	5587928	SLANGC	ASO1-PB1-RHT-XCHR	10146235	Reheater	NOCO ORAS	WOAP CLSD	ANASTASIO	03/25/2019	ASOMECHL	
U0	10786232	Flange leak HTF pump D	03/18/2019	03/19/2019	3	5587948	SLKEL	MSPB-HTF-PMP	10196503	HTF MAIN CIRCULATION D	NOCO ORAS	WOAP CLSD	00117090	04/06/2019	MSPMECHL	
U0	10788997	FV-200-05H HTF liquid/vapor leak	04/21/2019	04/22/2019	3	5590531	SLASCH	ASO1-HTF-NFL-CVAL	10143158	Minimun flow line globe valve H	NOCO ORAS	WOAP CLSD	ADAM	05/10/2019	ASOMECHL	
U0	10789195	Alpha MX-205 Cooler leaking HTF	04/24/2019	04/24/2019	3	5590777	KB3	MSPA-ULL-HTX	10189637	HTF Tank Cooler	NOCO ORAS	WOAP CLSD	PT3	05/13/2019	MSPMECHL	
U0	10789212	MX-205 HTF leak	04/25/2019		3		ASBRM	MSPA-ULL-HTX	10189637	HTF Tank Cooler	NOCO	NOAO RJMA CLSD	ASBRM	05/14/2019	MSPMECHL	
U0	10797691	HTF leaking into cooling water	07/11/2019	07/11/2019	2	5598500	SLKEL	MSPA-HTF-PMP	10188655	HTF MAIN CIRCULATION C	NOCO ORAS	WOAP CLSD	00117090	07/12/2019	MSPMECHL	
U0	10803477	TES 3 Main HEX has HTF Leak	08/19/2019	08/20/2019	3	5604096	SLRW	ASO1-HTF-TES-XCHR	10143823	TES main heat echanger	NOPR ORAS	NOAM	WEST	09/07/2019	ASOMECHL	
U0	10803739	MP-200B HTF leak on recirc	08/24/2019	08/26/2019	3	5604573	AYECA_EXT	ASO1-HTF-FFL-PUMP	10142744	Far Field HTF Pump MP-200B	NOCO ORAS	WOAP CLSD	STEVE	09/12/2019	ASOMECHL	
U0	10804806	MP-200A O/B Vapor/HTF leak	09/04/2019	09/26/2019	3	5607144	SLRW	ASO1-HTF-FFL-PUMP	10142743	Far Field HTF Pump MP-200A	NOCO ORAS	WOAP CLSD	WEST	09/23/2019	ASOMECHL	
U0	10805289	MP-200E I/B seal HTF leak	09/11/2019	09/12/2019	3	5605805	SLRW	ASO1-HTF-FFL-PUMP	10143975	HTF Pump MP-200E Seal	NOCO ORAS	WOAP CLSD	WEST	09/30/2019	ASOMECHL	
U0	10805418	PSV-2-103A U2 RH HTF PSV Leaks	09/12/2019	09/12/2019	3	5605823	SLRW	ASO1-PB2-RHT-PRVS	10147821	HTF outlet Reheater PSV	NOPR ORAS	NOAM	WEST	10/01/2019	ASOMECHL	
U0	10805419	PSV-2-103B U2 RH HTF PSV Leaks	09/12/2019	09/12/2019	3	5605824	SLRW	ASO1-PB2-RHT-PRVS	10147822	HTF outlet Reheater PSV	NOPR ORAS	NOAM	WEST	10/01/2019	ASOMECHL	
U0	10812480	B-200D HTF leak on STR vent 1in	10/09/2019	10/09/2019	3	5612821	KB3	MSPB-HTF-FLT	10196540	MP-200D Inlet Filter	NOCO ORAS	WOAP CLSD	AYLP	10/28/2019	MSPMECHL	
U0	10813270	B-200D suction STR vent line leaking HTF	10/20/2019	10/20/2019	3	5613616	KB3	MSPB-HTF-PMP	10196503	HTF MAIN CIRCULATION D	NOCO ORAS	WOAP CLSD	SLCSOW	11/08/2019	MSPMECHL	
U0	10813626	MP-201A has an HTF leak	10/25/2019	10/28/2019	4	5614124	AYECA_EXT	ASO1-HTF-NTH-PUMP	10142763	HTF Recycle pump	NOPR ORAS	NOAM	CALLEJA	11/13/2019	ASOMECHL	
U0	10814741	BMP-200B suction STR cap GSK leaking HTF	11/02/2019	11/02/2019	3	5615095	KB3	MSPB-HTF-FLT	10196538	MP-200B Inlet Filter	NOCO ORAS	WOAP CLSD	SLCSOW	11/21/2019	MSPMECHL	
U0	10814769	B-MP-200A Outboard HTF seal leak	11/04/2019	11/04/2019	3	5615062	KB3	MSPB-HTF-PMP	10196401	HTF MAIN CIRCULATION A	NOPR ORAS	NOAM	SLCSOW	02/22/2020	MSPMECHL	

Mojave Solar LLC
42134 Harper Lake Road Phone: 760 308 0400
Hinkley, California 92347

Appendix D

Air Quality 24

2019 Cooling Tower operating emission rate

Mojave Solar Project
Annual Compliance Report
San Bernardino County, California

2019 Reporting Period

Atlantica
Sustainable Infrastructure
Mojave Solar LLC

start time 12/1/2019 end time 12/31/2019

Cooling Tower Fan Runtime Records

Date			12/1/2019	12/2/2019	12/3/2019	12/4/2019	12/5/2019	12/6/2019	12/7/2019	12/8/2019	12/9/2019	12/10/2019	12/11/2019	12/12/2019	12/13/2019	12/14/2019	12/15/2019	12/16/2019	12/17/2019	12/18/2019	12/19/2019	12/20/2019	12/21/2019	12/22/2019	12/23/2019	12/24/2019	12/25/2019	12/26/2019	12/27/2019	12/28/2019	12/29/2019	12/30/2019	12/31/2019
Description		Units	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual	Actual
Alpha	Total Runtime	Hours	3.41666675	0	3.58333325	0	0	0.96111113	0	0	0	7.16666651	2.81111121	6.74166679	0	7.49166679	5.69999981	7.51666689	7	1.58333337	0	4.99166679	5.04166651	0	0	0	2.60833335	6.3166666	0	6.75833321	0	0	0
Beta	Total Runtime	Hours	3.29999995	0	3.5333333	0	0	1.14999998	0	0	0	7.2166667	2.9000001	6.9000001	0	7.4000001	7.61666679	7.8166666	7.13333321	2.38333344	0	6.05000019	4.73333311	0	0	0	2.45000005	6.44999981	0	6.25	6.63333321	2.5666666	0.91666669

Alpha- Dec Run Time	Alpha-12 Month Rolling
79.69	2574.68

Beta- December Run Time	Beta-12 Month Rolling
93.40	2788.77

Equipment shall not be operated for more than 5,840 hours per rolling 12 month period.

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Alpha Cooling Tower Chemical Control Log Records

Date	Location	GE Trailer										444 Tank	Analyst	Comments/Notes
	Description	Screen		Actual										
		Time	Temp.	Specific Cond.	pH	ORP (Redox)	TDS	Phosphate (PO4)	Silica	Iron, Total	Chlorine (Free)	Specific Cond.		
	Limit		-	<3,500	8.0-8.7	500-700	<2,500	10.0-12.0			0.5-1.0			
	Units	HH:SS	ºF	µS/cm	-	mV	ppm	ppm	ppm	ppm	ppm	µS/cm		
1-Jan-19		13:30		2,358	8.68	463	1,778				0.5		C. Robles	
2-Jan-19		13:45		2,376	8.63	525	1,806	7.40			1.0		C. Robles	
3-Jan-19		13:40		2,378	8.68	595	1,817				2.8		C. Robles	
4-Jan-19														
5-Jan-19														
6-Jan-19														
7-Jan-19														
8-Jan-19		13:15	66.8	2,141	8.29	535	1,614	8.10			1.0		C. Robles	
9-Jan-19		11:30	67.4	2,139	8.37	513	1,607	11.20	16.00		0.6		Mahnaz	
10-Jan-19		11:00	65.2	2,135	8.35	257	1,612			1.98	0.4		Mahnaz	
11-Jan-19														
12-Jan-19														
13-Jan-19		13:15	69.6	2,112	8.25	485	1,591	8.60			0.5	263	C. Robles	
14-Jan-19														
15-Jan-19														
16-Jan-19		13:15	69.3	2,140	8.31	470	1,612	9.40			0.5	260	C. Robles	
17-Jan-19														
18-Jan-19		13:30	71.7	2,373	8.42	518	1,652	9.80			1.0		Mahnaz	
19-Jan-19		11:00	72.2	2,163	8.29	532	1,701		18.00	2.80	0.8		Mahnaz	
20-Jan-19		13:30	69.7	2,290	8.30	346	1,593	12.00			0.5		Mahnaz	
21-Jan-19														
22-Jan-19		14:00	67.5	2,161	8.10	505	1,631				0.9		C. Robles	
23-Jan-19		13:15	68.3	2,106	8.21	475	1,567	9.70	18.05	+++	0.8	263	C. Robles	
24-Jan-19		13:20	70.4	2,132	8.22	466	1,579				0.5	250	C. Robles	
25-Jan-19														
26-Jan-19														
27-Jan-19														
28-Jan-19														
29-Jan-19														
30-Jan-19		15:25	69.2	1,744	7.92	424	1,289				0.5		C. Robles	
31-Jan-19														
1-Feb-19														
2-Feb-19														
3-Feb-19		15;20	72.5	1,661	8.00	281	1,273				0.4	172	Mahnaz	
4-Feb-19														
5-Feb-19														
6-Feb-19		12:07	63.9	1,751	7.75	440	1,303				0.5	171	C. Robles	
7-Feb-19		13:00	67.1	1,824	8.01	496	1,360				0.7	162	C. Robles	
8-Feb-19		13:00	60.4	1,730	8.01	513	1,282	8.90	13.95	1.82	0.9	160	C. Robles	+++
9-Feb-19		13:30	63.7	1,790	7.83	482	1,327				0.7	157	C. Robles	

10-Feb-19		11:00	64.0	1,793	7.90	470	1,356				0.6	154	Mahnaz	
11-Feb-19		11:00	63.1	1,824	7.90	481	1,361	12.10	15.05		0.8	163	Mahnaz	
12-Feb-19		14:00	71.4	1,835	7.90	465	1,372				0.7	165	Mahnaz	
13-Feb-19														
14-Feb-19														
15-Feb-19														
16-Feb-19														
17-Feb-19		12:00	66.7	1754	7.78	448	1302				0.5		C. Robles	
18-Feb-19		11:00	70.0	1,750	8.20	610	1,281	12.20	14.15		1.2	180	Mahnaz	
19-Feb-19		11:00	71.0	1,764	8.20	580	1,295			1.70	1.0	185	Mahnaz	
20-Feb-19														
21-Feb-19														
22-Feb-19		14:00	65.9	1,816	8.04	522	1,352				1.0	160	C. Robles	
23-Feb-19		13:30	65.2	1,773	7.96	529	1,317	10.30			0.9	156	C. Robles	
24-Feb-19		13:30	66.2	1,813	8.20	520	1,345	10.40	17.20	2.04	0.9	150	C. Robles	+++
25-Feb-19		13:30	69.6	1,840	8.37	509	1,363				0.8	142	C. Robles	
26-Feb-19		11:00	70.1	1,825	8.10	513	1,342				0.7	143	Mahnaz	
27-Feb-19		11:50	71.7	1,771	8.40	572	1,372	13.40			1.0	145	Mahnaz	
28-Feb-19		13:00	73.1	1,938	8.01	528	1,439		16.50	1.81	0.9	151	Mahnaz	
1-Mar-19		13:30	69.5	1,967	8.35	515	1,469				0.8	135	C. Robles	
2-Mar-19		13:30	72.5	1,959	8.28	487	1,464	10.70			0.8	140	C. Robles	
3-Mar-19		13:30	75.0	1,849	8.35	478	1,367		18.35	1.79	0.7	142	C. Robles	+++
4-Mar-19														
5-Mar-19														
6-Mar-19														
7-Mar-19														
8-Mar-19														
9-Mar-19		11:00	69.7	1,848	7.98	396	1,377	10.40		2.10	0.5	144	Mahnaz	
10-Mar-19														
11-Mar-19														
12-Mar-19		12:00	65.3	1,654	8.30	536	1,224	9.80	17.35	1.80	0.9	149	C. Robles	+++
13-Mar-19		12:30	61.8	1,706	8.12	474	1,268				0.7	142	C. Robles	
14-Mar-19		13:30	67.0	1,763	7.90	571	1,309	12.30	15.40		0.8	143	Mahnaz	
15-Mar-19		13:30	68.6	1,545	7.85	556	1,203				0.7	145	Mahnaz	
16-Mar-19		11:00	69.3	1,705	7.97	568	1,255	12.20		1.69	0.8	129	Mahnaz	
17-Mar-19														
18-Mar-19		12:00	71.0	1,813	8.14	498	1,345	11.30			0.7	177	C. Robles	
19-Mar-19		13:15	71.6	1,761	8.32	495	1,299		18.70	1.58	0.7	141	C. Robles	+++
20-Mar-19														
21-Mar-19		12:30	67.8	1,638	8.16	556	1,218	10.70			1.0	140	C. Robles	
22-Mar-19									11.45					
23-Mar-19		11:00	70.5	1,730	8.03	509	1,280	11.30			0.5	137	Mahnaz	
24-Mar-19		11:00	71.4	1,815	8.00	486	1,293				0.5	135	Mahnaz	
25-Mar-19		11:00	73.3	1,660	7.90	445	1,221	11.80			0.4	125	Mahnaz	
26-Mar-19														
27-Mar-19		13:30	71.3	1,641	8.23	512	1,209				0.7	127	C. Robles	
28-Mar-19		13:30	70.0	1,668	8.39	502	1,233	11.40			0.6	129	C. Robles	
29-Mar-19		11:30	73.5	1,686	7.95	505	1,238	13.10			0.5	130	Mahnaz	
30-Mar-19		11:30	73.4	1,725	7.90	497	1,270				0.5	132	Mahnaz	
31-Mar-19		10:30	70.7	1,750	7.98	531	1,300	13.20			0.6	137	Mahnaz	
1-Apr-19														
2-Apr-19		12:00	75.6	1,620	7.90	542	1,179	12.60			0.6	140	Mahnaz	
3-Apr-19		13:00	67.6	1,633	8.18	542	1,214	10.90			0.9	141	C. Robles	

