

DOCKETED

Docket Number:	09-AFC-05C
Project Title:	Abengoa Mojave Compliance
TN #:	231215
Document Title:	Mojave Solar Project 2018 annual report
Description:	N/A
Filer:	Jose Manuel Bravo Romero
Organization:	Mojave Solar Project
Submitter Role:	Applicant
Submission Date:	12/13/2019 1:57:34 PM
Docketed Date:	12/13/2019

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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 2018 Annual Compliance Report
Submittal Number: COMPLIANCE7-02-00
Distribution: Keith Winstead, CEC; Kara Harris, US DOE; Wendy Campbell, CDFW; Ray Bransfield, USFWS; Thomas Dietsch, USFWS

2/28/2019

Keith Winstead, CPM
California Energy Commission
1516 Ninth Street
Sacramento, California 95814
keith.winstead@energy.ca.gov

Dear Mr. Winstead,

The attached Mojave Solar Project 2018 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

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ASI Operations LLC
Mojave Solar Project

42134 Harper Lake Rd
Hinkley, CA 92347
(303) 378-7302

jmanuel.bravo@abengoa.com

Attachment: 09-AFC-5C Mojave Solar Project 2018 Annual Compliance Report.

**09-AFC-5C Mojave Solar Project
Annual Compliance Report
2018 reporting period**



Prepared by:

Abengoa Solar Industrial Operations LLC.

for

Mojave Solar LLC

42134 Harper Lake Road
Hinkley, California 92347

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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 – 2018. January-December 2018
Submittal Number: COMPLIANCE7-02-00

2/28/2019

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 third 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;

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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 Abengoa Solar Inc. Operation Jose Manuel Bravo Romero Compliance, Quality and Environment Department Manager and Dale Rundquist, Compliance Project Manager from the California Energy Commission for Mojave Solar Project. 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 2018 to December 2018 are summarized on the below table:

MSP Submittals, Updates & Approvals			
Date	Sub/App	CEC Condition	Issue
4/6/2018	Submittal	AQ54-03-00	AQ54-03-00 MDAQMD Rule 461 Testing Notification Form Gasoline Dispensing Tank V
4/26/2018	Submittal	AQ54-03-01	AQ54-03-01 Gasoline Dispensing Tank Vapor Recovery Test results
1/12/2018	Submittal	AQ58-01-00	AQ58-01-00 Annual Fuel Throughput 2017
1/9/2018	Submittal	AQ70-03-00	AQ70-03-00, PTO's C012015 and C012016 Annual emission report submittal
1/9/2018	Submittal	AQ70-03-00	AQ70-03-00, PTO's C012015 and C012016 Annual emission report submittal
6/13/2018	Submittal	AQ72-05-00	AQ72-05-00 Annual Compliance Test results for VOC & Benzene Emissions, Carbon System. (09-AFC-5C

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8/3/2018	Submittal	AQ72-06-00	AQ72-06-00 Annual Compliance Test results for VOC & Benzene Emissions, Carbon System. (09-AFC-5C)
10/24/2018	Submittal	AQ72-06-01	AQ72-06-01 Annual Compliance Test results for VOC & Benzene Emissions, Carbon System. (09-AFC-5C)
12/18/2018	Submittal	AQ72-06-02	AQ72-06-02 Annual Compliance Test results for VOC & Benzene Emissions, Carbon System
9/11/2018	Submittal	AQSC8-10-00	AQSC8-10-00 MDAQMD Renewed Permits to Operate
10/2/2018	Submittal	BIO01-17-00	BIO1-17-00, Designated Biologists (09-AFC-5C)
3/14/2018	Submittal	BIO03-20-00	BIO3-20-00 Biological Monitors, Avian specialist (Sean Rowe) (09-AFC-5C)
9/5/2018	Submittal	BIO03-21-00	BIO03-21-00 Additional Avian Surveyors for Review Approval from CEC
4/6/2018	Submittal	BIO05-03-03	BIO5-03-03 Revised WEAP - Worker Environmental Awareness Program, Revised
6/5/2018	Submittal	BIO05-03-04	BIO5-03-04 Revised WEAP - Worker Environmental Awareness Program, Revised
6/13/2018	Submittal	BIO05-03-05	BIO5-03-05 Revised WEAP - Worker Environmental Awareness Program, Revised
6/15/2018	Submittal	BIO05-03-06	BIO5-03-06 Revised WEAP - Worker Environmental Awareness Program, Revised
6/26/2018	submittal	BIO07-08-00	BIO7-08-00 Cooling Tower Deterrent proposal (09-AFC-5C)
10/17/2018	submittal	BIO07-08-01	BIO7-08-01 Cooling Tower Deterrent set up. Sound device (09-AFC-5C)
10/15/2018	submittal	BIO07-09-00	BIO7-09-00 Cooling Tower netting (09-AFC-5C)
10/23/2018	submittal	BIO07-09-01	BIO7-09-01 Cooling Tower netting (09-AFC-5C)
2/22/2018	Correspondence	BIO11-01-03	BIO11-01-03 MSP Desert Tortoise Clearance and

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			Relocation_Translocation Plan Amendment draft (09-AFC-5C)
3/1/2018	Submittal	BIO11-01-04	BIO11-01-04 MSP Desert Tortoise Clearance and RelocationTranslocation Plan, USFWL letter (09-AFC-5C)
3/9/2018	Submittal	BIO11-01-05	BIO11-01-05 MSP Desert Tortoise Clearance and RelocationTranslocation Plan Rev. 1 (09-AFC-5C)
4/27/2018	Renewal	BIO16-03-02	BIO16-03-02 Tamarisk Eradication, Monitoring and Reporting Program Burn Permit 2018-2019 renewal
1/18/2018	Submittal	BIO17-02-00	BIO17-02-00 Bird Monitoring Study reporting schedule (09-AFC-5C)
5/9/2018	Submittal	BIO17-03-00	BIO17-03-00 Bird Monitoring Study survey methodology modification proposal (09-AFC-5C)
7/2/2018	Submittal	BIO17-03-01	BIO17-03-01 Revised Bird Monitoring Study First Quarterly Report_Fall2017 (09-AFC-5C)
9/18/2018	Submittal	BIO17-03-02	BIO17-03-02 Revised First Quarterly Report_Fall2017 (09-AFC-5C)
5/23/2018	Submittal	BIO17-04-00	BIO17-04-00 Bird Monitoring Study Second Quarterly Report_Winter2017-2018
8/24/2018	Submittal	BIO17-05-00	BIO17-05-00 Bird Monitoring Study Third Quarterly Report_Spring 2018 (09-AFC-5C)
10/31/2018	N/A	BIO17-06-00	Resrvered but not Used
11/29/2018	Submittal	BIO17-07-00	BIO17-07-00 Bird Monitoring Study 2017-2018 Annual Report (09-AFC-5C)
1/15/2018	Submittal	BIO19-46-00	BIO19-46-00 Evaporation Pond Plan Report for November 2017 (09-AFC-5C)
1/11/2018	Submittal	BIO19-47-00	BIO19-47-00, 2017 Evaporation Pond Macro-invertebrate Report (09-AFC-5C)
1/17/2018	Submittal	BIO19-48-00	BIO19-48-00 Evaporation Pond Plan Report for December 2017 (09-AFC-5C)
3/19/2018	Submittal	BIO19-49-00	BIO19-49-00 Evaporation Pond Plan Report for January 2018 (09-AFC-

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			5C)
3/20/2018	Submittal	BIO19-50-00	BIO19-50-00 Evaporation Pond Plan Report for February 2018 (09-AFC-5C)
4/17/2018	Submittal	BIO19-51-00	Evaporation Pond Plan Report for March 2018 (09-AFC-5C)
5/21/2018	Submittal	BIO19-52-00	Evaporation Pond Plan Report for April 2018 (09-AFC-5C)
6/12/2018	Submittal	BIO19-53-00	BIO19-53-00 Evaporation Pond Plan Report for May 2018 (09-AFC-5C)
7/30/2018	Submittal	BIO19-54-00	BIO19-54-00 Evaporation Pond Plan Report for June 2018 (09-AFC-5C)
8/22/2018	Submittal	BIO19-55-00	BIO19-55-00 Evaporation Pond Plan Report for July 2018 (09-AFC-5C)
9/19/2018	Submittal	BIO19-56-00	BIO19-56-00 Evaporation Pond Plan Report for August 2018 (09-AFC-5C)
9/26/2018	Submittal	BIO19-56-01	BIO19-56-01 Evaporation Pond Plan Report for August 2018 (09-AFC-5C)
10/12/2018	Submittal	BIO19-57-00	BIO19-57-00 Evaporation Pond Plan Report for September 2018 (09-AFC-5C)
12/5/2018	Submittal	BIO19-57-01	BIO19-57-01 Evaporation Pond Plan Report for September 2018 (09-AFC-5C)
11/19/2018	Submittal	BIO19-58-00	BIO19-58-00 Evaporation Pond Plan Report for October 2018 (09-AFC-5C)
12/5/2018	Submittal	BIO19-58-01	BIO19-58-01 Evaporation Pond Plan Report for October 2018 (09-AFC-5C)
12/20/2018	Submittal	BIO19-59-00	BIO19-59-00 Evaporation Pond Plan Report for November 2018 (09-AFC-5C)
12/13/2018	Submittal	BIO21-06-00	BIO21-06-00 Biological Opinion Annual Compliance Report 2018 (09-AFC-5C)
2/28/2018	Submittal	COMP07-01-00	COMP7-01-00 MSP 2017 Annual Compliance Report (09-AFC-5C)
12/11/2018	Notification	COMP10-00-05	COMPLIANCE10-00-05 Mojave Desert Air Quality Management District Notice of Violation
11/8/2018	Submittal	HAZ1-04-00	HAZ1-04-00, Site Security and

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			Hazardous Materials Storage Plan (09-AFC-5C)
2/22/2018	Submittal	HAZ2-08-03	(HAZ2-08-03) Hazardous Material Business Plan
1/30/2018	Submittal	SWAT06-19-00	2017/2018 Semiannual Detection Monitoring Program/Groundwater Monitoring Plan Report.
7/30/2018	Submittal	SWAT06-20-00	SWAT06-20-00 2017/2018 Annual and Second Semiannual Detection Monitoring Program/Groundwater Monitoring Plan Report.
9/27/2018	Submittal	SWAT06-21-00	SWAT6-21-00, Detection Monitoring Program (DMP) Groundwater Monitoring Plan, Biennial Update (09-AFC-5C)
1/17/2018	Submittal	SWAT10-09-00	SWAT10-09-00 Bacteriological Sample Siting Plan for MSP (09-AFC-5C)
1/30/2018	Submittal	SWAT10-10-00	SWAT10-10-00 Certification of chemicals added to the drinking water for Mojave Solar LLC (09-AFC-05)
3/9/2018	Submittal	SWAT10-11-00	SWAT10-11-00 Potable Water Tank Inspection and Disinfection Procedure for Mojave Solar LLC (09-AFC-05)
3/9/2018	Submittal	SWAT10-12-00	SWAT10-12-00 Nontransient-noncommunity System Ground Water Permit
5/29/2018	Submittal	SWAT10-13-00	SWAT10-13-00 Small Water System 2017 Annual Report to the Drinking Water Program
6/12/2018	Submittal	SWAT10-14-00	SWAT10-14-00 Mojave Solar Project annual Consumer Confidence Report (CCR) 09-AFC-5C
9/28/2018	Submittal	SWAT10-15-00	SWAT10-15-00 Mojave Solar Project 2018 annual Sanitary Survey Report (SSR). 09-AFC-5C
4/18/2018	Submittal	WASTE02-02-00	WASTE2-02-00 2017 biennial hazardous waste report to the Department of Toxic Substances Control (09-AFC-5C)
11/8/2018	Submittal	WASTE09-01-01	WASTE9-01-01, Operation Waste Management Plan (09-AFC-5C)

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3/8/2018	Submittal	WASTE10-18-00	HTF Contaminated Soil Spill Log and Lab Results
2/27/2018	Submittal	WKSF6-04-00	WKSF6-04-00, SBCFD Annual O&M Contribution Verification (2016 - 2017) Proof of payment is submitted to the CPM

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;	Changes in equipment and Power Block General	October 29, 2013, Revised Petition to	April 22, 2014, by CEC.	Order No. 14-0422-4 APPROVING a Petition to

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	Modifications to AQ-10, 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.	arrangement affecting some Air Quality COCs.	Amend		Amend Air Quality 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 Certification as part of a Settlement		December 19, 2016, by CEC	Resolution Approving Settlement - Resolution No: 16-1214-4



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		Agreement			
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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 Permanent Potable Treatment Facility were granted on November 2017 and the renewal fee until February 2018. Sewage Holding Tank Operating Permit for Alpha and Beta was renewed as well until December 2018.