4-Apr-19		13:30	74.0	1,597	8.13	512	1,174				0.8	139	C. Robles	
5-Apr-19		12:15	70.3	1,620	8.19	556	1,195	10.90	18.50	1.19	0.9	135	C. Robles	
6-Apr-19		11:30	71.0	1,583	8.08	517	1,170				0.8	132	C. Robles	
7-Apr-19		14:00	73.6	1,672	7.90	460	1,228	13.10			0.5	130	Mahnaz	
8-Apr-19		12:00	71.5	1,674	7.95	440	1,229				0.7	135	Mahnaz	
9-Apr-19														
10-Apr-19		10:30	67.9	1,701	7.90	524	1,259	12.30		1.34	0.8	136	Mahnaz	
11-Apr-19		10:00	66.2	1,722	8.10	508	1,276				0.8		C. Robles	
12-Apr-19		13:00	70.2	1,655	8.23	510	1,200	10.50			0.6	134	C. Robles	
13-Apr-19		13:00	72.3	1,692	8.28	502	1,229				0.5	131	C. Robles	
14-Apr-19		12:00	72.3	1,710	8.16	478	1,233	10.50			0.5	131	C. Robles	
15-Apr-19		11:00	71.1	1,780	8.00	436	1,316	11.00	20.95		0.4	133	Mahnaz	
16-Apr-19														
17-Apr-19		10:30	65.3	1,752	8.20	416	1,302				0.5	132	Mahnaz	
18-Apr-19		10:30	68.8	1,820	7.90	398	1,351	11.40		1.20	0.5	131	Mahnaz	
19-Apr-19		12:30	75.4	1,858	8.32	281	1,386				0.0	181	C. Robles	
20-Apr-19		12:30	73.7	1,828	8.32	453	1,338	9.10			0.5	184	C. Robles	
21-Apr-19		12:30	70.8	1,804	8.30	463	1,319				0.5	163	C. Robles	
22-Apr-19		12:30	74.1	1,912	8.28	521	1,401	9.90	20.10	0.96	1.0	154	C. Robles	
23-Apr-19		10:00	75.6	1,956	8.00	566	1,452	10.00			1.5	160	Mahnaz	
24-Apr-19		12:00	75.8	1,920	8.05	489	1,438				1.0	152	Mahnaz	
25-Apr-19		10:00	74.6	1,932	8.10	494	1,437	10.20	20.00	1.00	0.6	147	Mahnaz	
26-Apr-19		12:30	76.3	2,001	8.37	462	1,465				0.5	139	C. Robles	
27-Apr-19		12:30	74.6	1,982	8.36	461	1,452	9.00			0.5	137	C. Robles	
28-Apr-19		11:30	73.6	1,993	8.32	464	1,471				0.5	133	C. Robles	
29-Apr-19		12:00	70.6	1,990	8.33	471	1,474	9.40	21.70	0.93	0.6	130	C. Robles	
30-Apr-19		11:30	71.9	1,901	8.35	482	1,411				1.0	125	C. Robles	
1-May-19		10:30	71.3	2,007	8.11	597	1,499	11.10	21.10		1.7	140	Mahnaz	
2-May-19		13:30	71.5	2,105	8.15	556	1,510			0.80	1.0	144	Mahnaz	
3-May-19		10:30	71.0	2,174	8.10	565	1,637	11.70			1.0	156	Mahnaz	
4-May-19		10:30	74.8	2,186	7.95	504	1,640				1.0	175	Mahnaz	
5-May-19		12:00	75.0	2,277	8.40	458	1,698				0.5	169	C. Robles	
6-May-19		12:00	71.9	2,306	8.45	484	1,729	11.50		0.97	0.5	204	C. Robles	
7-May-19		12:00	74.8	2,313	8.33	474	1,736		23.90		0.5	214	C. Robles	
8-May-19		13:00	76.7	2,461	8.45	451	1,845	11.30			0.5	569	C. Robles	
9-May-19		11:00	74.2	2,784	8.25	520	2,055	11.50	21.50	0.85	0.8	735	Mahnaz	
10-May-19														
11-May-19		14:20	73.3	2,764	8.20	513	2,041				0.9	528	Mahnaz	
12-May-19		10:30	71.0	3,154	8.24	548	2,425	13.30			1.0	460	Mahnaz	
13-May-19		12:00	74.3	3,587	8.49	513	2,761	13.00			1.0	334	C. Robles	
14-May-19		12:30	74.0	3,833	8.45	482	2,974				0.6	254	C. Robles	
15-May-19														
16-May-19		13:00	71.0	3,360	8.36	530	2,589	10.90	28.35	0.95	1.8		C. Robles	
17-May-19		13:30	71.0	3,380	8.20	588	2,630				1.0	192	Mahnaz	
18-May-19		11:00	73.6	3,361	8.25	571	2,549	11.30			0.9	179	Mahnaz	
19-May-19		11:40	70.4	3,300	8.25	573	2,560		33.65	0.87	1.0	170	Mahnaz	
20-May-19		10:15	68.9	3,290	8.20	604	2,545	10.90			1.2	167	Mahnaz	
21-May-19														
22-May-19														
23-May-19														
24-May-19		10:00	75.3	3,184	8.33	340	2,447	10.50			0.3	156	Mahnaz	
25-May-19		10:00	74.0	3,052	8.40	422	2,342				0.5	152	Mahnaz	
26-May-19														

27-May-19		10:00	69.6	2,920	8.30	415	2,242	9.50			0.5	155	Mahnaz	
28-May-19		11:00	67.0	2,887	8.21	547	2,210	11.90			0.5	122	Mahnaz	
29-May-19		10:30	69.2	2,931	8.30	502	2,231	8.20	25.95	0.74	0.8	124	C. Robles	
30-May-19		10:00	70.3	2,994	8.08	511	2,284	8.90			1.0	130	C. Robles	
31-May-19		11:00	72.6	2,936	8.23	513	2,231	8.80			0.9	130	C. Robles	
1-Jun-19		11:00	73.6	2,805	8.25	512	2,141	8.30			0.9	125	C. Robles	
2-Jun-19		10:00	76.8	2,864	8.25	480	2,180	9.90			1.0	124	Mahnaz	
3-Jun-19		10:45	77.5	2,860	8.25	490	2,160	10.00			0.9	126	Mahnaz	
4-Jun-19		10:30	76.5	2,610	8.25	482	2,113	9.90			0.9	128	Mahnaz	
5-Jun-19		10:30	79.6	2,790	8.30	450	2,133	9.80	25.75		0.5	124	Mahnaz	
6-Jun-19		11:30	78.7	2,821	8.36	469	2,139	9.70			0.6	125	C. Robles	
7-Jun-19		11:30	74.9	2,704	8.36	496	2,049	9.60	26.50	0.92	0.7	135	C. Robles	
8-Jun-19		11:30	73.0	2,692	8.33	465	2,034	9.70			0.5	152	C. Robles	
9-Jun-19		11:00	74.5	2,741	8.42	502	2,078	10.70			1.0	160	C. Robles	
10-Jun-19		10:00	70.2	2,750	8.20	535	2,117	11.30			0.8	159	Mahnaz	
11-Jun-19		10:00	73.5	2,837	8.35	530	2,160	11.30			0.9	170	Mahnaz	
12-Jun-19		10:00	76.8	2,857	8.30	529	2,171	12.00	25.80	0.80	0.6	168	Mahnaz	
13-Jun-19		10:00	73.0	2,876	8.34	410	2,191	11.40			0.5	169	Mahnaz	
14-Jun-19		11:00	77.2	2,934	8.48	489	2,209	12.40			0.6	148	C. Robles	
15-Jun-19		11:00	74.4	2,808	8.49	473	2,129	11.80			0.5	136	C. Robles	
16-Jun-19		11:30	76.6	2,678	8.49	478	2,023	11.20			0.5	129	C. Robles	
17-Jun-19		11:30	74.7	2,558	8.50	487	1,921	11.00	27.05	0.82	0.6	129	C. Robles	
18-Jun-19		10:00	75.9	2,480	8.17	450	1,890	11.70			0.5	126	Mahnaz	
19-Jun-19		10:00	78.4	2,552	8.26	423	1,930	11.70	23.00	0.74	0.6	135	Mahnaz	
20-Jun-19		10:00	78.4	2,680	8.30	476	2,050	12.90			0.5	133	Mahnaz	
21-Jun-19		11:30	75.6	2,591	8.54	484	1,953	11.50			0.6	156	C. Robles	
22-Jun-19		11:00	72.5	2,533	8.53	492	1,907	11.80			0.7	161	C. Robles	
23-Jun-19		11:00	75.3	2,621	8.50	513	1,980	11.50			1.0	156	C. Robles	
24-Jun-19		11:00	76.0	2,674	8.43	487	2,025	12.30	33.75	0.89	0.7	154	C. Robles	
25-Jun-19		11:00	76.8	2,644	8.41	510	2,002	12.10			0.8	155	C. Robles	
26-Jun-19		11:00	78.9	2,680	8.30	446	2,744	14.60			0.6	152	Mahnaz	
27-Jun-19		10:00	75.1	2,540	8.30	420	1,930	14.60			0.6	153	Mahnaz	
28-Jun-19		9:30	72.8	2,559	8.35	516	1,947	11.50			0.8	140	Mahnaz	
29-Jun-18		10:00	73.2	2,522	8.20	506	1,920	11.10			0.6	124	Mahnaz	
30-Jun-19		11:30	74.8	2,414	8.39	484	1,813	10.60			0.7	123	C. Robles	
1-Jul-19		11:30	76.1	2,519	8.44	484	1,898				0.5	131	C. Robles	
2-Jul-19		11:00	75.2	2,561	8.45	486	1,938	11.60	29.65	0.75	0.6	128	C. Robles	
3-Jul-19		11:30	75.6	2,471	8.60	442	1,859				0.5	132	C. Robles	
4-Jul-19		11:00	75.5	2,445	8.45	436	1,896	11.10			0.5	130	Mahnaz	
5-Jul-19														
6-Jul-19														
7-Jul-19														
8-Jul-19		10:15	74.4	2,627	8.40	435	2,002				0.5		Mahnaz	
9-Jul-19		10:45	72.8	2,602	8.53	447	1,972	11.10	31.75	0.67	0.5	169	C. Robles	
10-Jul-19		11:45	75.4	2,669	8.51	445	2,028				0.5	171	C. Robles	
11-Jul-19		10:45	75.1	2,641	8.48	435	1,999	10.80			0.5	172	C. Robles	
12-Jul-19		11:30	77.9	2,665	8.51	420	2,015				0.5	175	C. Robles	
13-Jul-19				2,562	8.81								Anthony	
14-Jul-19				2,616	8.19								Anthony	
15-Jul-19														
16-Jul-19		13:30	79.5	2,993	8.60	422	2,255				0.5	159	C. Robles	
17-Jul-19		11:30	79.1	2,884	8.50	470	2,179	12.20			0.5	150	C. Robles	
18-Jul-19		12:00	76.8	2,983	8.59	445	2,255				0.6	146	C. Robles	

19-Jul-19		10:45	72.5	2,927	8.53	490	2,217	11.50	32.55	0.57	0.7	146	C. Robles	
20-Jul-19		O/S												
21-Jul-19		O/S												
22-Jul-19		O/S									0.6		Mahnaz	
23-Jul-19		O/S									0.5		Mahnaz	
24-Jul-19		O/S												
25-Jul-19		O/S												
26-Jul-19		O/S												
27-Jul-19		O/S												
28-Jul-19		O/S												
29-Jul-19		O/S												
30-Jul-19		O/S									0.5		Mahnaz	
31-Jul-19		O/S									0.5		Mahnaz	
1-Aug-19		O/S									0.6		Mahnaz	
2-Aug-19		O/S												
3-Aug-19		O/S												
4-Aug-19		O/S												
5-Aug-19		O/S									0.5		Mahnaz	
6-Aug-19		O/S									0.6		Mahnaz	Legionella Sample sent out
7-Aug-19		O/S												
8-Aug-19		O/S									0.5		Mahnaz	
9-Aug-19		O/S												
10-Aug-19		10:00	74.4	2,738	8.34		2,128						Rico T	
11-Aug-19		10:00	72.8	2,695	8.36		2,095						Rico T	
12-Aug-19											0.6		Mahnaz	
13-Aug-19		10:30	75.1	2,772	8.32	454	2,154				0.6		Mahnaz	
14-Aug-19											0.5		Mahnaz	
15-Aug-19		O/S												
16-Aug-19		O/S												
17-Aug-19		10:30	78.1	2,944	8.21		2,285						Rico T	
18-Aug-19		10:00	78.0	2,730	8.02		2,122						Rico T	
19-Aug-19		10:15		2,854	8.10		2,153				0.5		Mahnaz	
20-Aug-19		10:15		2,910	8.10		2,157				0.5		Mahnaz	Legionella results: 16 cfu/ml
21-Aug-19		10:30		2,954	8.15		2,164				0.6		Mahnaz	Chlorine dosage increased
22-Aug-19		10:30		2,981	8.15		2,175				0.7		Mahnaz	
23-Aug-19		10:30	79.5	2,996	7.64		2,325						Phil T	
24-Aug-19		10:30	79.1	3,108	7.80		2,411						Phil T	
25-Aug-19		10:30	76.8	3,242	7.78		2,513						Mike H	
26-Aug-19		10:00	72.5	2,977	8.11		2,311				0.8		Mahnaz	Chlorine dosage incresed
27-Aug-19		O/S									2.8		Mahnaz	Chlorine shock- lowered the dosage
28-Aug-19		O/S									2.5		Mahnaz	
29-Aug-19		O/S									2.1		Mahnaz	
30-Aug-19		O/S												
31-Aug-19		O/S												
1-Sep-19		O/S												
2-Sep-19		O/S									1.4		Mahnaz	
3-Sep-19		O/S									1.2		Mahnaz	Second Legionella Sample
4-Sep-19		O/S									1.1		Mahnaz	
5-Sep-19		O/S									1.1		Mahnaz	
6-Sep-19		O/S												
7-Sep-19		O/S												
8-Sep-19		O/S												
9-Sep-19		O/S									1.0		Mahnaz	

10-Sep-19		O/S									1.0		Mahnaz	
11-Sep-19		O/S									0.9		Mahnaz	
12-Sep-19		O/S									1.0		Mahnaz	
13-Sep-19		10:30		2,928	7.95		2,273				0.9		Phil T	
14-Sep-19														
15-Sep-19														
16-Sep-19		10:30		3,080	7.96		2,389	12.50			1.0		Mahnaz	Second Legionella test results: 32 cfu/ml
17-Sep-19		10:30		2,664	8.57		2,071	10.60			1.1		Efram	
18-Sep-19		10:30		2,299	8.45		1,792				1.0		Mahnaz	
19-Sep-19		10:30		2,289	8.45		1,785				1.0		Mahnaz	
20-Sep-19														
21-Sep-19														
22-Sep-19		11:00		2,305	8.12		1,797				1.1		Phil	
23-Sep-19		10:30		2,353	7.82		1,833	9.90			1.0		Phil	
24-Sep-19		11:00		2,391	8.05		1,863	9.70			1.1		Phil/Billy	
25-Sep-19		10:00		2,430	8.00		1,892				1.0		Phil/Billy	
26-Sep-19											1.0			
27-Sep-19														
28-Sep-19														
29-Sep-19														
30-Sep-19		10:00		2,496	8.46		1,943				1.1		Billy	
1-Oct-19		10:30		2,550	8.28		1,984	12.30					Billy	
2-Oct-19		10:00		2,619	8.22		2,037				1.0		Billy	
3-Oct-19		10:30		2,585	8.27		2,011	12.30			1.2		Billy	
4-Oct-19														
5-Oct-19														
6-Oct-19														
7-Oct-19				2,570	8.30		1,956				1.5		Mahnaz	
8-Oct-19		10:30		2,467	8.26		1,921	12.90						
9-Oct-19		10:00	65.3	2,615	8.52	488	1,976	14.10			1.5		Alex M	
10-Oct-19														
11-Oct-19														
12-Oct-19														
13-Oct-19		10:30	69.3	2,416	8.21	148	1,933	12.50			0.2		Alex M	
14-Oct-19		10:00	71.2	2,248	7.83	472	1,778				1.0		Alex M	
15-Oct-19		10:30	68.2	2,292	7.98	403	1,821	12.90			0.4		Alex M	
16-Oct-19		10:30	73.3	2,326	7.86	300	1,843	10.80			0.4		Alex M	
17-Oct-19														
18-Oct-19		10:00	74.0	2,337	8.13	310	1,850				0.2		Alex M	
19-Oct-19														
20-Oct-19														
21-Oct-19		10:30	66.4	1,904	8.72	298	2,207				0.2		Alex M	
22-Oct-19														
23-Oct-19		11:00	69.7	2,857	7.96	170	2,296	15.60			0.3		Alex M	
24-Oct-19		11:00	73.4	3,038	8.74	268	2,308				0.3		Alex M	
25-Oct-19		10:30	71.8	2,976	8.07	387	2,397	13.70			0.5		Alex M	
26-Oct-19														
27-Oct-19														
28-Oct-19		10:05	68.4	3,237	8.77	535	2,490				2.5		Alex M.	
29-Oct-19		10:00	70.0	3,235	8.72	538	2,482	12.90			2.5		Alex M.	
30-Oct-19		10:10	65.7	3,148	8.70	486	2,430				1.6		Alex M.	
31-Oct-19		10:25	68.5	2,932	8.76	394	2,226	11.90			0.6		Alex M.	

1-Nov-19		10:20	71.1	2,803	8.09	440	2,252				1.4		Alex M.	
2-Nov-19		10:17		2,796	8.49	474	2,084				0.9		Alex M.	
3-Nov-19														
4-Nov-19		10:00	69.4	3,046	8.67	293	2,325				0.2		Alex M.	
5-Nov-19		10:05	65.5	3,064	8.70	223	2,351	11.40			0.2		Alex M.	
6-Nov-19		10:40	70.3	3,053	8.65	310	2,437				0.5		Alex M.	
7-Nov-19		10:25	72.9	2,907	8.66	456	2,205	10.30			1.0		Alex M.	
8-Nov-19		10:05	69.9	2,684	7.46	498	2,153				1.2		Alex M.	
9-Nov-19														
10-Nov-19														
11-Nov-19		10:50	70.6	2,950	8.71	515	2,239				1.5		Alex M.	
12-Nov-19		10:24	71.8	2,944	8.09	515	2,278	11.30			1.2		Alex M.	
13-Nov-19		10:20	70.0	2,956	8.66	526	2,250				1.0		Alex M.	
14-Nov-19		10:25	65.6	2,592	7.86	437	2,093	8.70			1.0		Alex M.	
15-Nov-19		10:25	71.7	2,777	8.60	245	2,118				0.4		Alex M.	
16-Nov-19		11:15	71.5	2,651	7.86			10.90					Rico	
17-Nov-19														
18-Nov-19		10:00	71.2	2,952	8.67	204	2,246	8.00			0.1		Alex M.	
19-Nov-19		10:00	71.5	2,987	8.49	339	2,235				0.3		Alex M.	
20-Nov-19														
21-Nov-19		1:20	68.9	3,005	8.47	456	2,233	8.20			0.7		Alex M.	
22-Nov-19		10:30	69.3	3,013	8.47	467	2,243				0.7		Alex M.	
23-Nov-19														
24-Nov-19														
25-Nov-19														
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7-Dec-19														
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9-Dec-19														
10-Dec-19														
11-Dec-19		11:00	67.0	2,500	8.36	185	1,847				0.2		Alex M.	
12-Dec-19														
13-Dec-19		1:50	74.9	3,360	8.48	534	2,513	9.80			1.2		Alex M.	
14-Dec-19														
15-Dec-19														
16-Dec-19														
17-Dec-19														
18-Dec-19														
19-Dec-19		11:20	68.7	4,125	8.59	174	3,430				0.2		Alex M.	
20-Dec-19		10:40	66.3	3,801	8.55	359	3,174				1.2		Alex M.	
21-Dec-19														
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31-Dec-19														

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Beta Cooling Tower Chemical Control Log Records

Date	Location	GE Trailer										Thank you	Analyst	Comments/Notes
	Description	Screen		Actual										
		Time	Temp.	Specific Cond.	pH	ORP (Redox)	TDS	Phosphate (PO4)	Silica	Iron, Total	Chlorine (Free)	Specific Cond.		
	Limit		-	<3,500	8.0-8.7	500-700	<2,500	10.0-12.0			0.5-1.0			
	Units	HH:S	°F	µS/cm	-	mV	ppm	ppm	ppm	ppm	gpm	µS/cm		
1-Jan-19		12:40	59.5	2,078	8.58	497	1,559				0.8	163	C. Robles	
2-Jan-19		13:15	70.3	2,152	8.60	472	1,611	8.70			0.6	157	C. Robles	
3-Jan-19		13:00	69.8	2,364	8.69	476	1,783				0.6	155	C. Robles	
4-Jan-19														
5-Jan-19														
6-Jan-19														
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27-Feb-19														
28-Feb-19														
1-Mar-19														
2-Mar-19														
3-Mar-19														
4-Mar-19		14:15	73.9	1,400	7.77	521	1,018				1.0		C. Robles	
5-Mar-19														
6-Mar-19														
7-Mar-19		13:00	62.5	1,468	7.86	608	1,077	6.20	11.50		1.5	165	Mahnaz	
8-Mar-19														
9-Mar-19		10:30	63.3	1,450	8.09	480	1,069	9.30		2.40	0.5	131	Mahnaz	
10-Mar-19														
11-Mar-19														
12-Mar-19		13:30	65.5	1,448	8.30	564	1,065	9.70	14.35	2.27	1.0	147	C. Robles	+++
13-Mar-19		14:00	63.1	1,366	8.35	517	1,001				0.8	170	C. Robles	
14-Mar-19		12:00	62.5	1,440	7.80	607	1,057	13.40	16.60		1.2	164	Mahnaz	
15-Mar-19		14:00	66.2	1,593	7.85	613	1,106				1.0	161	Mahnaz	
16-Mar-19		12:00	66.6	1,640	7.75	582	1,216	14.30		1.86	1.0	200	Mahnaz	
17-Mar-19														
18-Mar-19		13:30	71.1	1,859	8.31	514	1,365	11.40			0.9	177	C. Robles	
19-Mar-19		11:45	65.6	1,935	8.26	512	1,447		18.00	1.76	0.9	185	C. Robles	+++
20-Mar-19														
21-Mar-19		13:30	64.6	1,970	8.34	557	1,484	10.10			1.0	191	C. Robles	
22-Mar-19														
23-Mar-19		13:30	68.5	2,040	8.24	507	1,529	11.00	11.60		0.6	175	Mahnaz	
24-Mar-19		10:30	64.6	2,051	8.27	517	1,535				0.5	173	Mahnaz	
25-Mar-19		13:30	69.4	2,197	8.00	458	1,642	13.50			0.5	170	Mahnaz	
26-Mar-19														
27-Mar-19		12:30	68.8	2,353	8.44	506	1,788				0.7	178	C. Robles	
28-Mar-19		12:30	65.9	2,476	8.39	489	1,897	10.40			0.6	180	C. Robles	

29-Mar-19		12:00	67.6	2,545	8.20	507	1,947	13.50	19.95		0.7	177	Mahnaz	
30-Mar-19		12:00	68.5	2,513	8.33	517	1,915				0.7	179	Mahnaz	
31-Mar-19		11:30	69.1	2,482	8.33	490	1,891	12.50			0.7	157	Mahnaz	
1-Apr-19		13:00	68.2	2,542	8.30	497	1,941	12.40			0.7	160	Mahnaz	
2-Apr-19														
3-Apr-19		12:00	64.9	2,499	8.14	502	1,927	9.40			0.7	186	C. Robles	
4-Apr-19		12:30	68.9	2,462	8.14	485	1,886				0.6	187	C. Robles	
5-Apr-19		11:15	67.7	2,567	8.29	486	1,987	9.80	23.95	1.36	0.6	352	C. Robles	Notified Lead of 444 cond. spike
6-Apr-19		10:30	65.7	2,652	8.17	482	2,058				0.6	343	C. Robles	
7-Apr-19		14:30	69.2	2,872	8.29	280	2,187	12.80			0.2	394	Mahnaz	
8-Apr-19		11:00	65.8	2,905	8.22	442	2,231				0.7	470	Mahnaz	
9-Apr-19														
10-Apr-19		13:00	68.0	3,110	8.26	460	2,390	12.00	18.40	1.28	0.8	370	Mahnaz	
11-Apr-19		10:30	68.5	3,177	8.45	506	2,456				0.8		C. Robles	
12-Apr-19		12:00	69.1	3,218	8.25	505	2,440	10.90			0.7	269	C. Robles	
13-Apr-19		12:00	72.9	3,206	8.45	497	2,436				0.6	219	C. Robles	
14-Apr-19		13:00	70.0	3,267	8.31	473	2,487	10.90			0.5	202	C. Robles	
15-Apr-19		12:00	71.6	3,160	8.14	445	2,430	11.80	17.80		0.6	190	Mahnaz	
16-Apr-19														
17-Apr-19		13:00	66.8	2,865	8.37	493	2,186				0.6	184	Mahnaz	
18-Apr-19		11:30	66.2	2,775	8.30	507	2,142	11.00		1.05	0.5	184	Mahnaz	
19-Apr-19		11:30	73.0	2,751	8.31	487	2,086				0.5	189	C. Robles	
20-Apr-19		11:30	70.8	2,718	8.13	471	2,061	9.10			0.5	230	C. Robles	
21-Apr-19		11:30	66.1	2,697	8.28	469	2,049				0.5	216	C. Robles	
22-Apr-19		11:30	66.4	2,759	8.26	478	2,099	9.70	19.25	0.80	0.5	222	C. Robles	
23-Apr-19		11;00	69.6	2,836	8.17	528	2,194	10.80			1.0	220	Mahnaz	
24-Apr-19		11:00	67.9	2,990	8.15	550	2,296				0.9	224	Mahnaz	
25-Apr-19		11:30	70.5	2,965	8.30	480	2,268	11.80	21.00	0.90	0.7	252	Mahnaz	
26-Apr-19		11:30	74.3	3,065	8.35	451	2,312				0.4	255	C. Robles	
27-Apr-19		11:30	70.0	3,084	8.27	502	2,331	10.60			0.9	251	C. Robles	
28-Apr-19		10:30	70.1	3,060	8.28	515	2,325				1.0	232	C. Robles	
29-Apr-19		11:00	66.4	3,123	8.44	537	2,365	10.90	22.95	0.76	1.0	222	C. Robles	
30-Apr-19		10:30	67.0	3,060	8.22	515	2,338				1.0	215	C. Robles	
1-May-19		11:30	66.4	3,055	8.22	577	2,345	12.00	20.55		1.0	218	Mahnaz	
2-May-19		10:00	68.1	3,186	8.25	563	2,354			1.03	0.8	212	Mahnaz	
3-May-19		12:00	66.6	3,053	8.20	580	2,350	12.20			0.8	203	Mahnaz	
4-May-19		12:00	67.6	3,059	8.21	573	2,346				0.6	210	Mahnaz	
5-May-19		11:00	72.8	3,213	8.25	497	2,457				0.7	214	C. Robles	
6-May-19		11:00	68.8	3,043	8.39	515	2,330	11.10		0.66	1.0	219	C. Robles	
7-May-19		13:00	74.7	3,068	8.38	475	2,336		22.25		0.5	226	C. Robles	
8-May-19		11:30	72.7	3,136	8.41	510	2,391	11.70			0.9	219	C. Robles	
9-May-19		11:30	69.9	3,121	8.32	567	2,403	11.80	21.00	0.62	0.8	227	Mahnaz	
10-May-19														
11-May-19		14:30	69.6	3,130	8.30	558	2,418				0.8	225	Mahnaz	
12-May-19		12:00	71.2	3,180	8.37	515	2,445	13.50			1.0	232	Mahnaz	
13-May-19		11:00	70.7	3,245	8.27	492	2,484	12.40			0.7	217	C. Robles	
14-May-19		11:00	69.7	3,229	8.26	465	2,478				0.5	198	C. Robles	
15-May-19		14:00	69.6	2,977	8.30	502	2,271	10.40			0.8	197	C. Robles	
16-May-19		12:30	69.0	2,934	8.08	518	2,227	10.70	21.60	0.69	1.4		C. Robles	
17-May-19		10:20	65.0	2,909	8.00	575	2,222				1.0	193	Mahnaz	

18-May-19		13:30	69.3	3,011	8.20	562	2,287	10.70			0.9	190	Mahnaz	
19-May-19		11:15	68.4	2,935	8.23	576	2,253		26.15	0.61	1.0	187	Mahnaz	
20-May-19		11:30	67.7	2,940	8.30	593	2,253	11.00			1.2	178	Mahnaz	
21-May-19														
22-May-19														
23-May-19														
24-May-19		13:30	69.8	2,941	8.43	454	2,250	11.20			0.5	177	Mahnaz	
25-May-19		11:00	68.1	2,870	8.50	410	2,188				0.5	173	Mahnaz	
26-May-19														
27-May-19		11:30	68.5	2,900	8.36	545	2,224	11.40			1.0	176	Mahnaz	
28-May-19		12:00	67.0	2,887	8.21	547	2,210	11.90			0.8	173	Mahnaz	
29-May-19		9:30	70.4	2,851	8.29	506	2,164	9.80	21.50	0.95	0.9	169	C. Robles	
30-May-19		11:45	70.8	2,749	8.21	474	2,092	9.80			0.5	169	C. Robles	
31-May-19		10:00	67.6	2,610	8.22	489	1,986	9.20			0.8	168	C. Robles	
1-Jun-19		10:00	68.8	2,644	8.12	476	2,011	9.10			0.7	183	C. Robles	
2-Jun-19		11:00	72.2	2,604	8.25	528	1,990	10.00			0.7	195	Mahnaz	
3-Jun-19		13:00	71.4	2,660	8.20	532	2,033	10.10			0.8	206	Mahnaz	
4-Jun-19		10:00	73.9	2,720	8.24	515	2,119	10.70			0.8	206	Mahnaz	
5-Jun-19		10:00	76.6	2,923	8.32	380	2,209	10.80	19.05		0.4	200	Mahnaz	
6-Jun-19		10:00	73.3	2,873	8.25	479	2,165	9.80			0.7	187	C. Robles	
7-Jun-19		10:00	70.7	2,731	8.29	490	2,075	9.80	23.05	0.63	0.7	177	C. Robles	
8-Jun-19		10:30	68.8	2,739	8.32	472	2,083	9.70			0.5	183	C. Robles	
9-Jun-19		10:00	71.9	2,822	8.24	493	2,149	10.90			0.9	180	C. Robles	
10-Jun-19		11:30	70.0	2,890	8.33	544	2,204	11.30			0.8	189	Mahnaz	
11-Jun-19		11:30	71.9	2,821	8.34	530	2,173	11.30	23.70	0.55	0.8	178	Mahnaz	
12-Jun-19		11:30	71.9	2,821	8.34	530	2,173	11.60			0.6	168	Mahnaz	
13-Jun-19		9:30	72.1	2,913	8.40	516	2,220	11.20			0.7	202	Mahnaz	
14-Jun-19		10:00	73.1	2,964	8.21	485	2,238	12.70			0.5	202	C. Robles	
15-Jun-19		10:00	70.8	2,936	8.31	464	2,219	11.80			0.5	201	C. Robles	
16-Jun-19		10:30	72.4	2,903	8.22	471	2,192	11.40			0.5	205	C. Robles	
17-Jun-19		10:30	70.5	2,916	8.42	479	2,203	11.60	26.95	0.49	0.6	209	C. Robles	
18-Jun-19		11:30	75.6	3,021	8.30	480	2,280	12.70			0.6	211	Mahnaz	
19-Jun-19		11:00	76.0	3,100	8.40	437	2,367	12.70			0.6	204	Mahnaz	
20-Jun-19		11:00	77.0	3,160	8.50	430	2,414	12.90			0.5	206	Mahnaz	
21-Jun-19		10:30	71.9	3,137	8.26	480	2,384	12.20			0.7	194	C. Robles	
22-Jun-19		10:00	69.1	3,283	8.50	489	2,512	13.10			0.7	206	C. Robles	
23-Jun-19		10:00	69.0	3,079	8.10	506	2,341	12.00			0.9	199	C. Robles	
24-Jun-19		10:00	70.7	3,203	8.42	483	2,456	12.70	38.10	0.47	0.7	202	C. Robles	
25-Jun-19		10:00	69.3	3,244	8.21	502	2,491	12.70			0.8	202	C. Robles	
26-Jun-19		10:00	72.7	3,295	8.40	441	2,530	15.50			0.6	206	Mahnaz	
27-Jun-19		11:30	70.9	3,320	8.40	415	2,570	15.50			0.6	232	Mahnaz	
28-Jun-19		11:00	67.6	3,347	8.45	506	2,593	11.60			0.8	240	Mahnaz	
29-Jun-18		9:30	71.3	3,390	8.43	450	2,621	11.20			0.6	238	Mahnaz	
30-Jun-19		10:30	71.4	3,442	8.34	495	2,649	10.80			0.9	227	C. Robles	
1-Jul-19		10:00	70.5	3,381	8.36	486	2,602				0.6	238	C. Robles	
2-Jul-19		10:00	71.2	3,470	8.41	468	2,680	11.20	35.55	0.43	0.6	241	C. Robles	
3-Jul-19		10:00	71.2	3,583	8.59	445	2,752				0.5	245	C. Robles	
4-Jul-19		10:00	74.1	3,496	8.45	431	2,784	12.30			0.5	242	Mahnaz	
5-Jul-19														
6-Jul-19														