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 Carbon Absorption System	Mojave Desert Air Quality Management District	Annual
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

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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 (Beta)	Mojave Desert Air Quality Management District	Annual
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

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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 (240 per unit)	San Bernardino County Department of Health	Annual
20	B009812-14	(NBVP) Pressure Vessel (Steam Drum) Inspection and Permit 2x2 @ \$325 each year)	National Board of Pressure Vessels (NBPV)	Annual
21	N/A	CEC annual fees	CEC	Annual
22	N/A	Watermaster Fee	Watermaster	Annual
23	N/A	Waterboard	Waterboard	Annual
24	1896687-01	Tire recycling program. Identification Number.	CA Department of Resources Recycling and Recovery	N/A
25	TRENC-2018- 00281	Road Encroachment Permit	County of San Bernardino, Department of Public Works	Valid through 11/26/2019

Please contact me with any question.

Sincerely,

Jose Manuel Bravo Romero

Manager

Permitting, Compliance, Quality and Environment Department

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Subject: 09-AFC-5C
Condition Number: COMPLIANCE-7
Description: Annual Compliance Report – 2018
Submittal Number: COMPLIANCE7-02-00

2/28/2019

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 third Annual Compliance Report (ACR) for the period of January 1 – December 31, 2018.

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:

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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.

One complaint was received by Mojave Solar LLC during the reporting period. COMPLIANCE10-00-05 Mojave Desert Air Quality Management District Notice of Violation was submitted to the CEC CPM on 12/10/2018.

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

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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 07/30/2018, SWAT6-20-00. 2017-2018 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 new petition, no ownership change nor modification was made during the reporting period.**

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.**

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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 2018 on Solutia PO 400895075 and received the drums on 12/28/18. 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. **AQ54-03-01 Gasoline Dispensing Tank Vapor Recovery Test results submitted to MDAQMD and CPM on 04/26/2018, 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

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available for inspection of records by representatives of the District, ARB, and the Energy Commission. **AQ58-02-00, Annual Fuel Throughput Request for Mojave Solar Facility #3130, Company #1876, submitted to MDAQMD and CPM on January 14, 2019, 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. **AQ72-05-00 Protocol for VOC & Benzene Emissions Testing on Carbon System for Annual Test was submitted to the MDAQMD and CPM on June 13, 2018. AQ-72-06-00/01/02 Annual Compliance Test Results for VOC & Benzene Emissions, Carbon System, were submitted to the MDAQMD and CPM on December 18, 2018. 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 AQ72-05-00 Protocol for VOC & Benzene Emissions Testing on Carbon System for Annual Test submitted to the MDAQMD and CPM on June 13, 2018. AQ-72-06-00/01/02 Annual Compliance Test results for VOC & Benzene Emissions, Carbon System submitted to the MDAQMD and CPM on December 18, 2018. 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-70-04-00, Annual summary VOC emissions report (09-AFC-5C), MDAQMD Facility #3130 Company #1876, submitted to the MDAQMD and CPM on January 4, 2019, 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 AQ72-05-00 Protocol for VOC & Benzene Emissions Testing on Carbon System for Annual Test submitted to the MDAQMD and CPM on June 13, 2018. AQ-72-06-00/01/02 Annual Compliance Test results for VOC & Benzene Emissions, Carbon System submitted to the MDAQMD and CPM on December 18, 2018. 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 WKSF6-05-00, SBCFD Annual O&M Contribution Verification (2017 - 2018), 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. **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 2018.

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 J.** 

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 2018 raw data for the BIO-18 report.** 

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.

HAZ2-08-03, submitted to the CPM on 11/14/2018, 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 2018, Appendix F.

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 2018 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,

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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. SWAT6-20-00. 2017-2018 Annual and Second Semiannual Detection Monitoring Plan Report (09-AFC-5C) and SWAT6-22-00. 2018-2019 Semiannual Detection Monitoring Plan Report (09-AFC-5C) submittals sent to the LRWQCB, BLM, and CPM on July 30, 2018 and January 30, 2019 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 2017-2018 Water Year (Oct. 2017 – Sep.

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2018), as the report for Oct. 2017 – Sep. 2018 will not be issued by the Watermaster until approximately May 1, 2019. 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 2018 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

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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.

A maintenance is currently scheduled for the 2019-year period, consisting of the coating application to the sea containers within our facility.

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.

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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. **No trees were replaced by MSLLC during the reporting period (2018 year). Appendix S without attachments for this topic.**

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.** On the other hand, a damage caused by a car accident, partially damaged the perimeter fence along Harper Lake Road. No injured person or facility equipment as a result of this accident. **Appendix S.**

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Sincerely,

Jose Manuel Bravo Romero

Manager
Compliance, Quality and Environment Department

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ASI Operations LLC

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Appendix A

Compliance 7

Annual Compliance Report delivery date agreement

Mojave Solar Project Annual Compliance Report San Bernardino County, California

2018 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.

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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.

ABENGOA **SOLAR**

Mojave Solar

[42134 Harper Lake Road](#)
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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jmanuel.bravo@abengoa.com



Appendix B

Compliance 5

Compliance Matrix

Mojave Solar Project Annual Compliance Report San Bernardino County, California

2018 Reporting Period

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

ABENGOA

By	JMR
Rev/Date	10/19/2018

Abbreviation
 B - Brian Wilson; M - Ashlee Alhabali; M - K-Abeo Karri; P - Patricia Garcia;
 A - Alan Taylor; L - Leonardo Bruno; L - Luis Leal; BG - Bill Grinda or Business Group IWG as of 3/6/15!
 MM - Megan McCarthy; SP - Steve Pochman; MS - Matt Stucky; JMR - Jose Manuel Bravo Romero et unco

EN Req	Applicable for KPI	Progress	EMS Plan link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Start Code	Description	Verification/Action/Submital Required by Project Owner	Timeframe	Involved Agencies	Lead Response Party	Responsible Discipline	Lead Engineer/Manager	Required Approval Date/Drawings/Docs	Actual Submittal Date/Drawings/Docs	Actual Approval Date/Drawings/Docs	(Submittal due to Change)	Approved As Built	Approved Inspection	COO				
No	No	Accomplished	N/A	Continuous	N/A	N/A	COMPLIANCE-1	PC, CONS, COMM, OPS	Grant Site Access to CEC	Verification/Action/Submital Required by Project Owner The project owner shall ensure that all required permits 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 additional project site visits for 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.	As required	CEC	A/T+AS	Permitting	H B S P	As Req	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	When project files are on 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.	As required	CEC	A/T+AS	Permitting	H B S P	As Req	As Req	As Req	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 Correspondence 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	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 Rebuttals 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	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	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 Requests 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	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 construction, a compliance matrix addressing only conditions that must be fulfilled before the start of construction shall be submitted to the CPM. The 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	Recurent	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. The 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.	MCWRACR	CEC	A/T+AS	Permitting	H B S P	As Req	Monthly	Monthly	Monthly	Monthly	Monthly	-	-	-	-	
Yes	Yes	Accomplished	Compliance Matrix	Recurent	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.	MCWRACR	CEC	AS	Permitting	H B	Monthly	Monthly	Monthly	Monthly	Monthly	Monthly	-	-	-	-	
No	No	Accomplished	N/A	Recurent	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 project owner shall submit the monthly compliance report to 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 A/C number and an initial list of items 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	Monthly	Monthly	Monthly	-	-	-	-	
Yes	Yes	Accomplished	N/A	Recurent	Annual	23-Dec-15	COMPLIANCE-7	COMM, OPS	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 submitted over the life of the project unless otherwise specified.	Post COD - annually	CEC	AS	Permitting	ASI Staff	Post COD annually	02/09/18 COMP 01-00, Mojave Solar Project 2017 Annual Compliance Report 20-24-2018	As Req	As Req	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 may include 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 2595(a). Any information that is determined to be confidential shall be kept confidential as provided for in Title 20, California Code of Regulations.	As required	CEC	A/T + AS	Permitting	ASI Staff	As Req	As Req	As Req	As Req	As Req	-	-	-	-		
No	No	Accomplished	N/A	Recurent	Annual	Thereafter by July 1	COMPLIANCE-9	PC, CONS, COMM, OPS	AS to Pay Annual Energy Compliance Fee	Annual Energy Facility Compliance Fee: Pursuant to the provisions of section 2595(b)(5) of the Public Resources Code, the project owner is required to pay an annual compliance fee.	Day of Comm. Dec., Annually thereafter by July 1	CEC	AS	ASI	ASI Staff	As Req	07/01/2013, Invoice #2161	As Req	As Req	As Req	-	-	-	-		
No	No	Accomplished	N/A	Milestone	N/A	Prior to construction	COMPLIANCE-10	PC	AS 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 on 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/doing-business/plants_contacts.html . Any changes to the telephone number shall be submitted to the CPM within 24 hours of receipt.	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 hours of receipt.	within 24 hours of receipt	CEC	AS	ASI	ASI Staff	As Req	As Req	As Req	As Req	As Req	As Req	12/17/2018 CPM/2018-01-00	-	-	-	
No	No	Accomplished	N/A	Continuous	N/A	N/A	COMPLIANCE-10	PC, CONS, COMM, OPS	Submit Any New Telephone Number to CEC Immediately	Submit Any New Telephone Number to CEC Immediately	As required	CEC	AS	ASI	ASI Staff	As Req	As Req	As Req	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	When project files are on 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.	within 10 days of receipt	CEC	AS	ASI	ASI Staff	As Req	As Req	As Req	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 maintained. 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.	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	As Req	As Req	-	-	-	-		
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 plan. In the event that there are significant issues associated with the proposed facility closure plan, 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	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/Submit Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Dwg/Docs	Actual Submittal Date Dwg/Docs	Actual Approval Date Dwg/Docs	(Submittal due to Change)	Approved As Built	Approved Inspection	COO				
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 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 COMPL12-00-00 On-site Contingency Plan for Unplanned Temporary Closure	09/08/2014 Approval COMPL12-00-00 06/04/2016 COMPL12-01-00 On-site Contingency Plan for Unplanned Temporary Closure Rev. 1 Revised for Review and Approval		-	-	-				
No	No	N/A	N/A	Recurent	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, cleaning 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 as determined 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	5/10/2014										
No	No	N/A	N/A	Continuous	N/A	N/A	COMPLIANCE-14	PC, CDM, COMM, OPS	Review 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 1700, in order to modify the project including linear facilities design, operator or performance requirements, and to transfer ownership of 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 1700. 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.	As required	CEC	AT/AS	ASI	ASI Staff/AT	As Req	As Req 7/20/11	As Req 5/22/13								
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to ground disturbance	AQ-SC1	PC	Provide Name of on-site AQMM	Submit to the CPM for approval the name, resume, qualifications and contact information for the on-site AQMM 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	AT/AS	AS/CH2M	M/S	-	06/24/2011 AQ-SC 2.01-00 CEC Submittal	8/17/2011 AQ-SC 2.02-00 CEC Approval								
Yes	No	Accomplished	N/A	Recurent	Monthly	MCR	AQ-SC3	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 AQMM to verify compliance with this condition. Such information may be provided via electronic format or disk.	MCR	CEC, AQCOMM	(AS)	AS/CH2M	H/B	Monthly	Monthly	Monthly								
Yes	No	Accomplished	N/A	Recurent	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 AQMM to verify compliance with this condition. Such information may be provided via electronic format or disk.	MCR	CEC, AQCOMM	(AS)	AS/CH2M	H/B	As Req	As Req	As Req								
Yes	No	N/A	N/A	Recurent	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 AQMM to verify compliance with this condition. Such information may be provided via electronic format or disk.	MCR	CEC, AQCOMM	(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 under purchase schedule.	30 days prior to COD	CEC	AS	ASI	H/B	6/10/2014	07/09/2014 AQ-SC 6.00-01 Submittal 08/06/2014 AQ-SC 6.00-01 Submittal	-	09/18/2014 Submittal AQ-SC 6.00-02 Additional Crane Information Onsite Vehicle and Equipment Fleet Plan 08/06/2014 AQ-SC 6.00-01 Submittal Revised Onsite Vehicle & Equipment Fleet Plan	09/18/2014 Approval AQ-SC 6.00-02 Additional Crane Information Onsite Vehicle and Equipment Fleet Plan						
Yes	Yes	Accomplished	Onsite vehicle and equipment fleet Plan	Recurent	Annual	23-Dec-15	AQ-SC6	OPS	The plan shall be updated every other year.		ACR	CEC	AS	ASI	H/B	-	-	-								