7-Jul-19													
8-Jul-19		11:30	72.0	3,710	8.55	430	2,885				0.5		Mahnaz	
9-Jul-19		9:45	68.8	3,712	8.25	482	2,884	12.90	39.70	0.43	0.5	195	C. Robles	
10-Jul-19		10:15	70.7	3,568	8.47	440	2,754				0.5	198	C. Robles	
11-Jul-19		11:45	73.2	3,471	8.47	432	2,660	11.20			0.5	190	C. Robles	
12-Jul-19		10:30	72.3	3,540	8.44	425	2,723				0.5	185	C. Robles	
13-Jul-19				4,165	8.20								Broderick	
14-Jul-19				4,228	8.90								Broderick	
15-Jul-19														
16-Jul-19		12:30	76.7	4,313	8.55	425	3,368				0.5	228	C. Robles	
17-Jul-19		10:30	74.0	4,047	8.48	432	3,151	14.60			0.5	232	C. Robles	
18-Jul-19		11:00	73.6	4,070	8.55	416	3,173				0.5	200	C. Robles	
19-Jul-19		9:30	68.5	3,960	8.51	468	3,099	12.80	38.75	0.50	0.7	195	C. Robles	
20-Jul-19		9:30		4,040	8.68								Phil	
21-Jul-19		10:00		4,010	8.70								Phil	
22-Jul-19														
23-Jul-19														
24-Jul-19		10:30	75.7	3,782	8.74	425	2,913	12.80	35.75	0.48	0.6	203	C. Robles	
25-Jul-19														
26-Jul-19		11:00	75.1	3,433	8.74	462	2,642	12.30			0.6	205	C. Robles	
27-Jul-19		10:45		3,422	8.76								Caleb	
28-Jul-19		11:00		3,539	8.78								Caleb	
29-Jul-19		10:20	76.1	3,262	8.80	410	2,481	11.20	31.10	0.41	0.5	192	C. Robles	
30-Jul-19		10:15	76.1	3,202	8.75	392	2,433				0.5	217	C. Robles	
31-Jul-19		10:45	76.8	3,373	8.77	378	2,578				0.5	219	C. Robles	
1-Aug-19		11:00	71.3	3,463	8.75	402	2,668	12.00			0.7	231	C. Robles	
2-Aug-19														
3-Aug-19		10:55		3,220	8.10								Larry	
4-Aug-19		10:15		3,265	8.32								Larry	
5-Aug-19														
6-Aug-19		10:00	78.6	3,212	8.83	304	2,436	12.20			0.5	211	C. Robles	
7-Aug-19		11:00	77.1	3,232	8.47	378	2,461	11.50	32.00	0.39	0.5	215	C. Robles	
8-Aug-19		11:00	71.9	3,321	8.50	387	2,545				0.6	231	C. Robles	
9-Aug-19														
10-Aug-19		9:05		3,271	8.51		2,535						Manny G	
11-Aug-19		10:20		3,325	8.49		2,577						Manny G	
12-Aug-19		10:15		3,423	8.46		2,578				0.5		Mahnaz	
13-Aug-19		10:30		3,446	8.45		2,632				0.6		Mahnaz	
14-Aug-19		10:15		3,515	8.47		2,665				0.5		Mahnaz	
15-Aug-19		10:15		3,589	8.46		2,715				0.5		Mahnaz	
16-Aug-19														
17-Aug-19		11:25		3,635	8.66		2,814						Manny G	
18-Aug-19		11:35		3,641	8.60		2,818						Manny G	
19-Aug-19											0.5		Mahnaz	
20-Aug-19											0.5		Mahnaz	Legionella results < 4 cfu/ml
21-Aug-19		2::20		3,249	8.55		2,519				0.7		Mahnaz	Chlorine dosage increased
22-Aug-19		12:48		3,260	8.57		2,527				0.7		Mahnaz	
23-Aug-19		10:30		3,215	8.56		2,493						Manny G	
24-Aug-19		10:20		3,217	8.49		2,494						Manny G	
25-Aug-19		9:30		3,284	8.58		2,545							

26-Aug-19		10:00		3,271	8.52		2,535				0.8		Mahnaz	Chlorine dosage incresed
27-Aug-19		10:00		3,271	8.52		2,535				1.5		Mahnaz	
28-Aug-19		11:00		3,286	8.51		2,547				1.2		Mahnaz	
29-Aug-19		1:30		3,286	8.51		2,547				1.0		Mahnaz	
30-Aug-19		10:30		3,155	8.53		2,447	11.50					Caleb	
31-Aug-19		10:30		3,164	8.54		2,454	11.90					Caleb	
1-Sep-19		10:30		3,262	8.59		2,529						Caleb	
2-Sep-19		11:00		3,230	8.62		2,504				1.1		Mahnaz	
3-Sep-19		10:30		3,174	8.60		2,461	12.60			1.0		Mahnaz	Second Legionella Sample
4-Sep-19		10:30		3,181	8.58		2,467				0.9		Mahnaz	
5-Sep-19											0.9		Mahnaz	
6-Sep-19														
7-Sep-19														
8-Sep-19		11:00		3,075	8.60		2,386						Caleb	
9-Sep-19		11:00		3,097	8.60		2,402				0.8		Mahnaz	
10-Sep-19											0.8		Mahnaz	
11-Sep-19											0.9		Mahnaz	
12-Sep-19											0.8		Mahnaz	
13-Sep-19		9:35		2,713	8.50		2,109						Efrain	
14-Sep-19		10:00		2,741	8.55		2,130						Efrain	
15-Sep-19		11:10		2,719	8.58		2,113							
16-Sep-19		11:10		2,670	8.56		2,076				0.9		Mahnaz	Second Legionella test results: 8 cfu/ml
17-Sep-19		10:36		2,664	8.57		2,071	10.60			1.1		Efrain	
18-Sep-19		10:30		2,548	8.55		2,022				1.0		Mahnaz	
19-Sep-19		10:30		2,465	8.53		1,994				1.0		Mahnaz	
20-Sep-19														
21-Sep-19														
22-Sep-19		10:30		2,355	8.49		1,835				1.1		Efrain	
23-Sep-19		10:30		2,374	8.38		1,850	11.20			1.0		Efrain	
24-Sep-19		10:16		2,429	8.44		1,892	11.40			1.1		Efrain	
25-Sep-19		10:16		2,524	8.52		1,964				1.0		Efrain	
26-Sep-19														
27-Sep-19		10:30		2,496	8.49		1,943						Shell	
28-Sep-19		11:30		2,473	8.50		1,925						Shell	
29-Sep-19		10:45		2,299	8.46		1,792						Shell	
30-Sep-19		10:15		2,289	8.43		1,785				1.1		Mahnaz	
1-Oct-19		10:30		2,434	8.49		1,895	12.00						
2-Oct-19		10:00		2,505	8.45		1,950				1.1		Caleb	
3-Oct-19											1.2			
4-Oct-19		10:30		2,727	8.31		2,119						L Shell	
5-Oct-19		10:45		2,744	8.55		2,132	15.40					L Shell	
6-Oct-19		11:15		2,874	8.50		2,232						L Shell	
7-Oct-19		11:30		2,882	8.52		2,238				1.4		L Shell	
8-Oct-19		11:30		2,907	8.50		2,257	14.90					L Shell	
9-Oct-19														
10-Oct-19		11:00	62.9	2,912	8.51	547	1,984	16.00			1.6		Alex M.	
11-Oct-19													Alex M.	
12-Oct-19														
13-Oct-19		11:25	71.8	2,655	8.46	435	2,064	13.60			0.6		Alex M.	

14-Oct-19		11:40	67.7	2,661	8.42	504	2,069	11.10					Alex M.	
15-Oct-19		11:00	68.0	2,611	8.38	498	2,031	12.40			1.0		Alex M.	
16-Oct-19		11:20	76.2	2,577	8.55	528	2,005	10.90			2.0		Alex M.	
17-Oct-19														
18-Oct-19		11:30	73.0	2,603	8.49	531	1,953				0.2		Alex M.	
19-Oct-19														
20-Oct-19														
21-Oct-19		11:25	70.7	3,068	8.59	477	2,340				0.8		Alex M.	
22-Oct-19														
23-Oct-19		1:10	71.5	3,216	8.48	494	2,459	14.70			0.8		Alex M.	
24-Oct-19		11:00	73.5	3,043	8.63	506	2,310				1.0		Alex M.	
25-Oct-19		10:40	69.3	3,115	8.61	491	2,377	10.30			0.8		Alex M.	
26-Oct-19														
27-Oct-19														
28-Oct-19		11:00	63.5	3,218	8.60	493	2,485				0.7		Alex M.	
29-Oct-19		10:55	66.5	3,257	8.63	499	2,508	13.70			0.7		Alex M.	
30-Oct-19		11:00	65.4	3,200	8.51	511	2,470				1.0		Alex M.	
31-Oct-19		11:30	64.9	3,237	8.57	457	2,475	12.30			1.0		Alex M.	
1-Nov-19		11:00	63.3	2,989	8.00	384	2,433				0.8		Alex M.	
2-Nov-19		10:50	71.1	3,260	8.59	386	2,501				0.5		Alex M.	
3-Nov-19														
4-Nov-19		10:50	71.1	3,260	8.59	386	2,501				0.5		Alex M.	
5-Nov-19		10:40	70.0	3,142	8.59	328	2,406	10.90			0.4		Alex M.	
6-Nov-19		11:30	70.4	3,243	8.53	338	2,411				0.6		Alex M.	
7-Nov-19		11:00	67.6	3,105	8.63	344	2,372	10.80			0.3		Alex M.	
8-Nov-19		11:40	65.2	2,947	8.22	222	2,380				0.5		Alex M.	
9-Nov-19														
10-Nov-19														
11-Nov-19		11:20	70.4	29	8.53	317	2,353				0.6		Alex M.	
12-Nov-19		11:00	67.2	2,815	8.13	341	2,257	11.10			0.5		Alex M.	
13-Nov-19		11:00	63.4	2,935	8.58	441	2,241						Alex M.	
14-Nov-19		11:00	64.7	2,703	7.77	340	2,160	9.40			0.5		Alex M.	
15-Nov-19		11:00	74.9	2,815	8.56	402	2,150				0.6		Alex M.	
16-Nov-19		10:30		2,786	8.65			7.50					Manny	
17-Nov-19														
18-Nov-19		10:35	69.0	2,839	8.61	377	2,156	8.70			0.5		Alex M.	
19-Nov-19		11:00	62.7	2,885	8.40	428	2,167				0.5		Alex M.	
20-Nov-19														
21-Nov-19		2:10	70.3	2,986	8.34	427	2,214	7.40			0.6		Alex M.	
22-Nov-19		11:00	70.3	2,987	8.34	431	2,217				0.6		Alex M.	
23-Nov-19														
24-Nov-19														
25-Nov-19														
26-Nov-19														
27-Nov-19														
28-Nov-19														
29-Nov-19														
30-Nov-19														
31-Nov-19														
1-Dec-19														

2-Dec-19														
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5-Dec-19														
6-Dec-19														
7-Dec-19														
8-Dec-19														
9-Dec-19														
10-Dec-19														
11-Dec-19		12:00	68.4	2,973	8.32	112	2,204				0.2		Alex M.	
12-Dec-19														
13-Dec-19		11:40	68.1	3,020	8.33	345	2,243	7.40			0.5		Alex M.	
14-Dec-19														
15-Dec-19														
16-Dec-19														
17-Dec-19														
18-Dec-19														
19-Dec-19		1:20	65.1	2,946	8.36	224	2,385				0.2		Alex M	
20-Dec-19		7:12	64.3	2,974	8.38	191	2,420				0.4		Alex M	
21-Dec-19		11:30	63.4	3,004	8.43	261	2,438				0.6		Alex M	
22-Dec-19														
23-Dec-19														
24-Dec-19														
25-Dec-19														
26-Dec-19														
27-Dec-19														
28-Dec-19														
29-Dec-19														
30-Dec-19														
31-Dec-19														

Mojave Solar LLC
42134 Harper Lake Road Phone: 760 308 0400
Hinkley, California 92347

Appendix E

Air Quality 34

2019 Emergency diesel generator and fire diesel pump panel pictures, sulfur content and engine use limitations documents

Mojave Solar Project

Annual Compliance Report

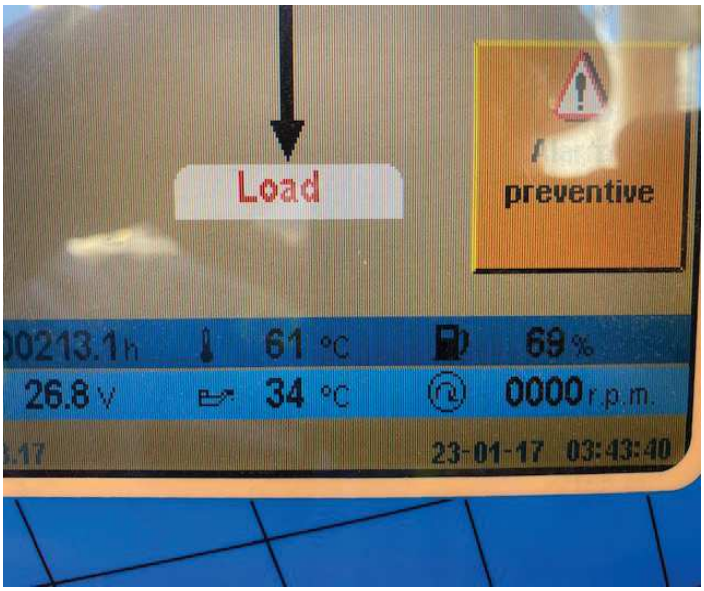
San Bernardino County, California

2019 Reporting Period

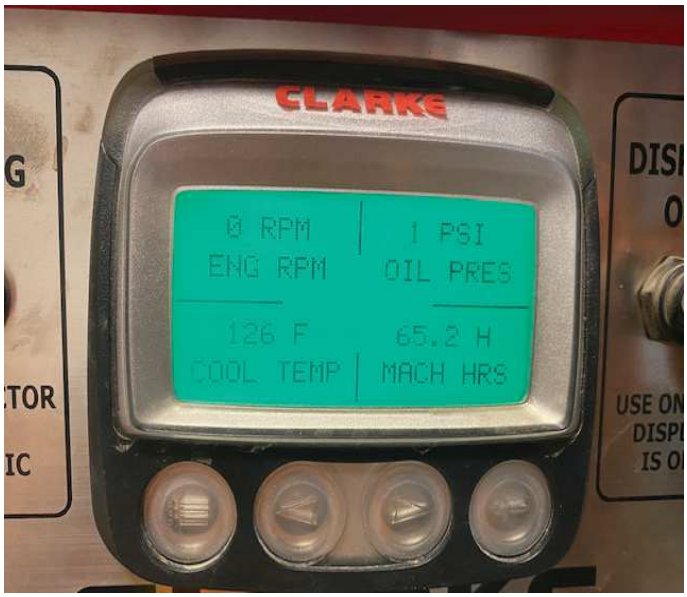
2019 Panel Pictures of Emergency Diesel Generator and Diesel–Driven Fire Pump

Reference Conditions: AQ34 and AQ45

Alpha



Alpha



2019 Panel Pictures of Emergency Diesel Generator and Diesel–Driven Fire Pump

Reference Conditions: AQ34 and AQ45

Beta

Beta

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☒ Beta ☐	Date: 12-13-19
Operator: PHIL TOURGELIS	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 165

Pump Suction Pressure: 20 Pump Discharge pressure: 165

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☐ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 19:40

Pump Suction Pressure: 20 Pump Discharge pressure: 155

Stop time: 17:50 Total time running 10MINS

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☒ 50% Monthly Fuel Consumption:

Battery volt Crank 1: 26.7 Battery volt Crank 2: 26.7	Battery Condition: OK
Starting hour meter: 63.9	Start time: 19:08
Oil pressure start: 66	Oil Pressure finish: 45

Pump Suction Pressure: 20 Pump Discharge pressure: 155

Coolant temperature after 30 minutes running: 176

Stop time: 19:38 Stop hour meter: 64.4 Total time running: 30MINS

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 "Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

: Fuel consumption 27 gal/ h approximately

e is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA [X] BETA: [ ] Date: 12-12-19 Operator FREUND

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	157	O/C	YES	Y[X] N[ ]	
2	SG Unit 2	B1-2	157	O/C	YES	Y[X] N[ ]	
3	Reheaters	B1-3	156	O/C	YES	Y[X] N[ ]	
4	Rack 2 West HTF	B1-4	155	O/C	YES	Y[X] N[ ]	
5	Rack 2 East HTF	B1-5	155	O/C	YES	Y[X] N[ ]	
6	North Steel Pro	B1-6	158	O/C	YES	Y[X] N[ ]	
7	HTF Pumps	B1-7	155	O/C	YES	Y[X] N[ ]	
8	HTF Heaters	B1-8	155	O/C	YES	Y[X] N[ ]	
9	South Steel Pro	B1-9	160	O/C	YES	Y[X] N[ ]	
10	Lube Oil	B1-10	155	O/C	YES	Y[ ] N[X]	NO LOCK
11	Turbine Hose Stations	B1-11	156	O/C	YES	Y[X] N[ ]	
12	Turbine Bearings	B1-12	155	O/C	YES	Y[X] N[ ]	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	165	O/C	YES	Y[X] N[ ]	
2	Ullage Area	B2-2	170	O/C	YES	Y[X] N[ ]	
3	Ullage Structure	B2-11	170	O/C	YES	Y[X] N[ ]	
4	Rack 1 Middle Area	B2-5	167	O/C	YES	Y[X] N[ ]	
5	Overflow Tanks	B2-9	165	O/C	YES	Y[X] N[ ]	
6	Rack 1 South Area	B2-6	170	O/C	YES	Y[X] N[ ]	
7	Rack 1 West	B2-7	165	O/C	YES	Y[X] N[ ]	
8	Rack 1 North Area	B2-4	165	O/C	YES	Y[X] N[ ]	
9	Over flow AFFF	B2-8	175	O/C	YES	Y[X] N[ ]	
10	Expansion Vessel AFFF	B2-3	165	O/C	YES	Y[X] N[ ]	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	O/C	YES	Y[X] N[ ]	
2	Transformer Main	150	O/C	YES	Y[X] N[ ]	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Cooling Tower West Side	155	O/C	NO	Y[ ] N[X]	NO LOCK. OK. STORES

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	O/C	YES	Y[X] N[ ]	
2	Offices	B4-3	160	O/C	YES	Y[X] N[ ]	
3	Electrical Room	B4-4	157	O/C	YES	Y[X] N[ ]	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y[X] N[ ]	O/C	
2	Bearing 3	Y[X] N[ ]	O/C	
3	Bearing 4	Y[X] N[ ]	O/C	
4	Bearing 5	Y[X] N[ ]	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y[X] N[ ]	O/C	
2	MP-200A	Y[X] N[ ]	O/C	
3	MP-200B	Y[X] N[ ]	O/C	
4	MP-200C	Y[X] N[ ]	O/C	
5	MP-200D	Y[X] N[ ]	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	175	OPEN	Y[X] N[ ]	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C	NO		
2	Maintenance Shop Drive Way #8	O/C	NO		
3	West Side Power Block by VS-3 # 9	O/C	NO		
4	West Side Power Block by VS-1 # 10	O/C	NO		
5	West Side Cooling Tower by VS-4 # 11	O/C	NO		
6	West side Cooling Tower by VS-4 # 12	O/C	NO		
7	N.W. Corner Chemical Storage #1	O/C	NO		
8	N.E. Corner Chemical Storage # 2	O/C	NO		
9	East Side W.T. by Multimedia Filters # 3	O/C	NO		
10	East Side W.T. by Multimedia Filters # 5	O/C	NO		
11	North Side Bldg 10 # 6	O/C	NO		
12	Between MP-444's and Water Treat # 4	O/C	NO		LOCKED OUT
~~13~~	~~West Side Power Block Valve Shed #1~~	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	N[X]		

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 12/7/19
Operator: Rico	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: N/A

Pump Suction Pressure: 20 Pump Discharge pressure: ~~N/A~~ 20

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 164

Start time: 5:30 pm

Pump Suction Pressure: 20 Pump Discharge pressure: 150

Stop time: 5:40 pm Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: 27.2 Battery volt Crank 2: 27.2	Battery Condition: good
Starting hour meter: 63.5	Start time: 5:41 pm
Oil pressure start: 73	Oil Pressure finish: 45

Pump Suction Pressure: 25 Pump Discharge pressure: 150

Coolant temperature after 30 minutes running: 180

Stop time: 6:11pm Stop hour meter: 63.9 Total time running: 30 min

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 "Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Fuel consumption 27 gal/ h approximately

re is no limit on engine operation for emergency use. [Title 17 CCR 93115 6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 12-7-A Operator: Mike H

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	165	O/C	✓	Y☑ N☐	
2	SG Unit 2	B1-2	165	O/C	✓	Y☑ N☐	
3	Reheaters	B1-3	170	O/C	✓	Y☑ N☐	
4	Rack 2 West HTF	B1-4	170	O/C	✓	Y☑ N☐	
5	Rack 2 East HTF	B1-5	170	O/C	✓	Y☑ N☐	
6	North Steel Pro	B1-6	170	O/C	✓	Y☑ N☐	
7	HTF Pumps	B1-7	165	O/C	✓	Y☑ N☐	
8	HTF Heaters	B1-8	175	O/C	✓	Y☑ N☐	
9	South Steel Pro	B1-9	165	O/C	✓	Y☑ N☐	
10	Lube Oil	B1-10	170	O/C	✓	Y☑ N☐	
11	Turbine Hose Stations	B1-11	170	O/C	✓	Y☑ N☐	
12	Turbine Bearings	B1-12	170	O/C	✓	Y☑ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	175	O/C	✓	Y☑ N☐	
2	Ullage Area	B2-2	175	O/C	✓	Y☑ N☐	
3	Ullage Structure	B2-11	175	O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area	B2-5	170	O/C	✓	Y☑ N☐	
5	Overflow Tanks	B2-9	170	O/C	✓	Y☑ N☐	
6	Rack 1 South Area	B2-6	175	O/C	✓	Y☑ N☐	
7	Rack 1 West	B2-7	175	O/C	✓	Y☑ N☐	
8	Rack 1 North Area	B2-4	165	O/C	✓	Y☑ N☐	
9	Over flow AFFF	B2-8	165	O/C	✓	Y☑ N☐	
10	Expansion Vessel AFFF	B2-3	170	O/C	✓	Y☑ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	165	O/C	✓	Y☑ N☐	
2	Transformer Main	170	O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Cooling Tower West Side	170	O/C	✓	Y☑ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	165	O/C	✓	Y☑ N☐	
2	Offices	B4-3	165	O/C	✓	Y☑ N☐	
3	Electrical Room	B4-4	170	O/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	O/C	
2	Bearing 3	Y☑ N☐	O/C	
3	Bearing 4	Y☑ N☐	O/C	
4	Bearing 5	Y☑ N☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☑ N☐	O/C	
2	MP-200A	Y☑ N☐	O/C	
3	MP-200B	Y☑ N☐	O/C	
4	MP-200C	Y☑ N☐	O/C	
5	MP-200D	Y☑ N☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	165	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C	✓		
2	Maintenance Shop Drive Way #8	O/C	✓		
3	West Side Power Block by VS-3 # 9	O/C	✓		
4	West Side Power Block by VS-1 # 10	O/C	✓		
5	West Side Cooling Tower by VS-4 # 11	O/C	✓		
6	West side Cooling Tower by VS-4 # 12	O/C	✓		
7	N.W. Corner Chemical Storage #1	O/C	✓		
8	N.E. Corner Chemical Storage # 2	O/C	✓		
9	East Side W.T. by Multimedia Filters # 3	O/C	✓		
10	East Side W.T. by Multimedia Filters # 5	O/C	✓		
11	North Side Bldg 10 # 6	O/C	✓		
12	Between MP-444 S and Water Treat # 4	O/C	✓		
13	West Side Power Block Valve Shed #1 N/A	O/C	N/A		

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 11/29/19
Operator: Rico	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: N/A

Pump Suction Pressure: 15 Pump Discharge pressure: 90

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 164

Start time: 5:53 pm

Pump Suction Pressure: 25 Pump Discharge pressure: 150

Stop time: 6:03 pm Total time running 10 min

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☐ Monthly Fuel Consumption:

Battery volt Crank 1: 27.3 Battery volt Crank 2: 27.3	Battery Condition: good
Starting hour meter: 630	Start time: 6:05 pm
Oil pressure start: 73	Oil Pressure finish: 45

Pump Suction Pressure: 25 Pump Discharge pressure: 150

Coolant temperature after 30 minutes running: 187

Stop time: 6:35 pm Stop hour meter: 63.5 Total time running: 30 min

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately

: is no limit on engine operation for emergency use. (Title 17 CCR 93115.6(a)(4))

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

12-1

Plant: ALPHA ☑ BETA: ☐ Date: ~~12-30~~ -19 Operator Mike H

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	165	O/C	✓	Y☑ N☐	
2	SG Unit 2	B1-2	165	O/C	✓	Y☐ N☐	
3	Reheaters	B1-3	165	O/C	✓	Y☑ N☐	
4	Rack 2 West HTF	B1-4	170	O/C	✓	Y☑ N☐	
5	Rack 2 East HTF	B1-5	170	O/C	✓	Y☑ N☐	
6	North Steel Pro	B1-6	170	O/C	✓	Y☐ N☑	
7	HTF Pumps	B1-7	170	O/C	✓	Y☑ N☐	
8	HTF Heaters	B1-8	170	O/C	✓	Y☑ N☐	
9	South Steel Pro	B1-9	164	O/C	✓	Y☐ N☑	
10	Lube Oil	B1-10	170	O/C	✓	Y☑ N☐	
11	Turbine Hose Stations	B1-11	167	O/C	✓	Y☑ N☐	
12	Turbine Bearings	B1-12	170	O/C	✓	Y☑ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	175	O/C	✓	Y☑ N☐	
2	Ullage Area	B2-2	173	O/C	✓	Y☑ N☐	
3	Ullage Structure	B2-11	176	O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area	B2-5	176	O/C	✓	Y☑ N☐	
5	Overflow Tanks	B2-9	176	O/C	✓	Y☑ N☐	
6	Rack 1 South Area	B2-6	170	O/C	✓	Y☑ N☐	
7	Rack 1 West	B2-7	163	O/C	✓	Y☑ N☐	
8	Rack 1 North Area	B2-4	165	O/C	✓	Y☑ N☐	
9	Over flow AFFF	B2-8	170	O/C	✓	Y☑ N☐	
10	Expansion Vessel AFFF	B2-3	165	O/C	✓	Y☐ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	170	O/C	✓	Y☑ N☐	
2	Transformer Main	170	O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	163	O/C	✓	Y☑ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	175	O/C	✓	Y☑ N☐	
2	Offices	B4-3	170	O/C	✓	Y☑ N☐	
3	Electrical Room	B4-4	170	O/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	O/C	
2	Bearing 3	Y☑ N☐	O/C	
3	Bearing 4	Y☑ N☐	O/C	
4	Bearing 5	Y☑ N☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☑ N☐	O/C	
2	MP-200A	Y☑ N☐	O/C	
3	MP-200B	Y☑ N☐	O/C	
4	MP-200C	Y☑ N☐	O/C	
5	MP-200D	Y☑ N☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	165	O	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C	Yes	12-1-19	
2	Maintenance Shop Drive Way #8	O/C	Yes	12-1	
3	West Side Power Block by VS-3 # 9	O/C	Yes	12-1	
4	West Side Power Block by VS-1 # 10	O/C	Yes	12-1	
5	West Side Cooling Tower by VS-4 # 11	O/C	Yes	12-1	
6	West side Cooling Tower by VS-4 # 12	O/C	Yes	12-1	
7	N.W. Corner Chemical Storage #1	O/C	Yes	12-1	
8	N.E. Corner Chemical Storage # 2	O/C	Yes	12-1	
9	East Side W.T. by Multimedia Filters # 3	O/C	Yes	12-1	
10	East Side W.T. by Multimedia Filters # 5	O/C	Yes	12-1	
11	North Side Bldg 10 # 6	O/C	Yes	12-1	
12	Between MP-444's and Water Treat # 4	~~O/C~~	~~No~~		
13	West Side Power Block Valve Shed #1 N/A	O/C	No		

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 11-22-19
Operator: Mike Hinton	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 165

Pump Suction Pressure: N/A Pump Discharge pressure: 165

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 1815

Pump Suction Pressure: 12 Pump Discharge pressure: 165

Stop time: 1825 Total time running 10 mins

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☑ No ☐ N/A Monthly Fuel Consumption:

Battery volt Crank 1: 27.4 Battery volt Crank 2: 27.4	Battery Condition: Good
Starting hour meter: ~~5~~ 625	Start time: 1825
Oil pressure start: 71	Oil Pressure finish: 64

Pump Suction Pressure: 7 Pump Discharge pressure: 165

Coolant temperature after 30 minutes running: 187

Stop time: 1855 Stop hour meter: 630 Total time running: 30 mins

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 "Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above

Note: Fuel consumption 27 gal/ h approximately

o is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 11/22/19 Operator: Rico

Valve Shed # 1 by Condenser

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1 B1-1	165	O/C	✓	Y ☑ N ☐	
2	SG Unit 2 B1-2	165	O/C	✓	Y ☑ N ☐	
3	Reheaters B1-3	170	O/C	✓	Y ☑ N ☐	
4	Rack 2 West HTF B1-4	163	O/C	✓	Y ☑ N ☐	
5	Rack 2 East HTF B1-5	165	O/C	✓	Y ☑ N ☐	
6	North Steel Pro B1-6	165	O/C	✓	Y ☑ N ☐	
7	HTF Pumps B1-7	165	O/C	✓	Y ☑ N ☐	
8	HTF Heaters B1-8	162	O/C	✓	Y ☑ N ☐	
9	South Steel Pro B1-9	165	O/C	✓	Y ☑ N ☐	
10	Lube Oil B1-10	170	O/C	✓	Y ☑ N ☐	
11	Turbine Hose Stations B1-11	165	O/C	✓	Y ☑ N ☐	
12	Turbine Bearings B1-12	165	O/C	✓	Y ☑ N ☐	

Valve Shed # 2 by Overflow

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels B2-1	165	O/C	✓	Y ☑ N ☐	
2	Ullage Area B2-2	167	O/C	✓	Y ☑ N ☐	
3	Ullage Structure B2-11	165	O/C	✓	Y ☑ N ☐	
4	Rack 1 Middle Area B2-5	170	O/C	✓	Y ☑ N ☐	
5	Overflow Tanks B2-9	167	O/C	✓	Y ☑ N ☐	
6	Rack 1 South Area B2-6	165	O/C	✓	Y ☑ N ☐	
7	Rack 1 West B2-7	165	O/C	✓	Y ☑ N ☐	
8	Rack 1 North Area B2-4	160	O/C	✓	Y ☑ N ☐	
9	Over flow AFFF B2-8	165	O/C	✓	Y ☑ N ☐	
10	Expansion Vessel AFFF B2-3	165	O/C	✓	Y ☑ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	170	O/C	✓	Y ☑ N ☐	
2	Transformer Main	165	O/C	✓	Y ☑ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	175	O/C	✓	Y ☑ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room B4-5	165	O/C	✓	Y ☑ N ☐	
2	Offices B4-3	165	O/C	✓	Y ☑ N ☐	
3	Electrical Room B4-4	165	O/C	✓	Y ☑ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ☑ N ☐	O/C	
2	Bearing 3	Y ☑ N ☐	O/C	
3	Bearing 4	Y ☑ N ☐	O/C	
4	Bearing 5	Y ☑ N ☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-200	Y ☑ N ☐	O/C	
2	MP-200A	Y ☑ N ☐	O/C	
3	MP-200B	Y ☑ N ☐	O/C	
4	MP-200C	Y ☑ N ☐	O/C	
5	MP-200D	Y ☑ N ☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	190	Open	Y ☑ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☐	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☑ Beta ☐	Date: 11-16-19
Operator: Mike Hinton	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 165

Pump Suction Pressure: N/A Pump Discharge pressure: 165

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 1740

Pump Suction Pressure: 7 Pump Discharge pressure: 165

Stop time: 1750 Total time running 10 mins

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☑ 1/2 tank Monthly Fuel Consumption:

Battery volt Crank 1: 27.1 Battery volt Crank 2: 27.3	Battery Condition: Good
Starting hour meter: 62.0	Start time: 1800
Oil pressure start: 67	Oil Pressure finish: 45

Pump Suction Pressure: 12 Pump Discharge pressure: 160

Coolant temperature after 30 minutes running: 189

Stop time: 1830 Stop hour meter: 62.5 Total time running: 30 mins

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 "Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

fuel consumption 27 gal/ h approximately

e is no limit on engine operation for emergency use. [Title 17 CCR 93115 6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 11-15-19 Operator: Rico T.