EN REQ	Applicable for KPI	Progress	EMS Plan link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submit Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Drw/Docs	Actual Submittal Date Drw/Docs	Actual Approval Date Drw/Docs	(Submittal due to Change)	Approved As Built	Approved Inspection	COO
Yes	No	Completed	ODCP	NA	N/A	N/A	AQ-SC7	COMM	Provide ODCP plan for Dust Control and Environmental procedures	Submit to CFM 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	AS	H B B W	6/1/2014	08/02/2014 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	-	-	-
Yes	Yes	Completed	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 CPA a report identifying the locations of all speed limit signs and a copy of the project employee and contractor training manual that clearly identifies that project employees and contractors are required to comply with the dust and erosion control procedures and on-site speed limits.	60 days after COD	CEC	AS	AS	H B	6/1/2014	-	2/26/15 Approved AQSC7-00-01 Operations Dust Control Plan Rev 2	-	-	-	
Yes	Yes	Completed	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, T10, and proposed federal air permit modifications to the CFM within five working days of its submittal either by the project owner to an agency, or if receipt of proposed modifications from an agency. Submit all modified ATC/T10 documents and all federal air permits to the District and the Energy Commission for the project owner's project manager stating that the owner or residents of the properties affected by the conditions have been notified and that the residents have been offered paid relocation during the affected period of the initial grading/preparation phase of construction. The statement shall list affected property owners/residents notified and the means of notification.	Within 5 days of its submittal or receipt	CEC	AT + AS	AS/AECOM	H B B W	As Req	4-11-14 CEC Submittal MDAQMD ATC GAS Task# AQSC8-04-00	5-16-14 CEC Approval AQSC8 MDAQMD ATC Documentation AQSC8-03-00	-	-	-	
Yes	No	Completed	N/A	Milestone	N/A	Prior to initial grading	AQ-SC9	PC	Provide Signed AS9 Documentation that Residents were notified and offered Relocation	owner's project manager stating that the owner or residents of the properties affected by the conditions have been notified and that the residents have been offered paid relocation during the affected period of the initial grading/preparation phase of construction. The statement shall list affected property owners/residents notified and the means of notification.	Prior to initial grading	CEC	AS	AS	M S	6/30/2011	6/30/2011	AQ SC 9 CEC Approved 07.28.2011	-	-	-	
Yes	No	Completed	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	AS	H B	None received	-	-	-	-	-	
Two HTF Usage/Expansion Systems																						
Yes	Yes	Completed	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 Usage/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	Completed	Operation of Overflow and Expansion System Procedure/Records of	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	AT + AS									
Yes	Yes	Completed	Operation of Overflow and Expansion System Procedure/Records of the expansion tanks nitrogen	Continuous	N/A	N/A	AQ-11	COMM/OPS	The four (4) vertical expansion vessels, low boiler condensate receiver vessel, and two (2) liquid 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	AT + AS									
Yes	No	Completed	N/A	Milestone	N/A	30 days prior to installation of ulag/expansion vent system	AQ-12	CONS & OPS	The ulag/expansion system nitrogen venting shall be carried out only through District permit numbers C012015 and C012016	The project owner shall provide the District and CFM manufacturer design specifications showing compliance with this condition at least 30 days prior to the installation of the ulag/expansion vent system.	30 days prior to installation of ulag/expansion vent system	District, CEC	AT									
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	Completed	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, compressor 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 (PRD), hatches, pumps, compressors, etc. shall be inspected quarterly using a leak detection device such as a Fluorion DVA T18 calibrated for methane. c. Inspection frequency for accessible components, except pumps, compressor 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, compressor 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 ppm 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	The project owner shall establish an inspection and maintenance program to determine, repair, and tag 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, compressor 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 (PRD), hatches, pumps, compressors, etc. shall be inspected quarterly using a leak detection device such as a Fluorion DVA T18 calibrated for methane. c. Inspection frequency for accessible components, except pumps, compressor 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, compressor 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 ppm 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	30 days before delivery of HTF	AT + AS			5/28/2013 Approved AQ16-00-00							
Yes	Yes	Completed	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	AT + AS									
Yes	Yes	Completed	HTF System Inspection, Monitoring and Maintenance Program 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	Completed	Toxic and hazardous substance 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 CFM 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 project, the project owner shall submit to the District a plan demonstrating how compliance will be achieved and	As required	District	AS									
Cooling Towers																						
Yes	Yes	Completed	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	Completed	Cooling Tower Startup, normal, and night-time operation Procedure	Continuous	N/A	N/A	AQ-23	OPS	The equipment shall be operated and maintained in strict accord with the recommendations of its manufacturer or supplier and/or sound.	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	Completed	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 method.	The manufacturer guarantee data for the drift eliminator, showing compliance with this condition, shall be provided to the CFM and the District.	30 days prior to cooling tower operation	District, CEC	AT			10/07/2013 Submittal AQ24-00-00 MDAQMD Diff Eliminator Calculations	10/07/2013 Approved AQ24-00-00 MDAQMD Diff Eliminator Calculations	06/11/2013 Approved				

EN Req	Applicable for KPI	Progress	EMS Plan Link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submitted Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Draw/Docs	Actual Submittal Date Draw/Docs	Actual Approval Date Draw/Docs	(Submittal due to Change)	Approved As Built	Approved Inspection	COO			
Yes	Yes	Completed	Cooling Tower Startup, normal, and right-time operation Procedure/Cooling Tower Operating Emission Rate Log Records	Recurent	Annual	25-dec-15	AQ-24	OPS	Cooling Tower Operating Emission 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	Completed	Cooling Tower Conductivity Test Results	Milestone/Recurent	30 days prior to COD/Weekly/Quarterly	25-dec-15	AQ-25	COMM & OPS	Cooling Tower Recirculation Water TDS Content Test Results- Weekly and Quarterly Logs	The total dissolved solids (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 hand HPLC 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 shall 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, ABB, and the Energy Commission upon request.	As required	District, ABB, CEC	AT + AS			10/12/2014 Submittal AQ25-00-00 TDS Meter Specs & Calibration	11/09/14 Approval AQ25-00-00 TDS Meter Specs & Calibration								
Yes	Yes	Completed	Cooling Tower Conductivity Test procedure	Milestone	N/A	Before COD	AQ-25	COMM & OPS	Conductivity test procedure				AT												
Yes	No	Completed	Cooling Tower Water Tests and Emissions Calculation Protocol	Recurent	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	30 days prior to cooling tower water test	District	AT			11/12/2014 Submittal AQ26-01-00 Cooling Tower TDS Measurement and Emissions Calculation Protocol (revised)	12/03/14 Approval AQ26-01-00 Cooling Tower TDS Measurement and Emissions Calculation Protocol (revised)								
Yes	Yes	Completed	Cooling Tower Startup, normal, and right-time operation Procedure	Continuous	N/A	N/A	AQ-27	COMM/OPS	Cooling Tower Operating Data Log	This equipment shall not be operated for more than 8,840 hours per rolling twelve month period.	ACR	CEC	AT + AS												
Yes	Yes	Completed	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 periods); and b. The date and result of each blowdown water measurement in TDS ppm, and/or cooling tower emission. A maintenance procedure shall be established that issues flow often and what procedures will be used to ensure the integrity of the data dissemination. This procedure is to be kept on-site and available to District personnel on request.	As required	District, ABB, CEC	AS												
Yes	Yes	Completed	Cooling Tower Startup, normal, and right-time operation Procedure	Milestone	N/A	Before COD	AQ-29	COMM/OPS	Cooling Tower Maintenance Procedure		As required	District	AT + AS												
							Two 2,280 kW Emergency IC Engines																		
Yes	Yes	Completed	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 data plate.	As required	District, ABB, CEC	AS												
Yes	Yes	Completed	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	The equipment shall be installed, operated and maintained in strict accordance with those recommendations of the manufacturer/supplier and/or sound engineering practices which produce the minimum emissions of contaminants. Unless otherwise noted, the equipment shall also be operated in accordance with all test and specifications submitted with the application for this permit.	As required	District, ABB, CEC	AT + AS												
Yes	No	Completed	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 practices		As required	District, ABB, CEC	AT												
Yes	No	Completed	Emergency Generator Installation, Operation and Maintenance Procedure	Milestone	N/A	Before COD	AQ-30	CONS & COMM	Operations and Maintenance Manual		As required	District, ABB, CEC	AT												
Yes	Yes	Completed	Emergency Generator Installation, Operation and Maintenance Procedure/Fuel Purchase Records Log	Continuous	N/A	N/A	AQ-31	COMM/OPS	Fuel Purchase Records Log	The 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, ABB, and the Energy Commission.	As required	District, ABB, CEC	AT + AS												
Yes	No	Completed	N/A	Milestone	N/A	30 days prior to installation of engine	AQ-32	CONS	Hour Meter Specifications	A non-removable hour meter with a minimum display capability of 9999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time. (Title 17 CCR §93115.10(a)(1)).	30 days prior to installation of engine	District, CEC	AT												
Yes	Yes	Completed	Emergency Generator Installation, Operation and Maintenance Procedure/Emergency Generator Operating Time Records	Continuous	N/A	N/A	AQ-33	OPS	Emergency Engine Use	Provide the District and the CPM the specification of the hour meter. 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 15 hours per day and 50 hours per year for testing and maintenance, excluding compliance source testing. There is no test on engine operation for emergency use.	As required	District, ABB, CEC	AT + AS												
Yes	Yes	Completed	Emergency Generator Operating Time Records/Emergency Generator Operating Log	Recurent	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 an 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. If 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-33 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, ABB, and the Energy Commission.	ACR	District, ABB, CEC	AT + AS												
Yes	Yes	Completed	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, ABB, and the Energy Commission.	As required	District, ABB, CEC	AS												
Yes	Yes	Completed	Emergency Generator Operating Log/Emergency Generator Operating Time Records	Continuous	N/A	N/A	AQ-35	OPS	Engine Isolation	This unit shall be used to provide power to the interconnecting utility and shall be isolated from the interconnecting utility.	As required	District, ABB, CEC	AT + AS												
Yes	Yes	Completed	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 reconnected utility has ordered an outage to the plant or requests 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 is complete.	As required	District, ABB, CEC	AT + AS												
No	No	N/A	N/A	N/A	N/A	N/A	AQ-37	Reserved																	
Yes	No	Completed	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.	As required	District, ABB, CEC	AT + AS												
Yes	Yes	Completed	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. AEPIC 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	AT												