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	165	O/C	✓	Y☑ N☐	
2	SG Unit 2	B1-2	170	O/C	✓	Y☐ N☐	
3	Reheaters	B1-3	165	O/C	✓	Y☐ N☐	
4	Rack 2 West HTF	B1-4	165	O/C	✓	Y☐ N☐	
5	Rack 2 East HTF	B1-5	170	O/C	✓	Y☑ N☐	
6	North Steel Pro	B1-6	165	O/C	✓	Y☑ N☐	
7	HTF Pumps	B1-7	165	O/C	✓	Y☑ N☐	
8	HTF Heaters	B1-8	162	O/C	✓	Y☑ N☐	
9	South Steel Pro	B1-9	165	O/C	✓	Y☑ N☐	
10	Lube Oil	B1-10	172	O/C	✓	Y☑ N☐	
11	Turbine Hose Stations	B1-11	165	O/C	✓	Y☑ N☐	
12	Turbine Bearings	B1-12	165	O/C	✓	Y☑ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	165	O/C	✓	Y☑ N☐	
2	Ullage Area	B2-2	165	O/C	✓	Y☑ N☐	
3	Ullage Structure	B2-11	165	O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area	B2-5	168	O/C	✓	Y☑ N☐	
5	Overflow Tanks	B2-9	170	O/C	✓	Y☐ N☐	
6	Rack 1 South Area	B2-6	172	O/C	✓	Y☑ N☐	
7	Rack 1 West	B2-7	165	O/C	✓	Y☑ N☐	
8	Rack 1 North Area	B2-4	163	O/C	✓	Y☐ N☐	
9	Over flow AFFF	B2-8	165	O/C	✓	Y☐ N☐	
10	Expansion Vessel AFFF	B2-3	178	O/C	✓	Y☐ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	178	O/C	✓	Y☐ N☐	
2	Transformer Main	165	O/C	✓	Y☐ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Cooling Tower West Side	165	O/C	✓	Y☑ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	165	O/C	✓	Y☑ N☐	
2	Offices	B4-3	165	O/C	✓	Y☑ N☐	
3	Electrical Room	B4-4	165	O/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	O/C	
2	Bearing 3	Y☑ N☐	O/C	
3	Bearing 4	Y☑ N☐	O/C	
4	Bearing 5	Y☑ N☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-200	Y☑ N☐	O/C	
2	MP-200A	Y☑ N☐	O/C	
3	MP-200B	Y☑ N☐	O/C	
4	MP-200C	Y☑ N☐	O/C	
5	MP-200D	Y☐ N☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	165	O/C	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Trail # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☑	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☒ Beta ☐	Date: 11-10-19
Operator: PHIL TOURGELIS	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☒ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☒ Mechanical ☒ Valves ☒	
Check the jockey pump on pressure drop. Start up pressure: 155	
Discharge Pressure: 165	
Pump Suction Pressure: 20	Pump Discharge pressure: 165
Comments:	

Electric Pump

Pre-start Inspection: Electrical Feed ☒ Mechanical ☒ Valves ☒	
Start the pump on pressure drop. Start up pressure: 145	
Start time: 1930	
Pump Suction Pressure: 20	Pump Discharge pressure: 155
Stop time: 1940	Total time running 10 MINS
Comments:	

Diesel Pump

Pre-start Inspection: Coolant ☒ Oil ☒ Mechanical ☒ Valves ☒ Water Jacket Heater ☒	
Fuel level > 2/3: Yes ☐ No ☒ 50%	Monthly Fuel Consumption:
Battery volt Crank 1: 26.6 Battery volt Crank 2: 26.5	Battery Condition: GOOD
Starting hour meter: 61.5	Start time: 19:00
Oil pressure start: 65	Oil Pressure finish: 44
Pump Suction Pressure: 20	Pump Discharge pressure: 150
Coolant temperature after 30 minutes running:	
Stop time: 19:30	Stop hour meter: 62.0 Total time running: 30 MINS
Comments:	
Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).	

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 "Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" rrent edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Fuel consumption 27 gal/ h approximately

e is no limit on engine operation for emergency use. [Title 17 CCR 93115 6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☒ BETA: ☐ Date: 11-10-19 Operator B. FREUND

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	156	O/C	YES	Y☑ N☐	
2	SG Unit 2	B1-2	160	O/C	YES	Y☑ N☐	
3	Reheaters	B1-3	152	O/C	YES	Y☑ N☐	
4	Rack 2 West HTF	B1-4	155	O/C	YES	Y☑ N☐	
5	Rack 2 East HTF	B1-5	160	O/C	YES	Y☑ N☐	
6	North Steel Pro	B1-6	160	O/C	YES	Y☑ N☐	
7	HTF Pumps	B1-7	155	O/C	YES	Y☑ N☐	
8	HTF Heaters	B1-8	0	O/C	YES	Y☐ N☒	VALVED OUT
9	South Steel Pro	B1-9	0	O/C	YES	Y☐ N☒	VALVED OUT
10	Lube Oil	B1-10	152	O/C	YES	Y☐ N☑	NO LOCK
11	Turbine Hose Stations	B1-11	156	O/C	YES	Y☑ N☐	
12	Turbine Bearings	B1-12	155	O/C	YES	Y☑ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	175	O/C	YES	Y☑ N☐	
2	Ullage Area	B2-2	170	O/C	YES	Y☑ N☐	
3	Ullage Structure	B2-11	180	O/C	YES	Y☑ N☐	
4	Rack 1 Middle Area	B2-5	178	O/C	YES	Y☑ N☐	
5	Overflow Tanks	B2-9	176	O/C	YES	Y☑ N☐	
6	Rack 1 South Area	B2-6	170	O/C	YES	Y☑ N☐	
7	Rack 1 West	B2-7	175	O/C	YES	Y☑ N☐	
8	Rack 1 North Area	B2-4	176	O/C	YES	Y☑ N☐	
9	Over flow AFFF	B2-8	178	O/C	YES	Y☑ N☐	
10	Expansion Vessel AFFF	B2-3	175	O/C	YES	Y☑ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	O/C	YES	Y☑ N☐	
2	Transformer Main	154	O/C	YES	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	O/C	YES	Y☐ N☒	

Valve Shed # 5 by Control Bldg TU

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	157	O/C	YES	Y☑ N☐	
2	Offices	B4-3	160	O/C	YES	Y☑ N☐	
3	Electrical Room	B4-4	160	O/C	YES	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	O/C	
2	Bearing 3	Y☑ N☐	O/C	
3	Bearing 4	Y☑ N☐	O/C	
4	Bearing 5	Y☑ N☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☑ N☐	O/C	
2	MP-200A	Y☑ N☐	O/C	
3	MP-200B	Y☑ N☐	O/C	
4	MP-200C	Y☑ N☐	O/C	
5	MP-200D	Y☑ N☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	180	OPEN	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C	NO	11-3-19	
2	Maintenance Shop Drive Way #8	O/C	NO	11-3-19	
3	West Side Power Block by VS-3 # 9	O/C	NO	11-3-19	
4	West Side Power Block by VS-1 # 10	O/C	NO	11-7-19	DUG UP
5	West Side Cooling Tower by VS-4 # 11	O/C	NO	11-3-19	
6	West side Cooling Tower by VS-4 # 12	O/C	NO	11-3-19	
7	N.W. Corner Chemical Storage #1	O/C	NO	11-3-19	
8	N.E. Corner Chemical Storage # 2	O/C	NO	11-3-19	
9	East Side W.T. by Multimedia Filters # 3	O/C	NO	11-3-19	
10	East Side W.T. by Multimedia Filters # 5	O/C	NO	11-3-19	
11	North Side Bldg 10 # 6	O/C	NO	11-3-19	
12	Between MP-444's and Water Treat # 4	O/C	NO	—	LOCKED OUT
~~13~~	~~West Side Power Block Valve Shed #1~~	~~O/C~~			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☒	

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information

Plant: Alpha ☒ Beta ☐	Date: 11-2-19
Operator: PHIL TOURGEUS	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☒ Maintenance ☐ Emergency ☐	

Jockey Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Check the jockey pump on pressure drop. Start up pressure: 155

Discharge Pressure: 165

Pump Suction Pressure: 20 Pump Discharge pressure: 165

Comments:

Electric Pump

Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑

Start the pump on pressure drop. Start up pressure: 145

Start time: 21:30

Pump Suction Pressure: 20 Pump Discharge pressure: 155

Stop time: 21:40 Total time running 10MINS

Comments:

Diesel Pump

Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑

Fuel level > 2/3: Yes ☐ No ☑ 50% Monthly Fuel Consumption:

Battery volt Crank 1: 26.7 Battery volt Crank 2: 26.7	Battery Condition: OK
Starting hour meter: 61.0	Start time: 21:45
Oil pressure start: 67	Oil Pressure finish: 44

Pump Suction Pressure: 20 Pump Discharge pressure: 150

Coolant temperature after 30 minutes running: 185

Stop time: 22:15 Stop hour meter: 61.5 Total time running: 30MINS

Comments:

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

his new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25 "Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above

Fuel consumption 27 gal/ h approximately.

here is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 11-3-19 Operator FREUND

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	155	O/C	YES	Y☑ N☐	
2	SG Unit 2	B1-2	160	O/C	YES	Y☑ N☐	
3	Reheaters	B1-3	158	O/C	YES	Y☑ N☐	
4	Rack 2 West HTF	B1-4	154	O/C	YES	Y☑ N☐	
5	Rack 2 East HTF	B1-5	154	O/C	YES	Y☑ N☐	
6	North Steel Pro	B1-6	154	O/C	YES	Y☑ N☐	
7	HTF Pumps	B1-7	33	O/C	YES	Y☑ N☐	
8	HTF Heaters	B1-8	155	O/C	YES	Y☑ N☐	
9	South Steel Pro	B1-9	160	O/C	YES	Y☑ N☐	
10	Lube Oil	B1-10	45	O/C	YES	Y☐ N☒	NO LOCK
11	Turbine Hose Stations	B1-11	49	O/C	YES	Y☑ N☐	
12	Turbine Bearings	B1-12	20	O/C	YES	Y☑ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	180	O/C	YES	Y☑ N☐	
2	Ullage Area	B2-2	182	O/C	YES	Y☑ N☐	
3	Ullage Structure	B2-11	180	O/C	YES	Y☑ N☐	
4	Rack 1 Middle Area	B2-5	200	O/C	YES	Y☑ N☐	
5	Overflow Tanks	B2-9	185	O/C	YES	Y☑ N☐	
6	Rack 1 South Area	B2-6	180	O/C	YES	Y☑ N☐	
7	Rack 1 West	B2-7	195	O/C	YES	Y☑ N☐	
8	Rack 1 North Area	B2-4	178	O/C	YES	Y☑ N☐	
9	Over flow AFFF	B2-8	175	O/C	YES	Y☑ N☐	
10	Expansion Vessel AFFF	B2-3	179	O/C	YES	Y☑ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	157	35	O/C	YES	Y☑ N☐	
2	Transformer Main	153	40	O/C	YES	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System		PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	160	53	O/C	YES	Y☐ N☒	NO LOCK

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5 160	37	O/C	YES	Y☑ N☐	
2	Offices	B4-3 160	43	O/C	YES	Y☑ N☐	
3	Electrical Room	B4-4 157	42	O/C	YES	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	O/C	
2	Bearing 3	Y☑ N☐	O/C	
3	Bearing 4	Y☑ N☐	O/C	
4	Bearing 5	Y☑ N☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☑ N☐	O/C	
2	MP-200A	Y☑ N☐	O/C	
3	MP-200B	Y☑ N☐	O/C	
4	MP-200C	Y☑ N☐	O/C	
5	MP-200D	Y☑ N☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	185	OPEN	Y☑ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C	YES	11-3-19	
2	Maintenance Shop Drive Way #8	O/C	YES	11-3-19	
3	West Side Power Block by VS-3 # 9	O/C	YES	11-3-19	
4	West Side Power Block by VS-1 # 10	O/C	NO	—	PIV HAS BEEN DUG UP FOR REPAIR
5	West Side Cooling Tower by VS-4 # 11	O/C	YES	11-3-19	
6	West side Cooling Tower by VS-4 # 12	O/C	YES	11-3-19	
7	N.W. Corner Chemical Storage #1	O/C	YES	11-3-19	
8	N.E. Corner Chemical Storage # 2	O/C	YES	11-3-19	
9	East Side W.T. by Multimedia Filters # 3	O/C	YES	11-3-19	
10	East Side W.T. by Multimedia Filters # 5	O/C	YES	11-3-19	
11	North Side Bldg 10 # 6	O/C	YES	11-3-19	
12	Between MP-444's and Water Treat # 4	O/C	NO	—	LOCKED OUT
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☑		

ABENGOA

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information	
Plant: Alpha ☑ Beta ☐	Date: 10-25-19
Operator: FREUND	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump	
Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑	
Check the jockey pump on pressure drop. Start up pressure: 155	
Discharge Pressure: 164	
Pump Suction Pressure: 20	Pump Discharge pressure: 164
Comments:	

Electric Pump	
Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑	
Start the pump on pressure drop. Start up pressure: 145	
Start time: 2213	
Pump Suction Pressure: 20	Pump Discharge pressure: 164
Stop time: 2223	Total time running 10 MIN
Comments:	

Diesel Pump		
Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑		
Fuel level > 2/3: Yes ☐ No ☑ 1/2 TANK		Monthly Fuel Consumption:
Battery volt Crank 1:	Battery volt Crank 2:	Battery Condition: OK
Starting hour meter: 60.4		Start time: 2227 Start up pressure: 135
Oil pressure start: 68		Oil Pressure finish: 45
Pump Suction Pressure: 20		Pump Discharge pressure: 166
Coolant temperature after 30 minutes running: 178		
Stop time: 2257	Stop hour meter: 60.9	Total time running: 30 MIN
Comments:		

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

This new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

Atlantica
Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☑ BETA: ☐ Date: 10-27-19 Operator: PHIL TOWELLS

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	170	O/C	✓	Y☑ N☐	
2	SG Unit 2	B1-2	170	O/C	✓	Y☑ N☐	
3	Reheaters	B1-3	170	O/C	✓	Y☑ N☐	
4	Rack 2 West HTF	B1-4	170	O/C	✓	Y☑ N☐	
5	Rack 2 East HTF	B1-5	170	O/C	✓	Y☑ N☐	
6	North Steel Pro	B1-6	170	O/C	✓	Y☑ N☐	
7	HTF Pumps	B1-7	170	O/C	✓	Y☑ N☐	
8	HTF Heaters	B1-8	170	O/C	✓	Y☑ N☐	
9	South Steel Pro	B1-9	170	O/C	✓	Y☑ N☐	
10	Lube Oil	B1-10	175	O/C	✓	Y☐ N☑	
11	Turbine Hose Stations	B1-11	175	O/C	✓	Y☑ N☐	
12	Turbine Bearings	B1-12	175	O/C	✓	Y☑ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessel	B2-1	175	O/C	✓	Y☑ N☐	
2	Ullage Area	B2-2	175	O/C	✓	Y☑ N☐	
3	Ullage Structure	B2-11	175	O/C	✓	Y☑ N☐	
4	Rack 1 Middle Area	B2-5	170	O/C	✓	Y☑ N☐	
5	Overflow Tanks	B2-9	170	O/C	✓	Y☑ N☐	
6	Rack 1 South Area	B2-6	170	O/C	✓	Y☑ N☐	
7	Rack 1 West	B2-7	175	O/C	✓	Y☑ N☐	
8	Rack 1 North Area	B2-4	170	O/C	✓	Y☑ N☐	
9	Over flow AFFF	B2-8	170	O/C	✓	Y☑ N☐	
10	Expansion Vessel AFFF	B2-3	170	O/C	✓	Y☑ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	165	O/C	✓	Y☑ N☐	
2	Transformer Main	165	O/C	✓	Y☑ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	165	O/C	✓	Y☑ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	165	O/C	✓	Y☑ N☐	
2	Offices	B4-3	165	O/C	✓	Y☑ N☐	
3	Electrical Room	B4-4	165	O/C	✓	Y☑ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☑ N☐	O/C	
2	Bearing 3	Y☑ N☐	O/C	
3	Bearing 4	Y☑ N☐	O/C	
4	Bearing 5	Y☑ N☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☑ N☐	O/C	
2	MP-200A	Y☑ N☐	O/C	
3	MP-200B	Y☑ N☐	O/C	
4	MP-200C	Y☑ N☐	O/C	
5	MP-200D	Y☑ N☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	165	O/C	Y☐ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	[illegible]	N/A		N/A

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☑		

ABENGOA

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information	
Plant: Alpha ☑ Beta ☐	Date: 10-19-19
Operator: FREUND	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump		
Pre-start Inspection: Electrical Feed ☑	Mechanical ☑	Valves ☑
Check the jockey pump on pressure drop. Start up pressure: 155		
Discharge Pressure: 163		
Pump Suction Pressure: 20	Pump Discharge pressure: 163	
Comments:		

Electric Pump		
Pre-start Inspection: Electrical Feed ☑	Mechanical ☑	Valves ☑
Start the pump on pressure drop. Start up pressure: 145		
Start time: 2045		
Pump Suction Pressure: 20	Pump Discharge pressure: 164	
Stop time: 2055	Total time running 10 MIN	
Comments:		

Diesel Pump				
Pre-start Inspection: Coolant ☑	Oil ☑	Mechanical ☑	Valves ☑	Water Jacket Heater ☑
Fuel level > 2/3: Yes ☐ No ☑	1/2 TANK	Monthly Fuel Consumption:		
Battery volt Crank 1:	Battery volt Crank 2:		Battery Condition: OK	
Starting hour meter: 60.0			Start time: 2057	
Oil pressure start: 61			Oil Pressure finish:	
Pump Suction Pressure: 20	Pump Discharge pressure: 165			
Coolant temperature after 30 minutes running: 178				
Stop time: 2127	Stop hour meter: 60.4	Total time running: 30 MIN		
Comments:				

Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).

This new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

ABENGOA

AMERICA

Automated Fire Systems Inspection Checklist

Mojave Solar Project

Plant: ALPHA [X] BETA [ ] Date: 10-19-19 Operator PHIL TOURGAIS

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	165	O/C		Y / N	
2	SG Unit 2	B1-2	165	O/C		Y / N	
3	Reheaters	B1-3	165	O/C		Y / N	
4	Rack 2 West HTF	B1-4	165	O/C		Y / N	
5	Rack 2 East HTF	B1-5	160	O/C		Y / N	
6	North Steel Pro	B1-6	160	O/C		Y / N	
7	HTF Pumps	B1-7	165	O/C		Y / N	
8	HTF Heaters	B1-8	165	O/C		Y / N	
9	South Steel Pro	B1-9	165	O/C		Y / N	
10	Lube Oil	B1-10	165	O/C		Y / N	
11	Turbine Hose Stations	B1-11	165	O/C		Y / N	
12	Turbine Bearings	B1-12	165	O/C		Y / N	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	165	O/C		Y / N	
2	Ullage Area	B2-2	165	O/C		Y / N	
3	Ullage Structure	B2-11	165	O/C		Y / N	
4	Rack 1 Middle Area	B2-5	165	O/C		Y / N	
5	Overflow Tanks	B2-9	160	O/C		Y / N	
6	Rack 1 South Area	B2-6	160	O/C		Y / N	
7	Rack 1 West	B2-7	160	O/C		Y / N	
8	Rack 1 North Area	B2-4	160	O/C		Y / N	
9	Over flow AFFF	B2-8	165	O/C		Y / N	
10	Expansion Vessel AFFF	B2-3	165	O/C		Y / N	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	160	O/C		Y N	
2	Transformer Main	160	O/C		Y N	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Cooling Tower West Side	165	O/C		Y N	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	165	O/C		Y / N	
2	Offices	B4-3	165	O/C		Y / N	
3	Electrical Room	B4-4	165	O/C		Y / N	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y / N	O/C	
2	Bearing 3	Y / N	O/C	
3	Bearing 4	Y / N	O/C	
4	Bearing 5	Y / N	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y / N	O/C	
2	MP-200A	Y / N	O/C	
3	MP-200B	Y / N	O/C	
4	MP-200C	Y / N	O/C	
5	MP-200D	Y / N	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	165	O/C	Y / N	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C	X		
2	Maintenance Shop Drive Way #8	O/C	X		
3	West Side Power Block by VS-3 # 9	O/C	X		
4	West Side Power Block by VS-1 # 10	O/C	X		
5	West Side Cooling Tower by VS-4 # 11	O/C	X		
6	West side Cooling Tower by VS-4 # 12	O/C	X		
7	N.W. Corner Chemical Storage #1	O/C	X		
8	N.E. Corner Chemical Storage # 2	O/C	X		
9	East Side W.T. by Multimedia Filters # 3	O/C	X		
10	East Side W.T. by Multimedia Filters # 5	O/C	X		
11	North Side Bldg 10 # 6	O/C	X		
12	Between MP-444's and Water Treat # 4	O/C	X		
13	West Side Power Block Valve Shed #1	O/C	X		N/A

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Ullage Check	Y N	

ABENGOA

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information	
Plant: Alpha ☑ Beta ☐	Date: 10-12-19
Operator: Mike Hinton	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	
Jockey Electric Pump	
Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑	
Check the jockey pump on pressure drop. Start up pressure: 150	
Discharge Pressure: 165	
Pump Suction Pressure: 7	Pump Discharge pressure: 165
Comments:	
Electric Pump	
Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑	
Start the pump on pressure drop. Start up pressure: 145	
Start time: 1710	
Pump Suction Pressure: 14	Pump Discharge pressure: 165
Stop time: 1720	Total time running 10 mins
Comments:	
Diesel Pump	
Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑	
Fuel level > 2/3: Yes ☑ No ☐	Monthly Fuel Consumption:
Battery volt Crank 1: 27.1 Battery volt Crank 2: 27.2	Battery Condition: Normal
Starting hour meter: 59.6	Start time: 1727
Oil pressure start: 66	Oil Pressure finish: ~~66~~ 44
Pump Suction Pressure: 8	Pump Discharge pressure: 165
Coolant temperature after 30 minutes running: 190	
Stop time: 1757	Stop hour meter: ~~59.6~~ 60 Total time running: 30 mins
Comments:	
Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).	
This new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above. Note: Fuel consumption 27 gal/h approximately. There is no limit on engine operation for emergency use. [Title 17 CCR93115.6(a)(4)]	

ABENGOA

NORTH AMERICA

Automated Fire Systems Inspection Checklist

Mojave Solar Project

Plant: ALPHA ☑ BETA ☐ Date: 10/11/19 Operator: Rico

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	160	O/C		Y ✓ N	
2	SG Unit 2	B1-2	150	O/C		Y ✓ N	
3	Reheaters	B1-3	160	O/C		Y ✓ N	
4	Rack 2 West HTF	B1-4	150	O/C		Y ✓ N	
5	Rack 2 East HTF	B1-5	155	O/C		Y ✓ N	
6	North Steel Pro	B1-6	190	O/C		Y ✓ N	
7	HTF Pumps	B1-7	170	O/C		Y ✓ N	
8	HTF Heaters	B1-8	160	O/C		Y ✓ N	
9	South Steel Pro	B1-9	160	O/C		Y ✓ N	
10	Lube Oil	B1-10	155	O/C		Y ✓ N	
11	Turbine Hose Stations	B1-11	155	O/C		Y ✓ N	
12	Turbine Bearings	B1-12	155	O/C		Y ✓ N	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	170	O/C		Y ✓ N	
2	Ullage Area	B2-2	160	O/C		Y ✓ N	
3	Ullage Structure	B2-11	165	O/C		Y ✓ N	
4	Rack 1 Middle Area	B2-5	160	O/C		Y ✓ N	
5	Overflow Tanks	B2-9	160	O/C		Y ✓ N	
6	Rack 1 South Area	B2-6	165	O/C		Y ✓ N	
7	Rack 1 West	B2-7	160	O/C		Y ✓ N	
8	Rack 1 North Area	B2-4	155	O/C		Y ✓ N	
9	Over flow AFFF	B2-8	175	O/C		Y ✓ N	
10	Expansion Vessel AFFF	B2-3	155	O/C		Y ✓ N	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	165	O/C	✓	Y ✓ N	
2	Transformer Main	165	O/C	✓	Y ✓ N	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side		O/C		Y ✓ N	

Valve Shed # 5 by Control Bldg TG

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	O/C		Y ✓ N	
2	Offices	B4-3	165	O/C		Y ✓ N	
3	Electrical Room	B4-4	160	O/C		Y ✓ N	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ✓ N	O/C	
2	Bearing 3	Y ✓ N	O/C	
3	Bearing 4	Y ✓ N	O/C	
4	Bearing 5	Y ✓ N	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ✓ N	O/C	
2	MP-200A	Y ✓ N	O/C	
3	MP-200B	Y ✓ N	O/C	
4	MP-200C	Y ✓ N	O/C	
5	MP-200D	Y ✓ N	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	170	OPEN	Y ✓ N	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C			
2	Maintenance Shop Drive Way #8	O/C			
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 5	O/C			
12	Between MP-440's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ✓	

ABENGOA

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information			
Plant: Alpha ☑ Beta ☐		Date: 10/5/19	
Operator: Rico		*To be completed each time unit is operated.	
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐			
Jockey Electric Pump			
Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑			
Check the jockey pump on pressure drop. Start up pressure: 155			
Discharge Pressure: N/A			
Pump Suction Pressure: 25		Pump Discharge pressure: 20	
Comments:			
Electric Pump			
Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑			
Start the pump on pressure drop. Start up pressure: 164			
Start time: 6:45 pm			
Pump Suction Pressure: 25		Pump Discharge pressure: 150	
Stop time: 6:55 pm	Total time running 10 min		
Comments:			
Diesel Pump			
Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑			
Fuel level > 2/3: Yes ☐ No ☐		Monthly Fuel Consumption:	
Battery volt Crank 1: 27.1	Battery volt Crank 2: 27.1	Battery Condition: good	
Starting hour meter: 59.2		Start time: 7:00 pm	
Oil pressure start: 72		Oil Pressure finish: 44 psi	
Pump Suction Pressure: 25		Pump Discharge pressure: 150	
Coolant temperature after 30 minutes running: 190°F			
Stop time: 7:30 pm	Stop hour meter: 59.6	Total time running: 30 min	
Comments: Charge Air cooler Temp high out of Range			
Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).			

This new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

ABENGOA

NORTH AMERICA

Automated Fire Systems Inspection Checklist

Mojave Solar Project

Plant: ALPHA ☑ BETA ☐ Date: 10-05-19 Operator: Hinton

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	165	O/C	✓	Y ✓ N ☐	
2	SG Unit 2	B1-2	165	O/C	✓	Y ✓ N ☐	
3	Reheaters	B1-3	170	O/C	✓	Y ✓ N ☐	
4	Rack 2 West HTF	B1-4	175	O/C	✓	Y ✓ N ☐	
5	Rack 2 East HTF	B1-5	175	O/C	✓	Y ✓ N ☐	
6	North Steel Pro	B1-6	175	O/C	✓	Y ✓ N ☐	
7	HTF Pumps	B1-7	175	O/C	✓	Y ✓ N ☐	
8	HTF Heaters	B1-8	170	O/C	✓	Y ✓ N ☐	
9	South Steel Pro	B1-9	170	O/C	✓	Y ✓ N ☐	
10	Lube Oil	B1-10	175	O/C	✓	Y ✓ N ☐	
11	Turbine Hose Stations	B1-11	175	O/C	✓	Y ✓ N ☐	
12	Turbine Bearings	B1-12	170	O/C	✓	Y ✓ N ☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	175	O/C	✓	Y ✓ N ☐	
2	Ullage Area	B2-2	175	O/C	✓	Y ✓ N ☐	
3	Ullage Structure	B2-11	175	O/C	✓	Y ✓ N ☐	
4	Rack 1 Middle Area	B2-5	170	O/C	✓	Y ✓ N ☐	
5	Overflow Tanks	B2-9	170	O/C	✓	Y ✓ N ☐	
6	Rack 1 South Area	B2-6	170	O/C	✓	Y ✓ N ☐	
7	Rack 1 West	B2-7	175	O/C	✓	Y ✓ N ☐	
8	Rack 1 North Area	B2-4	175	O/C	✓	Y ✓ N ☐	
9	Over flow AFFF	B2-8	165	O/C	✓	Y ✓ N ☐	
10	Expansion Vessel AFFF	B2-3	170	O/C	✓	Y ✓ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	170	O/C	✓	Y ✓ N ☐	
2	Transformer Main	170	O/C	✓	Y ✓ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	165	O/C	✓	Y ✓ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	170	O/C	✓	Y ✓ N ☐	
2	Offices	B4-3	175	O/C	✓	Y ✓ N ☐	
3	Electrical Room	B4-4	165	O/C	✓	Y ✓ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ✓ N ☐	O/C	
2	Bearing 3	Y ✓ N ☐	O/C	
3	Bearing 4	Y ✓ N ☐	O/C	
4	Bearing 5	Y ✓ N ☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ✓ N ☐	O/C	
2	MP-200A	Y ✓ N ☐	O/C	
3	MP-200B	Y ✓ N ☐	O/C	
4	MP-200C	Y ✓ N ☐	O/C	
5	MP-200D	Y ✓ N ☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge			Y N	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C	Yes	10-5	
2	Maintenance Shop Drive Way #8	O/C	↓	↓	
3	West Side Power Block by VS-3 # 9	O/C	↓	↓	
4	West Side Power Block by VS-1 # 10	O/C	↓	↓	
5	West Side Cooling Tower by VS-4 # 11	O/C	↓	↓	
6	West side Cooling Tower by VS-4 # 12	O/C	↓	↓	
7	N.W. Corner Chemical Storage #1	O/C	↓	↓	
8	N.E. Corner Chemical Storage # 2	O/C	↓	↓	
9	East Side W.T. by Multimedia Filters # 3	O/C	↓	↓	
10	East Side W.T. by Multimedia Filters # 5	O/C	↓	↓	
11	North Side Bldg 10 # 6	O/C	↓	↓	
12	Between MP-444's and Water Treat # 4	O/C	No	NO	
13	~~West Side Power Block Valve Shed #1~~ N/A	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris	Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ✓	

ABENGOA

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information	
Plant: Alpha ☑ Beta ☐	Date:
Operator: Rico	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	

Jockey Electric Pump		
Pre-start Inspection: Electrical Feed ☑	Mechanical ☑	Valves ☑
Check the jockey pump on pressure drop. Start up pressure: 155		
Discharge Pressure: N/A		
Pump Suction Pressure: 20	Pump Discharge pressure: 20	
Comments:		

Electric Pump		
Pre-start Inspection: Electrical Feed ☑	Mechanical ☑	Valves ☑
Start the pump on pressure drop. Start up pressure: 165		
Start time: 6:50 pm		
Pump Suction Pressure: 25	Pump Discharge pressure: 150	
Stop time: 7:00 pm	Total time running 10 min	
Comments:		

Diesel Pump				
Pre-start Inspection: Coolant ☑	Oil ☑	Mechanical ☑	Valves ☑	Water Jacket Heater ☑
Fuel level > 2/3: Yes ☐ No ☐	Monthly Fuel Consumption:			
Battery volt Crank 1: 27.2	Battery volt Crank 2: 27.2	Battery Condition: good		
Starting hour meter: 58.8		Start time: 701		
Oil pressure start: 72 psi		Oil Pressure finish: 44		
Pump Suction Pressure: 25	Pump Discharge pressure: 150			
Coolant temperature after 30 minutes running: 190°F				
Stop time: 7:31 pm	Stop hour meter:	Total time running: 30 min		
Comments: Charge Air cooler Temp out of Range Sen# 520192				
Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).				