EN Req	Applicable for KPI	Progress	EMS Plan link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Item Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Drive/Docs	Actual Submittal Date Drive/Docs	Actual Approval Date Drive/Docs	(Submittal due to Change)	Approved As Built	Approved Inspection	COO					
Yes	No	Completed	N/A	Milestone	N/A	30 days prior to purchase	AQ-40	COE	Emergency Generator Engine Specifications	This unit is subject to the requirements of the Federal National Source Performance Standards (NPS) for Stationary Compression Ignition Internal Combustion Engines (40 CFR Part 60 Subpart BB). The project owner shall submit the engine specifications at least 30 days prior to purchasing the engine for review and approval demonstrating that the engine meets NPS and ABB ATCM emission limit requirements at the time of engine purchase.	30 days prior to purchase	CEC	AIT					4/15/13 Approval AQ40-00-00									
Yes	No	Completed	N/A	Continuous	N/A	N/A	AQ-40a	COE	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.	As required	District, ABB, CEC	AIT + AS					4/12/13 Approval, Fire Suppression Related Emergency Generator									
Yes	Yes	Completed	Emergency IC Engine O&M Procedure	Continuous	N/A	N/A	AQ-41	COMM & OPS	Minimum Emissions	The equipment shall be installed, operated and maintained in strict accord with these 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		AIT + AS														
Yes	Yes	Completed	Emergency IC Engine O&M Procedure	Milestone	N/A	Before COD	AQ-42	OPS	Ultra-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, ABB, CEC	AIT + AS														
Yes	No	Completed	N/A	Milestone	N/A	30 days prior to installation of engine	AQ-43	OPS	Hour Meter Specifications	A non-rewindable hour meter with a minimum display capability of 9999 hours shall be installed and maintained on this unit to indicate elapsed engine operating time. (Title 17 CCR 93115.1500(1)) At least thirty (30) days prior to the installation of the engine, the project owner shall provide the District and the CPM the	30 days prior to installation of engine	District, CEC	AIT														
Yes	Yes	Completed	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 demonstration. 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 93115.60(A))	As required	District, ABB, CEC	AIT + AS														
Yes	Yes	Completed	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 when 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-46, 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	ACR	CEC	AS														
No	No	N/A	N/A	N/A	N/A	N/A	AQ-46	COMM & OPS	Reserved																		
Yes	No	Completed	N/A	Continuous	N/A	N/A	AQ-47	COMM & OPS	Stack Height	This engine shall exhaust through a stack at a minimum height of 20 feet.	As required	District, ABB, CEC	AIT														
Yes	Yes	Completed	Airborne 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	AIT														
Yes	No	Completed	N/A	Milestone	N/A	30 days prior to purchase	AQ-49	COE	Engine Specifications	This unit is subject to the requirements of the Federal National Source Performance Standards (NPS) for Stationary Compression Ignition Internal Combustion Engines (40 CFR Part 60 Subpart BB). The project owner shall submit the engine specifications at least 30 days prior to purchasing the engine for review and approval demonstrating that the engine meets NPS and ABB ATCM emission limit requirements at the time of engine purchase.	30 days prior to purchase	CEC	AIT					4/12/13 Approval AQ49-00-00									
Yes	No	Completed	N/A	N/A	N/A	N/A	AQ-50	COE	Telephone Posting	The toll-free telephone number that must be posted is 1-800-846-6463.	As required	CEC	AIT														
Yes	Yes	Completed	Gasoline Storage Tank Inspection and Maintenance Procedure/Gasoline Storage Tank Log, Maintenance, Inspection, Test and Repair records	Continuous	N/A	N/A	AQ-51	OPS	Maintenance, 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 upon request; record form shall be similar to the Maintenance Record form indicated in current ABB Executive Order Rule	As required	District, ABB, CEC	AS														
No	No	N/A	N/A	N/A	N/A	N/A	AQ-52	COE	Vapor Recovery System	Any modifications or changes to the piping or control fitting of the vapor recovery system require pre-approval from the District (Rule 204).	As required	District	AIT														
Yes	No	Completed	N/A	Continuous	N/A	N/A	AQ-53	COE	Pressure Relief Valves	Pursuant to current Executive Orders (EO) vapor vent pipes are to be equipped with pressure relief valves allowed by ED Rule 204.	As required	CEC	AIT														
Yes	No	Completed	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: 1. Determination of Static Pressure Performance of Vapor Recovery Systems at Gasoline Dispensing Facilities with Aboveground Storage Tanks shall be conducted per current ABB Executive Order 2. Fuel Adaptors, Emergency Vents, Spill Container Drain Valves, Dedicated gaging port with stop tube and tank components, all connectors, and fittings shall NOT have any detectable leaks; test methods shall be per current ABB Executive Order 3. 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 ABB Executive Order.	with in 60 construction completion	District	AIT + AS					04/07/17 AQ54-00-00 M&M&S Rule 461 Testing Notification Form for Gasoline Dispensing Tank Vapor Rec. 04/06/18 AQ54-03-00 M&M&S Rule 461 Testing Notification Form Gasoline Dispensing Tank									

EN Req	Applicable for KPI	Progress	EMS Plan Link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submit Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Dwg/Docs	Actual Submittal Date Dwg/Docs	Actual Approval Date Dwg/Docs	(Submittal due to Change)	Approved As Built	Approved Inspection	COO			
Yes	Yes	Accomplished	Gasoline Storage Tank Static Pressure Tests Records	Recurent	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 accordance with the following test procedures: 1. Determination of Static Pressure Performance of Vapor Recovery System at Gasoline Dispensing Facilities with Aboveground Storage Tanks shall be conducted per current ABB Executive Orders 2. Phase I Adapters, Emergency Vents, Spill Container Drain Valve, Dedicated gassing port with flow valve and tank components, all connections, and fittings shall NOT have any detectable leaks; test methods shall be per current ABB Executive Orders 3. 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 ABB 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 requested tests.	10 days prior to testing	District	AT + 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 CMAA representative.	30 days after completion of testing	District	AT + 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 60 (60) 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 Storage Tank OBM Procedure	Continuous	N/A	N/A	AQ-55	COMM & OPS	Above-ground Tank	Pursuant to California Health and Safety Code sections 25209.0(b)(1) and 25214, the aboveground tank shall be installed and maintained in accordance with current ABB Executive Orders for EVR Phase I, and Standing Loss requirements. Additionally, Phase II Vapor Recovery System shall be installed and maintained per current ABB Executive Orders with the exception that hanging hardware shall be EVR Balance Phase II type hanging hardware (VST or other GASB Approved EVR Phase II Hardware).	As required	District, ABB, CEC	AT + AS												
Yes	Yes	Accomplished	EVR OBM Manual	Continuous	N/A	N/A	AQ-56	COMM & OPS	EVR Phase I CPW system components/CPW Certified Technicians	Pursuant to current ABB 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, ABB, CEC	AT + AS												
No	No	N/A	N/A	N/A	N/A	N/A	AQ-56		list of certified owner erectors	DELETE - NOT A REQUIREMENT OF AQ-56			AT												
Yes	Yes	Accomplished	N/A	Continuous	N/A	N/A	AQ-57	OPS	Misc Maint CPW Certified Technicians	Pursuant to current ABB Executive Orders, Maintenance intervals for ABB Executive Orders, Tank Gauge Components, Dust Caps Emergency Vents, Phase II Product Gas Vapor Adapters, and Spill Container Drain Valve, shall be conducted	As required	District, ABB, CEC	AT + AS												
No	No	N/A	N/A	N/A	N/A	N/A	AQ-57		Technician training	DELETE - see actions above			AT + AS												
Yes	Yes	Accomplished	GST Gasoline Use Records	Recurent	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 accordance with a District approved plan. In addition public notice and/or comment period may be required. (Regulation XI, Rule 204)	ACR	CEC	AT + AS					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 the District.	As required	District	AS												
Yes	Yes	Accomplished	EVR OBM Manual/EVR Operating Records	Continuous	N/A	N/A	AQ-59	COMM & OPS	EVR Phase I	The project owner shall install, maintain, and operate Infrared Vapor Recovery EVR Phase I and Phase II in compliance with current ABB Executive Orders with the exception that hanging hardware shall be EVR Balance Phase II type hanging hardware Vapor Recovery Technologies not of other ABB Approved EVR Phase II Hardware). In the event of conflict between these permit conditions and/or the referenced ABB Executive Orders, the more stringent shall govern.	As required	District, ABB, CEC	AT												
No	No	N/A	N/A	N/A	N/A	N/A	AQ-60		Deleted																
No	No	N/A	N/A	N/A	N/A	N/A	AQ-60	COMM & OPS	Operation Requirements	The project owner shall install, maintain, and operate this requirement in compliance with these permit conditions and 40 CFR Part 63 Subpart CCCC; in the event of conflict the more stringent requirements shall govern. (Rule 204)	As required	District, ABB, CEC	AT + AS												
Yes	Yes	Accomplished	Gasoline Storage Tank OBM Procedure	Continuous	N/A	N/A	AQ-60	COMM & OPS	Operation Requirements	The project owner shall make the site available for inspection of records by representatives of the District, ABB, and the Energy Commission.	As required	District, ABB, CEC	AT + AS												
Carbon Adsorption System																									
Yes	Yes	Accomplished	Carbon Adsorption System OBM 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.	As necessary	District, CEC	AT + AS												
Yes	Yes	Accomplished	Carbon Adsorption System OBM 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 utilization/operation system with valid District permit.	As necessary	District	AT + AS												
Yes	No	Accomplished	Carbon Adsorption 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 utilization/operation system under valid District Permit 801046 and 8011847. 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	AT + AS					MDAQMD Approval AQ63 Addendum - Science Test Protocol Plan 16/15 MDAQMD Approval AQ63							
Yes	No	Accomplished	Carbon Adsorption System Operating Records	Milestone	N/A	The initial test results shall be submitted to the District and to the CMA 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 utilization/operation system under valid District Permit 801046 and 8011847. 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 CMA within 180 days of initial start-up.	District, CEC	AT + AS					07/27/15 Submittal AQ63-00-00 #861 Carbon Adsorption Test Report (approved by the MDAQMD)	08/11/15 Approval AQ63-00-00 Carbon Adsorption Test Report						
Yes	No	Accomplished	Carbon Adsorption System Operating Records	Recurent	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	ACR	CEC	AS												
No	No	N/A	N/A	N/A	N/A	N/A	AQ-64		Deleted																
Yes	No	Accomplished	Carbon Adsorption 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 changeout 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 CMA for review the required monitoring and changeout plan.	60 days prior to commercial operation date	District	AT					07/27/14 AQ64-01-00 Submittal Carbon Adsorption System Monitoring and Change Out Plan - Revision B	09/05/14 AQ-64-01-00 Approved Revised and Condensed Monitoring and Change Out Plan for the Carbon Adsorption System	11/12/15 Submittal AQ64-02-00 MDAQMD Extension to 2/28/15 Monitoring and Change Out Plan					
Yes	Yes	Accomplished	Carbon Adsorption System OBM Procedure/Carbon Adsorption System Operating Records	Recurent	Annual	ACR	AQ-65	COMM & OPS	VOC Emission Limit	Total emissions of volatile organic compounds (VOC) to the atmosphere shall not exceed PSD-1 (byweight, calculated based on the most recent test results).	ACR	CEC	AT + AS												
No	No	N/A	N/A	N/A	N/A	N/A	AQ-66		Deleted																
Yes	Yes	Accomplished	Carbon Adsorption System OBM Procedure/Carbon Adsorption System Operating Records	Recurent	Annual	ACR	AQ-66	COMM & OPS	Benzene Emission Limit	Total emissions of benzene to the atmosphere shall not exceed 507.4 (byweight, calculated based on the most recent test results).	ACR	CEC	AT + AS												
No	No	N/A	N/A	N/A	N/A	N/A	AQ-67		Deleted																
Yes	Yes	Accomplished	Carbon Adsorption System OBM Procedure/Carbon Adsorption System Operating Records	Recurent	Weekly	N/A	AQ-67	OPS	VOC Hexane/PHD	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					10/29/2014 Submittal AQ67-00-00 Carbon Adsorption System VOC Monitoring procedure & PID Specifications [submittal] 10/23/2014 Submittal AQ67-00-00 Carbon Adsorption System VOC Monitoring procedure	11/13/2014 Approval AQ-67-00-00 Carbon Adsorption System VOC Monitoring procedure and PID specifications (reapproved)						
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 manufacturer.	As necessary	District, CEC	AS												

EN Req	Applicable for KPI	Progress	EMS Plan Link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submit Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Drw/Docs	Actual Submittal Date Drw/Docs	Actual Approval Date Drw/Docs	(Submittal due to Change)	Approved As Built	Approved Inspection	COO				
Yes	Yes	Accomplished	Carbon Absorption System Operating Records	Continuous	N/A	N/A	AQ-68	OPS	VOC Monitoring Logs	The project owner shall maintain an operations log (in electronic or hardcopy format) current and on-site 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 outs.	The project owner shall make the site available for inspection of records and equipment by representatives of the District, AEM, and the Energy Commission.	District, CEC	AS													
Yes	Yes	Accomplished	Carbon Absorption 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				01/09/18 AQ70-03-00; 01/10/18 AQ70-03-01 and 01/10/18 Annual emission report submittal 01/17/17 AQ70-03-00 Annual Summary VOC emissions report (09-AEC-00). Based on Annual Test Results 2015 Submittal AQ70-74-00-00 Request to extend the testing period to 2/29/15									
Yes	No	Accomplished	N/A	Continuous	N/A	N/A	AQ-71	OPS	Stack Sampling/Pur 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	ATAS													
Yes	No	Accomplished	Compliance Certification Test Plan - Protocol Submittion	Milestone	N/A	30 Days Prior to the Compliance /Certification Test	AQ-72	COMM	Compliance Certification Test Plan - Protocol Submittion	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					1/22/15 09-2427-00-01 Annual Compliance Test results for VOC & Benzene Emissions, Carbon System. 02/10/15 AQ72-06-00 Annual Compliance Test results for VOC.									
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 CEM 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					AQ70-74-00-00 Submittal Request to extend the testing period to 4/20/15 for carbon									
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 CEM within forty-five (45) days after the tests are concluded.	45 Days after testing	District, CEC					2/26/15 Submittal AQ70-74-00-00 Request to extend the testing period to 4/20/15 for the Mojave Solar carbon									
Yes	No	N/A	N/A	N/A	N/A	N/A	AQ-73	COMM	Heavane & 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 heptane in ppmvd and lb/hr (measured per USEPA Reference Methods 25 and 18 or equivalent); b. Benzene in ppmvd and lb/hr (measured per AER Method 415 or equivalent).	180 working days before the execution of the compliance test	Compliance Test Notification	AT + ASI				2/26/15 Submittal AQ70-74-00-00 Request to extend the testing period to 4/20/15 for the Mojave Solar carbon adsorption filters.									
Yes	No	Accomplished	Carbon Absorption System Operating Records	Milestone	N/A	(30) working days before the execution of the compliance test	AQ-73	COMM	Heavane & 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 heptane in ppmvd and lb/hr (measured per USEPA Reference Methods 25 and 18 or equivalent); b. Benzene in ppmvd and lb/hr (measured per AER Method 415 or equivalent).	(30) working days before the execution of the compliance test		Compliance Test Notification	AT + ASI			2/26/15 Submittal AQ70-74-00-00 Request to extend the testing period to 4/20/15 for the Mojave Solar carbon adsorption filters.									
Yes	Yes	Accomplished	Carbon Absorption System Operating Records	Milestone	N/A	Within 180 days of initial start up.	AQ-73	OPS	Heavane & Benzene Test Results	The test results shall be submitted to the District and to the CEM within 180 days of initial start up.	Within 180 days of initial start up	CEC	AT + ASI				2/26/15 Submittal AQ70-74-00-00 Request to extend the testing period to 4/20/15 for the Mojave Solar carbon adsorption filters.									
Yes	Yes	Accomplished	Carbon Absorption System Operating Records	Recurrent	Annual	25-dec-15	AQ-74	OPS	Heavane & Benzene Testing - Annual	The project owner shall perform the following annual compliance tests on the 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 heptane in ppmvd and lb/hr (measured per USEPA Reference Methods 25A and 18 or equivalent); b. Benzene in ppmvd and lb/hr (measured per AER Method 415 or equivalent).	ACR	CEC	ASI													
Yes	Yes	Accomplished	Carbon Absorption System Operating Records	Recurrent	Every 5 years	After 5 years of commercial operations	AQ-74	OPS	Heavane & Benzene Test Records	As part of the Annual Compliance Report, the project owner shall submit to the District and to the CEM a copy of all compliance test results. Additionally, records of all compliance tests shall be maintained on site for a period of five (5) years and presented to the District upon request.	Five (5) Years	District, CEC	AT + ASI													
Yes	No	Accomplished	N/A	N/A	N/A	N/A	BD-1	PC	Provide Resume of DB.	Submit the resume - The CEC, CDFG, and USFWS have 30 days to approve or deny proposed Designated Biologist. No site or related facility activities shall commence until an approved Designated Biologist is in place.	60 days prior to site mobilization	CEC, CDFG, USFWS	AS	AS	M S	6/29/2011	6/29/2011	8/22/2011								
Yes	No	Accomplished	N/A	N/A	N/A	N/A	BD-1	PC & C OPS	Provide Resume of New DB Prior to Release of Proceeding DB	If an individual is proposed, the resume and the proposed replacement must be submitted to the CEM at least 10 working days prior to the termination or release of the preceding DB. In an emergency, immediately notify the CEM to discuss the qualifications and approval of a short term replacement while a permanent DB is proposed to the CEM for consideration.	10 working days	CEC	AS	AS	H B	As Req.	As Req.	As Req.				BD1-17-00 Designated Biologist 9/17/13 USFWS/CEC approval; BD1-14-01 01/06/2017 Approval Gerald Morias BD1-16-00				
Yes	No	Pending	N/A	N/A	N/A	N/A	BD-2	C OPS	Provide Written Reports to CEC	Submit to the CEM copies of all written reports and summaries that document biological resource compliance activities, including those conducted by Biological Monitors.	MCR	CEC	AS	AS	H B	Monthly	Monthly	Monthly								
Yes	No	Accomplished	N/A	N/A	N/A	N/A	BD-2	C OPS	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	AS	H B	As Req.	As Req.	As Req.								
Yes	Yes	Accomplished	BRM/MP Records Summaries	Recurrent	Annual	25-dec-15	BD-2	OPS	Provide summaries to agencies.	Designated Biologist shall submit record summaries unless their duties are covered as approved by the CEC. Reports shall also be submitted to CDFG and USFWS.	ACR	CEC, CDFG, USFWS	AS	AS	H B	ACR 2014	As Req.	As Req.								
Yes	No	Accomplished	N/A	N/A	N/A	N/A	BD-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 Monitors). 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	AS	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	BD-3	C OPS	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	AS	H B	As Req.	2/28/13 8/13-09-03 Submittal Additional Biological Monitors Samantha Burnett & Carl Bullock 12/01/15 Submittal B03-08-01 Request of Candine POI, Biological Monitor 08/27/2014 CEC submittal Biological Monitor.	3/2/15 8/13-09-01 Submittal Approval Additional Biological Monitors Samantha Burnett & Carl Bullock CEC approval 08/27/2014 CEC approval Biological Monitor Jason Brooks 08/20/2014 B03-07-01 approval Biological Monitor Robert Hernandez								
Yes	No	Accomplished	N/A	milestone	N/A	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 disturbances, grading, construction, and operation activities. Also notify the CEC of the circumstances and actions being taken to resolve the problem.	BD-4	C OPS	Notify CEC immediately of an incident.		Immediately as required	CEC	AS	AS	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/Subject/Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/Manager	Required Approval Date/Draw/Docs	Actual Submittal Date/Draw/Docs	Actual Approval Date/Draw/Docs	(Submittal due to Change)	Approved As Built	Approved Inspection	COO	
Yes	No	Accomplished	N/A	Milestone	N/A	Within five days	BD-4	CONR	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	-	-	-		
Yes	No	Accomplished	N/A	Milestone	N/A	45 days prior to site mobilization	BD-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	06/15/18 BC005-03-06 Revised 06/17/18 BC005-03-05 Revised 05/07/18 BC005-03-04 Revised 5/15/15 BC005-03-00 Submittal Revised WEAP BC05-03-01 03/04/13	BC05-02-01 02/20/13	-	-	-
Yes	No	Accomplished	N/A	Recurrent	Monthly	MCR	BD-5	CONR	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	BD-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	BD-5	CONR, 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	BD-6	PC	Provide the CEC a copy of the BRBMP plan.	Biological Resources Mitigation Implementation and Monitoring Plan (BRBMP) Development and Compliance: Provide the specified document prior to start of any site (or related facilities) mobilization. The CEC will determine the BRBMP's acceptability within 30 days of receipt. If there are any permits that have not yet been received when the BRBMP is first submitted, these permits shall be submitted to the CPM within 5 days of their receipt, and the BRBMP shall be revised or supplemented to reflect the permit conditions within 10 days of their receipt by the project owner. Ten days prior to pre-construction site mobilization the revised BRBMP shall be resubmitted to the CEC. Site mobilization will not occur without an approved BRBMP.	45 days prior to site mobilization	CEC	AS	ASI	M S	6/15/2011	4/1/2011	5/1/2011	08/31/16 BC006-03-02 3/27/15 BC06-01-05 Submittal BRBMP Update Pages (Cover, Rev., Staff, App. B)	-	-	-	
Yes	No	Accomplished	N/A	Recurrent	Monthly	MCR	BD-6	CONR	Implementation of BRBMP measures will be assessed.	Implementation of BRBMP 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	BD-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 BRBMP have been completed.	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	BD-7	PC	Include all mitigation measures in BRBMP.	All mitigation measures and their implementation methods shall be included in the BRBMP.	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	BD-7	CONR	Report measures to CEC.	Implementation of the measures will be reported. 8/17/2012 CEC letter of Decision removed working timing H/S speed limits to 15 mph.	MCR	CEC	AS	ASI	H B	Monthly	Monthly	Monthly	-	-	-		
Yes	Yes	Accomplished	Construction Termination Report	Milestone	N/A	30 days after completion of construction	BD-7	OPS	Provide construction termination report to CEC, CDGF, and USFWS.	Construction termination report identifying how measures have been completed. Additional copies shall be provided to state and USFWS.	30 days after completion of construction	CEC, CDGF, 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	BD-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, identify 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 CDGF and USFWS.	Provide the CEC, CDGF, 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]	10 days prior to site mobilization	CEC, CDGF, 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	BD-9	PC	Submit a report to the CEC, CDGF, and USFWS. This report shall document the results of the inventory and monitoring as described in Page 21 of 2010.	Submit a report to the CEC, CDGF, and USFWS. This report shall document the results of the inventory and monitoring as described in Page 21 of 2010.	within 30 days of completion of GOEA breeding season surveys	CEC, CDGF, USFWS	AS	ASI	M S	3/1/2011	2/1/2011 09/17/2010	3/1/2011 11/07/2010	-	-	-		
Yes	No	Pending	N/A	Milestone	N/A	within 30 days of completion of GOEA non-breeding season surveys (late-summer/early winter 2010)	BD-9	PC	Submit a report to the CEC, CDGF, and USFWS. This report shall document the results of the protocol surveys as described in Page 21 of 2010 or more recent guidance by USFWS (e.g., Page 21 of, in prep).	Submit a report to the CEC, CDGF, and USFWS. This report shall document the results of the protocol surveys as described in Page 21 of 2010 or more recent guidance by USFWS (e.g., Page 21 of, in prep).	within 30 days of completion of GOEA non-breeding season surveys (late-summer/early winter 2010)	CEC, CDGF, 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	BD-9	PC	Provide the CEC, CDGF, 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, CDGF, 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, CDGF, 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	BD-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, CDGF, 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	BD-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, CDGF, 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	BD-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 668-668b). This shall include documentation from the USFWS in the form of written or electronic transcripts 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 BRBMP 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 668-668b). This shall include documentation from the USFWS in the form of written or electronic transcripts 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 BRBMP 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	BD-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	-	-	-		
Yes	No	Accomplished	N/A	Milestone	N/A	45 days prior to site mobilization	BD-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 CDGF. The CEC will determine the plan's acceptability within 15 working days 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 CDGF. The CEC will determine the plan's acceptability within 15 working days 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	BD-11	PC	All modifications to the approved Desert Tortoise plan must be made only after approval by the Energy Commission staff, USFWS, and CDGF.	All modifications to the approved Desert Tortoise plan must be made only after approval by the Energy Commission staff, USFWS, and CDGF.	As required	CEC, CDGF, USFWS	AS	ASI	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/Submit/Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/Manager	Required Approval Date Draw/Docs	Actual Submittal Date Draw/Docs	Actual Approval Date Draw/Docs	(Submittal due to Change)	Approved As Built	Approved Inspection	COO	
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 Transduction Plan.	The project owner shall notify the CEC no fewer than five working days before implementing any CEC-approved modifications to the Transduction 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	1/25/11	3/21/2011 CEC Approved BO11-01-02 Authorization to Construct Tortoise Fence	4.17.2012 CEC Approved BO 11-02-01 (survey addendum)	4.23.2012 CEC Approved BO 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, immediate 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, immediate 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 3/2/11	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	11/20/2012 10/20/2017 BO14-03-00 Approval Entailed Guidance for BO-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 lease/development transfer.	Submit a formal acquisition proposal to the CEC, CDFG and USFWS describing the parcels intended for purchase or lease/development 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 PPLAF submitted to CEC	3/23/2011 to CEC CDFG-Approved Revised PPLAF 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	1/10/2011	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 the 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 the 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.	08/05/2014 BO15-05-01 Submittal Mitigation LOC Response to Information Request and BO-15 Completion	11/18/2014 Submittal BO15-05-03 Response to Information Request and BO-15 Completion	07/19/16 BO15-06-00 Verification of Habitat Disturbance 1/17/15 Approval BO15-05-03 Response to Information Request re Compensation Mitigation LOC Release Request and BO-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 Tamarrak 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 Tamarrak 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 BO16-03-02 Tamarrak Eradication BO16-03-02 Submittal BO16-02-00 Tamarrak Eradication, Monitoring, and Reporting Program, Rev. 01	-	-	-	
Yes	Yes	Accomplished	Tamarrak Eradication, Monitoring, and Reporting Plan Reports	Recurent	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 impacts. [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 impacts. [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	-	-	-		
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 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 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 BO17-00-02 Draft Bird Monitoring Study 01/17/2017 BO17-00-07 MHP Bird Monitoring Study (Redlined)	-	-	-			
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, BO17-00-01	-	-	-	