This new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115 6(a)(4)]

Sustainable Infrastructure

Mojave Solar LLC

Automated Fire Systems Inspection Checklist

Plant: ALPHA ☐ BETA: ☒ Date: 9-27-28-19 Operator: Shell

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	160	O/C	YES	Y☒ N☐	
2	SG Unit 2	B1-2	155	O/C	YES	Y☒ N☐	
3	Reheaters	B1-3	160	O/C	YES	Y☒ N☐	
4	Rack 2 West HTF	B1-4	158	O/C	YES	Y☒ N☐	
5	Rack 2 East HTF	B1-5	155	O/C	YES	Y☒ N☐	
6	North Steel Pro	B1-6	155	O/C	YES	Y☒ N☐	
7	HTF Pumps	B1-7	155	O/C	YES	Y☒ N☐	
8	HTF Heaters	B1-8	155	O/C	YES	Y☒ N☐	
9	South Steel Pro	B1-9	160	O/C	YES	Y☒ N☐	
10	Lube Oil	B1-10	160	O/C	YES	Y☒ N☐	
11	Turbine Hose Stations	B1-11	160	O/C	YES	Y☒ N☐	
12	Turbine Bearings	B1-12	160	O/C	YES	Y☒ N☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	165	O/C	YES	Y☒ N☐	
2	Ullage Area	B2-2	160	O/C	YES	Y☒ N☐	
3	Ullage Structure	B2-11	162	O/C	YES	Y☒ N☐	
4	Rack 1 Middle Area	B2-5	165	O/C	YES	Y☒ N☐	
5	Overflow Tanks	B2-9	160	O/C	YES	Y☒ N☐	
6	Rack 1 South Area	B2-6	160	O/C	YES	Y☒ N☐	
7	Rack 1 West	B2-7	160	O/C	YES	Y☒ N☐	
8	Rack 1 North Area	B2-4	165	O/C	YES	Y☒ N☐	
9	Over flow AFFF	B2-8	165	O/C	YES	Y☒ N☐	
10	Expansion Vesse AFFF	B2-3	160	O/C	YES	Y☒ N☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	158	O/C	YES	Y☒ N☐	
2	Transformer Main	158	O/C	YES	Y☒ N☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	163	O/C	YES	Y☒ N☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	O/C	YES	Y☒ N☐	
2	Offices	B4-3	160	O/C	YES	Y☒ N☐	
3	Electrical Room	B4-4	160	O/C	YES	Y☒ N☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y☒ N☐	O/C	
2	Bearing 3	Y☒ N☐	O/C	
3	Bearing 4	Y☒ N☐	O/C	
4	Bearing 5	Y☒ N☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y☒ N☐	O/C	
2	MP-200A	Y☒ N☐	O/C	
3	MP-200B	Y☒ N☐	O/C	
4	MP-200C	Y☒ N☐	O/C	
5	MP-200D	Y☒ N☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	145	O	Y☒ N☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C	No	/	
2	Maintenance Shop Drive Way #8	O/C	No		
3	West Side Power Block by VS-3 # 9	O/C	No		
4	West Side Power Block by VS-1 # 10	O/C	No		
5	West Side Cooling Tower by VS-4 # 11	O/C	No		
6	West side Cooling Tower by VS-4 # 12	O/C	No		
7	N.W. Corner Chemical Storage #	O/C	No		
8	N.E. Corner Chemical Storage # 2	O/C	No		
9	East Side W.T. by Multimedia Filters # 3	O/C	No		
10	East Side W.T. by Multimedia Filters # 5	O/C	No		
11	North Side Bldg 10 # 6	O/C	No		
12	Between MP-444's and Water Treat # 4	O/C	No		
13	West Side Power Block Valve Shed #1	O/C	No		

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y☐ N☒		

ABENGOA

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information	
Plant: Alpha ☑ Beta ☐	Date: 9-21-19
Operator: Mike Hinton	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	
Jockey Electric Pump	
Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑	
Check the jockey pump on pressure drop. Start up pressure: 155	
Discharge Pressure: 165	
Pump Suction Pressure: N/A	Pump Discharge pressure: 165
Comments:	
Electric Pump	
Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑	
Start the pump on pressure drop. Start up pressure: 145	
Start time: 1830	
Pump Suction Pressure: 10	Pump Discharge pressure: 165
Stop time: 1840	Total time running 10 mins
Comments:	
Diesel Pump	
Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑	
Fuel level > 2/3: Yes ☑ No ☐	Monthly Fuel Consumption:
Battery volt Crank 1: 27.3 Battery volt Crank 2: 27.3	Battery Condition: Normal
Starting hour meter: 58.3	Start time: 1840
Oil pressure start: 66	Oil Pressure finish: 44
Pump Suction Pressure: ~~15~~ 15	Pump Discharge pressure: 165
Coolant temperature after 30 minutes running: 192	
Stop time: 1910	Stop hour meter: 58.8 Total time running: 30 mins
Comments:	
Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).	

This new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR 93115.6(a)(4)]

ABENGOA

NORTH AMERICA

Automated Fire Systems Inspection Checklist

Mojave Solar Project

Plant: ALPHA ☑ BETA ☐ Date: 9/20/19 Operator Rico

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	170	O/C	✓	Y ✓ N ☐	
2	SG Unit 2	B1-2	175	O/C	✓	Y ✓ N ☐	
3	Reheaters	B1-3	175	O/C	✓	Y ✓ N ☐	
4	Rack 2 West HTF	B1-4	170	O/C	✓	Y ✓ N ☐	
5	Rack 2 East HTF	B1-5	165	O/C	✓	Y ✓ N ☐	
6	North Steel Pro	B1-6	170	O/C	✓	Y ✓ N ☐	
7	HTF Pumps	B1-7	175	O/C	✓	Y ✓ N ☐	
8	HTF Heaters	B1-8	170	O/C	✓	Y ✓ N ☐	
9	South Steel Pro	B1-9	174	O/C	✓	Y ✓ N ☐	
10	Lube Oil	B1-10	165	O/C	✓	Y ☐ N ✓	Valve broke open
11	Turbine Hose Stations	B1-11	165	O/C	✓	Y ✓ N ☐	
12	Turbine Bearings	B1-12	170	O/C	✓	Y ✓ N ☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	175	O/C	✓	Y ✓ N ☐	
2	Ullage Area	B2-2	175	O/C	✓	Y ✓ N ☐	
3	Ullage Structure	B2-11	175	O/C	✓	Y ✓ N ☐	
4	Rack 1 Middle Area	B2-5	163	O/C	✓	Y ✓ N ☐	
5	Overflow Tanks	B2-9	175	O/C	✓	Y ✓ N ☐	
6	Rack 1 South Area	B2-6	172	O/C	✓	Y ✓ N ☐	
7	Rack 1 West	B2-7	170	O/C	✓	Y ✓ N ☐	
8	Rack 1 North Area	B2-4	170	O/C	✓	Y ✓ N ☐	
9	Over flow AFFF	B2-8	175	O/C	✓	Y ✓ N ☐	
10	Expansion Vessel AFFF	B2-3	175	O/C	✓	Y ✓ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	175	O/C	✓	Y ✓ N ☐	
2	Transformer Main	175	O/C	✓	Y ✓ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	175	O/C	✓	Y ✓ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	170	O/C	✓	Y ✓ N ☐	
2	Offices	B4-3	165	O/C	✓	Y ✓ N ☐	
3	Electrical Room	B4-4	170	O/C	✓	Y ✓ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ✓ N ☐	O/C	
2	Bearing 3	Y ✓ N ☐	O/C	
3	Bearing 4	Y ✓ N ☐	O/C	
4	Bearing 5	Y ✓ N ☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ✓ N ☐	O/C	
2	MP-200A	Y ✓ N ☐	O/C	
3	MP-200B	Y ✓ N ☐	O/C	
4	MP-200C	Y ✓ N ☐	O/C	
5	MP-200D	Y ✓ N ☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	170	O/C	Y ✓ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C	✓		
2	Maintenance Shop Drive Way #8	O/C	✓		
3	West Side Power Block by VS-3 # 9	O/C			
4	West Side Power Block by VS-1 # 10	O/C			
5	West Side Cooling Tower by VS-4 # 11	O/C			
6	West side Cooling Tower by VS-4 # 12	O/C			
7	N.W. Corner Chemical Storage #1	O/C			
8	N.E. Corner Chemical Storage # 2	O/C			
9	East Side W.T. by Multimedia Filters # 3	O/C			
10	East Side W.T. by Multimedia Filters # 5	O/C			
11	North Side Bldg 10 # 6	O/C			
12	Between MP-444's and Water Treat # 4	O/C			
13	West Side Power Block Valve Shed #1	O/C			

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ✓		

ABENGOA

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information	
Plant: Alpha ☑ Beta ☐	Date: 9-15-19
Operator: PHIL TOURGEAU	*To be completed each time unit is operated.
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	
Jockey Electric Pump	
Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑	
Check the jockey pump on pressure drop. Start up pressure: 155	
Discharge Pressure: 165	
Pump Suction Pressure: 20	Pump Discharge pressure: 165
Comments:	
Electric Pump	
Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☐	
Start the pump on pressure drop. Start up pressure: 145	
Start time: 0650	
Pump Suction Pressure: 20	Pump Discharge pressure: 155
Stop time: 0700	Total time running 10MINS
Comments:	
Diesel Pump	
Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☐ Water Jacket Heater ☑	
Fuel level > 2/3: Yes ☐ No ☑ 50%	Monthly Fuel Consumption:
Battery volt Crank 1: 26.7 Battery volt Crank 2: 26.7	Battery Condition: GOOD
Starting hour meter: 57.8	Start time: 0630
Oil pressure start: 61	Oil Pressure finish: 44
Pump Suction Pressure: 20	Pump Discharge pressure: 150
Coolant temperature after 30 minutes running:	
Stop time: 0648 Stop hour meter: 58	Total time running: 18MINS
Comments:	
Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).	

This new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/h approximately.

There is no limit on engine operation for emergency use. [Title 17 CCR§3115.6(a)(4)]

ABENGOA

NORTH AMERICA

Automated Fire Systems Inspection Checklist

Mojave Solar Project

Plant: ALPHA ☑ BETA ☐ Date: 9-15-14 Operator PHIL TOURBEVILLE

Valve Shed # 1 by Condenser

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	SG Unit 1	B1-1	166	O/C	✓	Y ☑ N ☐	
2	SG Unit 2	B1-2	165	O/C	✓	Y ✓ N ☐	
3	Reheaters	B1-3	165	O/C	✓	Y ✓ N ☐	
4	Rack 2 West HTF	B1-4	161	O/C	—	Y ✓ N ☐	
5	Rack 2 East HTF	B1-5	165	O/C	✓	Y ✓ N ☐	
6	North Steel Pro	B1-6	160	O/C	✓	Y ✓ N ☐	
7	HTF Pumps	B1-7	160	O/C	✓	Y ✓ N ☐	
8	HTF Heaters	B1-8	165	O/C	✓	Y ✓ N ☐	
9	South Steel Pro	B1-9	165	O/C	✓	Y ✓ N ☐	
10	Lube Oil	B1-10	160	O/C	✓	Y ✓ N ☐	
11	Turbine Hose Stations	B1-11	165	O/C	✓	Y ✓ N ☐	
12	Turbine Bearings	B1-12	165	O/C	✓	Y ✓ N ☐	

Valve Shed # 2 by Overflow

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Expansion Vessels	B2-1	230	O/C	✓	Y ✓ N ☐	
2	Ullage Area	B2-2	230	O/C	—	Y ✓ N ☐	
3	Ullage Structure	B2-11	230	O/C	—	Y ✓ N ☐	
4	Rack 1 Middle Area	B2-5	230	O/C	—	Y ✓ N ☐	
5	Overflow Tanks	B2-9	230	O/C	✓	Y ✓ N ☐	
6	Rack 1 South Area	B2-6	230	O/C	✓	Y ✓ N ☐	
7	Rack 1 West	B2-7	230	O/C	✓	Y ✓ N ☐	
8	Rack 1 North Area	B2-4	230	O/C	✓	Y ✓ N ☐	
9	Over flow AFFF	B2-8	230	O/C	—	Y ✓ N ☐	
10	Expansion Vessel AFFF	B2-3	230	O/C	✓	Y ✓ N ☐	

Valve Shed # 3 by Bldg 35 GE Electrical Bldg

No.	System	PSI	Viv. Pos.	Signage	Locked	Comments
1	Transformer Aux	165	O/C		Y ✓ N ☐	
2	Transformer Main	165	O/C		Y ✓ N ☐	

Valve Shed # 4 by Cooling Tower West Side

No.	System	PSI	Viv. Pos.	Signage		Comments
1	Cooling Tower West Side	163	O/C		Y ✓ N ☐	

Valve Shed # 5 by Control Bldg 10

No.	System		PSI	Viv. Pos.	Signage	Locked	Comments
1	Control Room	B4-5	160	O/C	✓	Y ✓ N ☐	
2	Offices	B4-3	160	O/C	✓	Y ✓ N ☐	
3	Electrical Room	B4-4	160	O/C	✓	Y ✓ N ☐	

Turbine Sprinkler Valves (These are to be locked in the open position)

No.	System	Locked	Viv. Pos.	Comments
1	Bearing 2	Y ✓ N ☐	O/C	
2	Bearing 3	Y ✓ N ☐	O/C	
3	Bearing 4	Y ✓ N ☐	O/C	
4	Bearing 5	Y ✓ N ☐	O/C	

HTF Deluge System Valves (To be Locked in the Open Position)

No.	System	Locked	Viv. Pos.	Comments
1	MP-201	Y ✓ N ☐	O/C	
2	MP-200A	Y ✓ N ☐	O/C	
3	MP-200B	Y ✓ N ☐	O/C	
4	MP-200C	Y ✓ N ☐	O/C	
5	MP-200D	Y ✓ N ☐	O/C	

Fire Pump House Deluge System

No.	System	PSI	O/C	Locked	Comments
1	Fire Pump House Deluge	165	O	Y ✓ N ☐	

PIV Checks

No.	System	Position	Cycled	Date Cycled	Comments
1	Maintenance Shop Drive Way #7	O/C	N		
2	Maintenance Shop Drive Way #8	O/C	N		
3	West Side Power Block by VS-3 # 9	O/C	N		
4	West Side Power Block by VS-1 # 10	O/C	N		
5	West Side Cooling Tower by VS-4 # 11	O/C	N		
6	West side Cooling Tower by VS-4 # 12	O/C	N		
7	N.W. Corner Chemical Storage #1	O/C	N		
8	N.E. Corner Chemical Storage # 2	O/C	N		
9	East Side W.T. by Multimedia Filters # 3	O/C	N		
10	East Side W.T. by Multimedia Filters # 5	O/C	N		
11	North Side Bldg 10 # 6	O/C	N		
12	Between MP-444 s and Water Treat # 4	O/C	N		
13	West Side Power Block Valve Shed #1	O/C	—	—	N/A

To Be Cycled First Saturday of Every Month

No.	System	Debris		Comments / Actions
1	Transformer Yard Refuse Check	Y ☐ N ☐		

ABENGOA

Mojave Solar LLC

Fire Pump Weekly Test Log

General Information	
Plant: Alpha ☐ Beta ☑	Date: 9-8-19
Operator: Caleb Sowards	*To be completed each time unit is operated
Reason for running pumps: Weekly test ☑ Maintenance ☐ Emergency ☐	
Jockey Electric Pump	
Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑	
Check the jockey pump on pressure drop. Start up pressure: 155	
Discharge Pressure: 166	
Pump Suction Pressure: 15	Pump Discharge pressure: 166
Comments:	
Electric Pump	
Pre-start Inspection: Electrical Feed ☑ Mechanical ☑ Valves ☑	
Start the pump on pressure drop. Start up pressure: 145	
Start time: 1430	
Pump Suction Pressure: 15	Pump Discharge pressure: 163
Stop time: 1440	Total time running 10 min
Comments:	
Diesel Pump	
Pre-start Inspection: Coolant ☑ Oil ☑ Mechanical ☑ Valves ☑ Water Jacket Heater ☑	
Fuel level > 2/3: Yes ☐ No ☑ 1/2	Monthly Fuel Consumption:
Battery volt Crank 1: 26 Battery volt Crank 2: 26	Battery Condition: good
Starting hour meter: 76.7	Start time: 1450
Oil pressure start: 66	Oil Pressure finish: 40
Pump Suction Pressure: 15	Pump Discharge pressure: 155
Coolant temperature after 30 minutes running: 189	
Stop time: 1520	Stop hour meter: 68.2 Total time running: 30 min
Comments:	
Sulfur Concentrations (less than or equal to 0.0015% on a weight per weight basis).	

This new direct drive fire pump engine shall be limited to use for emergency fire suppression, defined as in response to a fire or due to low fire water pressure. In addition, this engine shall be operated no more than 30 minutes in any one hour and no more than 10 hours per year for initial start-up testing and compliance demonstrations. Additionally, this engine shall not be operated more than the number of hours necessary to comply with the testing requirements of the National Fire Protection Association (NFPA) 25-"Standards for the Inspection, Testing, and Maintenance of Water Based Fire Systems" (current edition). The hours of operation for source testing will not be counted towards either of the allowable annual limits above.

Note: Fuel consumption 27 gal/ h approximately.

There is no limit on engine operation for emergency use. (Title 17 CCR 93115.6(a)(4))