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 Dwn/Docs	Actual Submittal Date Dwn/Docs	Actual Approval Date Dwn/Docs	(Submittal due to Change)	Approved As Built	Approved Inspection	COO
Yes	Yes	Accomplished	Birds Monitoring and Reporting Plan Reports	Recurent	quaterly	23-April-15	BI0-17	OPS	Reports to the CEC, CDGF and USFWS describing the date, duration and results of monitoring. Reports shall provide a detailed description of any project related bird or wildlife deaths resulting from project activities, including but not limited to: fatalities or injuries detected, and provides recommendations for future monitoring and any adaptive management actions needed. Provided to the CEC, CDGF, and USFWS.	Reports to the CEC, CDGF and USFWS describing the date, duration 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 7 years	CEC, CDGF	AS	ASI	H B	As Req	As Req	As Req	-	-	-	
Yes	Yes	Accomplished	Birds Monitoring and Reporting Plan Reports	Recurent	Annual	23-dec-15	BI0-17	OPS	Annual Report summarizing the year's data, analysis any Project related bird fatalities or injuries detected, and provides recommendations for future monitoring and any adaptive management actions needed. Provided to the CEC, CDGF, and USFWS.	Annual Report summarizing the year's data, analysis any Project related bird fatalities or injuries detected, and provides recommendations for future monitoring and any adaptive management actions needed. Provided to the CEC, CDGF, and USFWS.	ACR	CEC, CDGF, USFWS	AS	ASI	H B	As Req	As Req	As Req	-	-	-	
Yes	Yes	Accomplished	Birds Monitoring and Reporting Plan Reports	Recurent	quaterly	23-April-15	BI0-17	OPS	Quarterly reports shall continue until the CEC, in consultation with CDGF 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 CDGF and USFWS, determine whether more years of monitoring are needed, and whether mitigation and/or adaptive management measures are necessary.	As required	CEC, CDGF, 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	BI0-17	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 completion of construction.	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 completion of construction.	1 year after conclusion of study	CEC, CDGF, USFWS	AS	ASI	H B	As Req	As Req	As Req	11/29/18 BI0-17-07-00 Bird Monitoring Study 2017-2018 Annual Report 08/24/18 BI0-17-05-00 Bird Monitoring 3rd Qtr 10/23/18 BI0-17-04-00 Bird Monitoring	-	-	-
Yes	No	Accomplished	Common Raven Monitoring, Management, and Control Plan	Milestone	N/A	21 days prior to ground disturbance	BI0-18	PC	Provide CEC, USFWS and CDGF with the final version of the Raven Management Plan that has been reviewed and approved by USFWS and CDGF. CEC shall determine the plan's acceptability within 10 days of receipt of the final plan.	Provide CEC, USFWS and CDGF with the final version of the Raven Management Plan that has been reviewed and approved by USFWS and CDGF. CEC shall determine the plan's acceptability within 10 days of receipt of the final plan.	30 days prior to ground disturbance	CEC, CDGF, USFWS	AS	ASI	M S	Original 1/11/2011 Final 03/26/2012	3/26/2012	-	-	-		
Yes	Yes	Accomplished	Common Raven Monitoring, Management, and Control Plan	Milestone	N/A	5 days prior to implementation	BI0-18	PC, COMM, OPS	All modifications to the approved Raven Management Plan must be made only after consultation with the Energy Commission staff, USFWS, and CDGF. 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 CDGF. 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, CDGF, USFWS	AS	ASI	M S	-	-	-	-	-		
Yes	No	Accomplished	N/A	Milestone	N/A	Prior to ground disturbance	BI0-18	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 BI0-15 (SD).	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 BI0-15 (SD).	Prior to ground disturbance	CEC, CDGF, USFWS	AS	ASI	M S	-	-	-	-	-		
Yes	Yes	Accomplished	Common Raven Management Plan Implementation Reports	Milestone	N/A	30 days after completion of construction	BI0-18	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, CDGF, USFWS	AS	ASI	H B	Post COC	-	-	-	-	-	
Yes	Yes	Accomplished	Evaporation Pond Plan	Milestone	N/A	90 days prior to operation pond operation	BI0-19	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, CDGF, USFWS	AS	ASI	H B	-	-	-	6/26/15 Submittal BI0-19-00-05 Evaporation Pond and Adaptive Management Plan, Rev. 4.3 3/24/15 BI0-19-00-04 Submittal Evaporation Pond and Adaptive Management Plan, Rev. 4.1 2/13/15 Submittal BI0-19-00-03 Evap Pond Plan Rev 4 10/24/14 BI0-19-00-02 Submittal Evap Pond Plan (Rev.3) 8/12/2014 BI0-19-00-01 Submittal Evap Pond Plan (Rev.2)	-	-	-
Yes	Yes	Accomplished	Evaporation Pond Plan	Milestone	N/A	30 days prior to operation of evap ponds	BI0-19	COMM & OPS	Provide the CEC, USFWS, RWQCB and CDGF with the final version of the Plan that has been reviewed and approved by the CEC in consultation with USFWS, RWQCB, and CDGF.	Provide the CEC, USFWS, RWQCB and CDGF with the final version of the Plan that has been reviewed and approved by the CEC in consultation with USFWS, RWQCB, and CDGF.	30 days prior to operation of evap ponds	CEC, CDGF, USFWS	AS	ASI	H B	-	-	-	-	-		
Yes	Yes	Accomplished	Evaporation Pond Plan	Continuous	N/A	Within 5 days before implementing the approved modification	BI0-19	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, CDGF, USFWS	AS	ASI	H B	As Req	As Req	-	-	-		
Yes	No	Accomplished	N/A	Milestone	N/A	15 days prior to decommissioning well	BI0-20	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 Harter Dry Lake Marsh. Proof shall include, but not be limited to, a description of the well parameters, as submitted to CEC.	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 Harter Dry Lake Marsh. Proof shall include, but not be limited to, a description of the well parameters, as submitted to CEC.	15 days prior to decommissioning well	CEC	AS/AS	AS	T B	8/15/2012	9/24/2012	12/4/2012	-	-	-	
Yes	No	Pending	N/A	Milestone	N/A	45 days prior to site mobilization	BI0-21	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 BRMMP and will be implemented.	45 days prior to site mobilization	CEC	AS	AS	M S	6/15/2011	3/18/2011	NA	12/13/18 BI0-21-06-00 Biological Opinion Annual Compliance Report 2018 12/08/17 BI0-21-05-00 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	CRS	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 the project's construction.	20 days prior to ground disturbance	CEC	AS	CRS	CRS	6/15/2011	4/1/2011	8/1/2011	-	-	-	
Yes	No	Accomplished	N/A	Milestone	N/A	5 days prior to CRMs beginning onsite 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 CEC identifying the CRMs and alternates for approval by CEC.	5 days prior to CRMs beginning onsite duties	CEC	AS	CRS	CRS	8/29/2011	4/1/2011	8/29/2011	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 Approval CUL-15-00 Cultural Resource Specialist CUL-14-00 4/21/14	-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	10 days prior to ground disturbance	CUL-1	PC	Confirms to CEC in writing that CRS is available and site.	Project owner shall confirm in writing to the CEC that the approved CRS will be available for onsite work and is available for the project.	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 REAT, title responses, and confidential cultural resource documents to the CRS if needed, and the subject maps and drawings to the CRS and CTRM. The CTRM will review submittal in consultation with the CRS and approve maps and drawings suitable for cultural resource monitoring.	40 days prior to ground disturbance	CEC	AS	M S	7/29/2011	4/1/2011	7/29/2011	-	-	-		
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 reports, revised maps and drawings shall be provided.	If there are changes to any project-related reports, revised maps and drawings shall be provided.	15 days prior to ground disturbance	CEC	AS	AS	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	M S	8/1/2011	4/1/2011	8/1/2011	-	-	-		
Yes	No	Accomplished	N/A	Recurent	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 either email or by hard copy.	Weekly during ground disturbance	CEC	AS	AS/ Staff	AS/ 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	AS/ Staff	AS/ 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 CRMMP to the CEC for review and approval.	30 days prior to ground disturbance	CEC	AS	M S	7/29/2011	6/1/2011	7/29/2011	-	-	-		
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 caution fees for any materials collected as a result of the archaeological investigations.	Letter provided to the CEC indicating that the owner agrees to pay caution fees for any materials collected as a result of the archaeological investigations.	30 days prior to ground disturbance	CEC	AS	AS	M S	7/29/2011	6/1/2011	7/29/2011	-	-	-	
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 (CRS) 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 (CRS) 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	AS/ Staff	AS/ Staff	10/19/2014	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/Submit Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date/ Draw/Docs	Actual/ Submittal Date/ Draw/Docs	Actual Approval Date/ Draw/Docs	(Submittal due to Change)	Approved As Built	Approved Inspection	COO	
Yes	No	Accomplished	N/A	Milestone	N/A	30 days after completion of ground disturbance (including landscaping)	CEL-4	CONS	Provide copy of agreement with, or other written commitment from, a suitable facility that meets the standards stated in the CA State Historical Resources Commission Guidelines for the Care of Archaeological Collections, to accept cultural materials, if any, from this project. Any agreements concerning curation will be retained and available for audit for the life of the project.	Provide copy of agreement with, or other written commitment from, a suitable facility that meets the standards stated in the CA State Historical Resources Commission Guidelines for the Care of Archaeological Collections, to accept cultural materials, if any, from this project. Any agreements concerning curation will be retained and available for audit for the life of the project.	90 days after completion of ground disturbance (including landscaping)	CEC	AS	ASI Staff	ASI Staff	10/12/2014	10/29/2014 C034-00-01 Cultural Resources Report - Confidential 11/2/2017 C034-00-02 Cultural Resources Report - Release of Artifacts & Docs - Confidential	As Req		-	-	-	
Yes	No	Accomplished	N/A	Milestone	N/A	within 10 days of CEC approval	CEL-4	CONS	Provide documentation to the CEC confirming that copies of the CRH have been provided to the SHPO, the CHRS and the curating institution, if archaeological materials were submitted.	Provide documentation to the CEC confirming that copies of the CRH have been provided to the SHPO, the CHRS and the curating institution, if archaeological materials were collected.	within 10 days of CEC approval	CEC	AS	ASI Staff	ASI Staff	7/19/2014	As Req	As Req		-	-	-	
Yes	No	Accomplished	N/A	Milestone	N/A	within 30 days after requesting a suspension of construction activities	CEL-4	CONS	Submit a draft CRH to the CEC for review and approval.	Submit a draft CRH to the CEC for review and approval.	within 30 days after requesting a suspension of construction activities	CEC	AS	ASI Staff	ASI Staff	8/12/2014	As Req	As Req		-	-	-	
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to ground disturbance	CEL-5	PC	The CRH shall provide the training program draft text and graphics and the informational brochure to the CEC for review and approval. The CRM will provide to the project owner a WEAP Training Acknowledgement form for each WEAP-based worker to sign.	The CRH shall provide the training program draft text and graphics and the informational brochure to the CEC for review and approval. The CRM will provide to the project owner a WEAP Training Acknowledgement form for each WEAP-based 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	CEL-5	COMM	On a monthly basis, until ground disturbance is completed, the project owner shall provide in-kind acknowledgement forms of workers at the project site and on the linear facilities who have completed training in the prior month and a training 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-kind acknowledgement forms of workers at the project site and on the linear facilities who have completed training in the prior month and a training 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	CEL-6	PC	CEC will provide to the CRH an electronic copy of a form to be used as a daily monitoring log.	CEC will provide to the CRH 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	CEL-6	CONS	While monitoring is ongoing, include a copy of the monthly summary report of cultural resource-related monitoring prepared by the CRH.	While monitoring is ongoing, include a copy of the monthly summary report of cultural resource-related monitoring prepared by the CRH.	MCR	CEC	AS	ASI Staff	ASI Staff	As Req	As Req	As Req		-	-	-	
Yes	No	Accomplished	N/A	Recurrent	Daily	N/A	CEL-6	CONS	As long as no cultural resources are found, the CRH shall provide a statement that "no cultural resources over 50 years of age were discovered" to the CEC as an email, or in some other form acceptable to the CEC. If the CRH 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.	As long as no cultural resources are found, the CRH shall provide a statement that "no cultural resources over 50 years of age were discovered" to the CEC as an email, or in some other form acceptable to the CEC. If the CRH 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	CEL-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	CEL-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		-	-	-	
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to ground disturbance	CEL-7	PC	Provide CEC and CRH letter confirming that the CRH, whenever CRH 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 CRH notifies the CEC within 24 hours of a discovery or by Monday morning if the cultural resource discovery occurs between 8:00 AM on Friday and 8:00 AM on Sunday.	Provide CEC and CRH letter confirming that the CRH, whenever CRH 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 CRH notifies the CEC within 24 hours of a discovery or by Monday morning if the cultural resource discovery occurs between 8:00 AM on Friday and 8:00 AM on Sunday.	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.	CEL-7	CONS	Complete IPR 5.2 forms for resource 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 recollection/recovery, whichever the CRH decides is more appropriate for the project cultural resources.	Complete IPR 5.2 forms for resource 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 recollection/recovery, whichever the CRH decides is more appropriate for the project cultural resources.	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	AT + AS	Permitting/ASI	S PAI B	2013 Submittal HAZ1-03-00 SPCD approved permit for above ground gasoline and diesel	1/08/18 HAZ1-04-00 1/09/18 HAZ1-05-00 07/01/2014 HAZ1-02-00 Submittal Updated Chemical List	1/08/18 HAZ1-04-00 09/21/2014 HAZ1-02-00 Approval Updated Chemical List		-	-	-	
Yes	Yes	Accomplished	HMB Plan SPC Plan PPM Plan	Milestone	N/A	60 days prior to receiving hazardous material for COMM or OPS	HAZ-2	CONS	Provide a Haz Mat Business Plan, SPC Plan, and Process Safety Management Plan to SPC for comment and CEC for review.	At least 60 days prior to receiving any hazardous material on the site for commissioning or operation, the project owner shall provide a copy of a final Hazardous Materials Business Plan, Spill Prevention, Control, and Countermeasure Plan, and Process Safety Management Plan to the CEC for approval.	60 days prior to receiving hazardous material for COMM or OPS	SPC/CEC	AT + AS	AS/Permitting	H BS P	12/15/2013	7/23/2013	Chemical cleaning procedure proposal revision - waste water to Baker tank & wash tank 4/21/14 HAZ2-07-00 HAZ2-00-01 PPM SPCD Provided to the CEC 10/29/2013 HAZ2-03-00 SPCD approval 11/25/2013 HMBP 02/19/2014	1/14/18 HAZ2-08-03 Revised 02/22/18 HAZ2-08-03 05/08/17 HAZ2-08-02 08/21/14 HAZ2-07-00 Approval Revised HMBP 2/21/14 Approval HAZ2-04-00 4/29/14 Approval HAZ2-05-00 HMBP HAZ2-03-00 03/25/2014 revised 03/26/2014 HAZ2-03-00		-	-	-
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	AT + AS	AS/Permitting	H BS P	8/15/2013	7/16/2013	HAZ3-01 Safety Management Plan Provided to the CEC 07/16/2013 CEC approval 08/01/2013 Revised 10/31/2013 CEC approval		-	-	-	
Yes	No	Accomplished	N/A	Milestone	N/A	60 days prior to commencement of solar array construction	HAZ-4	CONS	Provide the design drawings as described in CEC 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.)	Provide the design drawings as described in CEC 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	AT	Permitting	S P	4/12/2013	8/12/2012 Initial, 4/12/2013 Final	6/9/2013		-	-	-	
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	AT	Permitting	S P	4/24/2013	6/20/2013 Initial, 6/24/2013 Final	6/20/2013		-	-	-	
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	AT + AS	AS/Permitting	H BS P	12/15/2013	12/17/2013	HAZ6-00-00 SMT TO THE CEC 12/17/2013 CONDITIONAL APPROVAL 01/02/2014 FINAL APPROVAL 02/19/2014		-	-	-	
Yes	Yes	Accomplished	HMB Plan/HMB Plan Records	Recurrent	Annual	23-dec-15	HAZ-6	COMM & OPS	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 approved 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.	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 approved 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 HAZ6-01-011 CEC approved 03/03/2014		-	-	-	

EN Req	Applicable for KPI	Progress	EMS Plan link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submit Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Dwg/Docs	Actual Submittal Date Dwg/Docs	Actual Approval Date Dwg/Docs	(Submittal due to Change)	Approved As Built	Approved Inspection	COO	
Yes	No	Accomplished	N/A	Milestone	N/A	60 days prior to commencement of solar array piping construction	HAZ-7	CONS	Provide HTI crossing plans for Harper Lake Road to the CEC for review and approval.	Prepare the design drawings an excavation cut into 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 lines that are required to cross Harper Lake Road or Lockhart Road will be absent underground for the crossing. 01/12/2012 CEC Notice of Decision noted fire water loops need not be placed	60 days prior to commencement of solar array piping construction	CEC	AT	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 (copies of the recorded agricultural conservation easements) or fee title deed of protected farmland to the approved land trust along with documentation of payment of stewardship and enforcement endowment funds to the land trust. 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 mitigation program only if: Provide security deposit sufficient to cover the estimated acquisition costs of a conservation easement or fee title purchase of farmland mitigation. Security deposit based on an independent appraisal conducted or 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.	30 days prior to commencement of ground-disturbing activities within the 128-acre crop circle area identified for farmland mitigation.	CEC	AS	AS	M S	7/29/2011	1/5/2012	1/6/2012	Verification changed by LAND-01-00 Submittal 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 mitigation program only if: Provide security deposit sufficient to cover the estimated acquisition costs of a conservation easement or fee title purchase of farmland mitigation. Security deposit based on an independent appraisal conducted or 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	AS/ 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 lease purchase agreements.	Annual Compliance Report once construction	CEC	AS	AS/ Staff	MS	As Req.	As Req.	As Req.	10/19/00	-	-	-	
Yes	Yes	Accomplished	N/A	Milestone	N/A	12 months prior to planned closure/commissioning	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 94.29.000, 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 County Energy Commission's requirements and standards related to the issue 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/CBC	AS	AS/ Staff	AS/ Staff	As Req.	As Req.	As Req.	10/19/00	-	-	-	
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. Must include evidence of compliance with all conditions and requirements associated with the approval of the Certificate of Merge under Section of Lot Line Map by the county. If all parcels or portions of parcels are not owned by the PT 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/CBC	AS	AS	M S	6/29/2011	7/22/2011	7/28/2011	1/6/19/00	-	-	-	
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	AS	M S	6/14/2011	2/29/2011	8/1/2011		-	-	-	
Yes	Yes	Accomplished	N/A	Continuous	N/A	N/A	NOISE-1	CONS & OPS	Maintain compliant phone line	Maintain Noise compliant phone line for 1 year after CDD. The project owner shall file a noise compliance notification 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 complainant 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	During construction to 1 year after CDD.	CEC	AT & AS	Permitting/AS	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.	Maintain Noise compliant phone line for 1 year after CDD. The project owner shall file a noise compliance notification 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 complainant 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	within 5 days of receiving complaint	CEC	AT + AS	Permitting/AS	M S/SP	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 all CDDA upon request.	30 days prior to ground disturbance	CEC/CAL/OSHHA	AT + AS	Permitting/AS	M S/SP	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 L1-1 on a windy day.	Conduct a 25-hour survey at L1-1 on a windy day. It shall include measurement of one-third octave band sound pressure levels to ensure that no part have noise components have caused by the project.	within 90 days of project achieving sustained output >= 90% of rated capacity	CEC	AS	AS/ 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 ensure compliance with the listed noise limit, and a schedule for implementing these measures. When the measures are in place, the project owner shall submit	within 30 days of completing survey	CEC	AS	AS/ 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 section.	within 30 days of completing new survey	CEC	AS	AS/ Staff	H B	As Req.	-	-	-	-	-	-	
No	No	N/A	N/A	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	AS/ Staff	H B	As Req.	-	-	-	-	-	-	
No	No	N/A	N/A	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/OSHHA on request.	within 30 days of completing survey	CEC	AS	AS/ 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	AS	M S	6/29/2011	5/29/2011 ND86-01-00 approved 6/29/11	7/12/2013 APPROVED 07/12/2013 APPROVED 07/12/2013 APPROVED 12/20/2013	7/12/2013 APPROVED 07/12/2013 APPROVED 12/20/2013		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	15 days prior to the first steam blow	NOISE-7	COMMM	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, faxes, 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 L1-1, ST-1 and ST-2 and the results reported	15 days prior to the first steam blow	CEC	AT + AS	Permitting/AS	H B/SP	4/18/14 NOISE-03-00 Submittal	10/20/2014 Submittal NOISE-7-01-00 Steam Blow noise level meter readings 4/18/14 NOISE-03-00 Submittal		-	-	-		
No	No	Accomplished	Cooling Water Management Plan	Milestone	N/A	60 days prior to commencement of cooling tower construction	PUBLIC HEALTH-1	COMMM	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	AT + AS	AS/Permitting	H B/SP	5/1/2014	Public Health-1-00-0 3/14/2014	Public Health-1-00-0 3/26/2014		-	-	-	
Yes	No	Pending	DESCP	Milestone	N/A	No later than 60 days prior to site mobilization	SOILWATER-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 CIVL-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		AT	Permitting	S P	6/29/2011	Topsoil reuse 3/4/11 SWAT1-01-01 Draft DESCP 3/7/11 SWAT1-02-00 Final DESCP 3/21/14 SWAT1-03-00	Topsoil reuse 3/4/11 SWAT1-01-01 Draft DESCP 3/7/11 SWAT1-02-00 Final DESCP 3/21/14 SWAT1-03-00		-	-	-	
Yes	No	Pending	DESCP	Milestone	N/A	After review comments have been received	SOILWATER-1	PC	Submit DESCP Plan to CEC, SBC and RWQCB	Provide a copy of the Drainage, Erosion, and Sediment Control Plan (DESCP) to the County of San Bernardino and the RWQCB for review and comment. CPM shall consider comments from county and RWQCB and approve the DESCP based on comments as appropriate.	After review comments have been received		AT	Permitting	S P	6/29/2011	4/29/2011	6/29/2011	5/5/2014 SWAT1-03-00 Approval DESCP revision	-	-	-	
Yes	No	Accomplished	N/A	Recurrent	Monthly	MCR	SOILWATER-1	CONS	Provide SWPPP Updates 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	CFM	AT	Permitting	S P	Monthly	Monthly	Monthly		-	-	-	
Yes	Yes	Accomplished	BMP Monitoring Plan/BMP Monitoring Plan Records	Recurrent	Annual	23-dec-15	SOILWATER-1	OPS	Provide SWPPP Updates 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 effectiveness of the storm water BMPs.	Annually once operational	CEC	AT	Permitting	S P	Annually	Annually	Annually		-	-	-	
Yes	Yes	Accomplished	N/A	Continuous	N/A	N/A	SOILWATER-1	CONS & OPS	Provide 2 Copies of SWPPP Updates to CEC.	Provide the CPM with two copies each of all monitoring or compliance reports.	As required	CEC	AT + AS	Permitting/AS	H B/SP	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 Dwg/Docs	Actual Submittal Date Dwg/Docs	Actual Approval Date Dwg/Docs	(Submitted due to Change)	Approved As Built	Approved Inspection	COO	
Yes	Yes	Accomplished	Groundwater Monitoring and Reporting Fluvioaquifer Pond Closure Plant 1U Closure Plant Reasonable Foreseeable Release Regional Remediation Fluvioaquifer Compliance Record	Milestone	N/A	No later than 60 days prior to wastewater or stormwater discharge or use of land treatment units	SOILWATER.2	CONS & OPS	The project owner shall comply with the Waste Discharge Requirements (WDR) 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 CFM, 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	ART + AS	Permitting/AS	H B5 P	1/29/2014 Submittal SWAT2-13-00 Condensate ROP test waters for dust control DMFGMN rev 4	11/05/2014 Approval SWAT2-13-00 Condensate ROP test waters for dust control DMFGMN rev 4	10/22/2014 Approval SWAT2-11-00 Steam blow test wastewater control DMF and GMP 09/03/2014 Approval (Temporary Discharge Continued) Cooling Tower Test Water/Water/Water Control 08/29/2014 Approval (Temporary Discharge Continued) Cooling Tower Test Water/Water/Water Control 6/29/2014 SWAT2-08-00 Submittal DMP & GMP Control 6/6/2013 for LTU's	10/22/2014 Approval (Temporary Discharge Continued) Cooling Tower Test Water/Water/Water Control 07/25/2014 CEC Approval Conditional Use of Evaporation Ponds 07/08/2014 Conditional Approval DMP and GMP 7/22/2014 SWAT2-10-01 Submittal 8/6/2013 for LTU's, 6/11/2013 for Evap Pond SWAT2-03-01 Monitoring Wells into the CEC 11.26.2013	10/22/2014 Approval SWAT2-13-00 Condensate ROP test waters for dust control DMFGMN rev 4 2/6/15 Submittal SWAT2-14-00 Ponding Water for Dust Control 11/24/14 SWAT2-13-00 Approval SWAT2-12-00 DMFGMN rev 4 8/29/2014 Approval SWAT2-09-05 DMP and GMP 8/2/14 Performance Bond for Closure and the Performance Bond for Corrective Action sent to CEC. 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 Performance Bond for Closure and the Performance Bond for Corrective Action received by CEC 6/27/14 SWAT2-08-02 Approved by CEC Cooling Tower/WTP	-	-	-
Yes	Yes	Accomplished	WDR's Compliance Records	Milestone	N/A	Prior to initiation of any design, construction, or operational changes	SOILWATER.2	CONS & OPS	Any changes to the design, construction, or operation of the treatment units, or storm water system shall be requested in writing to the CFM, with copies to the Lahontan RWQCB, and approved by the CFM, in consultation with the Lahontan RWQCB, prior to initiation of any changes.	Submit any design changes to CEC and LWQCB for review and approval.	Prior to initiation of any design, construction, or operational changes	Request in writing any changes to CEC with copies to Lahontan RWQCB	ART + AS	Permitting/AS	H B5 P	As Req.	8/5/13 for LTU's 1/1/14 1/6/14 for Rev2 Monitor Well Install 1/9/14 for Rev3 Monitor Well Install	8/5/13 for LTU's SWAT2-02-00 1/1/14 Rev3 Monitor Well Install SWAT2-05-02 02/15/2017 SWAT2-15-00 Installation of new set of Evaporation Ponds	-	-	-		
Yes	Yes	Accomplished	N/A	Recurent	Annual	23-dec-15	SOILWATER.2	OPS	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 water discharge permit fee associated with this permit to the Water Board.	Pay Annual Discharge Fees to LRWQCB and send a copy of receipt to CEC.	Annually	Pay annual fees to Lahontan RWQCB. Provide a copy of receipt to CEC.	AS	AS	H B	As Req.	As Req.	As Req.	-	-	-		
Yes	Yes	Accomplished	WDR's Compliance Records	Continuous	N/A	N/A	SOILWATER.2	OPS	Provide CEC all monitoring reports with copies to RWQCB	Submit to the CFM 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 treatment units.	As required	Provide a copy of any monitoring reports required by the WDRs to CEC, with a copy to Lahontan RWQCB	AS	AS	H B	As Req.	As Req.	As Req.	-	-	-		
Yes	No	Accomplished	Channel Maintenance Plan	Milestone	N/A	60 days prior to commercial operation	SOILWATER.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 CFM 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 operation	AT	Permitting	S P	5/12/2014	5/10/14 SWAT4.00.00	6/5/2014	-	-	-		
Yes	Yes	Accomplished	Channel Maintenance Plan	Milestone	N/A	60 days prior to implementing changes	SOILWATER.3	CONS & OPS	Notify CEC of any changes to Channel Maintenance Plan	Provide written notification to the CFM 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 CFM at least 60 days in advance of any changes to the Channel Maintenance Plan.	ART + AS	Permitting/AS	H B5 P	As Req.	As Req.	As Req.	-	-	-		
Yes	Yes	Accomplished	Channel Maintenance Plan	Milestone	N/A	When the Channel Maintenance Plan is issued	SOILWATER.3	CONS & OPS	Implement the Channel Maintenance Plan.	Implement the Channel Maintenance Plan in Item D (Channel Maintenance Plan and Reporting)	As required	CFM	ART + AS	Permitting/AS	H B5 P	As Req.	As Req.	As Req.	-	-	-		
Yes	Yes	Accomplished	Channel Maintenance Training Records	Recurent	Annual	23-dec-15	SOILWATER.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	CFM	ART + AS	Permitting/AS	H B5 P	As Req.	As Req.	As Req.	-	-	-		
Yes	Yes	Accomplished	Annual Channel Maintenance Report	Recurent	Annual	23-dec-15	SOILWATER.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 CFM an annual report indicating which maintenance activities were performed	AS	AS	H B	-	-	-	-	-	-		
Yes	No	Pending	N/A	Milestone	N/A	60 days prior to construction of on-site groundwater wells	SOILWATER.4	CONS	The 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 from the...	Submit a Groundwater Monitoring and Management Plan to the County of San Bernardino for review and comment (see Condition of Certification SOILWATER.6)	60 days prior to construction of on-site groundwater wells	SIC	AT	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	SOILWATER.4	CONS	Submit to CEC a copy of the Well Abandonment Packet.	Submit to the CFM 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 CFM a copy of the water well abandonment and construction packet submitted to County of San Bernardino no later than 60 days prior to abandonment of the on-site groundwater wells	AT	Permitting	S P	6/29/2011	4/17/15 Submittal SWATA-17-00 Beta 3 discharge to BLM wetlands Wells #27, 28, 29 1/2/12 SWAT4-04-00 5/18/12 Wells #3, 18, 20, 25, 26 5/14/12 Welland & Ryden well 5/29/12 Production wells 2/16/12	10/26/2011 Submittal SWATA-16-00 SIC well permit/completion reports for abandonment of Alpha & Beta evap ponds monitoring wells 9/9/2014 Approval SWATA-16-01 Revised Well Certification Letter Alpha 1, 2, Beta 1, 4, Monitoring Well Beta 1 9/4/2014 Submittal SWATA-13-00 Well Certification Letter Alpha 1, 2, Beta 1, 4, Monitoring Well Beta 1 9/6/2014 Submittal SWATA-12-00 Beta 4 Well SIC sign-off 6/12/2012 Submittal SWATA-05-00 New Beta location 02/04/2014 Approval SWATA-10-00 Beta 4 location	-	-	-		
Yes	No	Accomplished	N/A	Milestone	N/A	30 days prior to construction of on-site water supply wells	SOILWATER.4	CONS	Submit to CEC a copy of any comments from SIC	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 CFM a copy of any written comments from County of San Bernardino indicating whether 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.	AT	Permitting	S P	6/29/2011	-	-	-	-	-	-	
Yes	No	Accomplished	N/A	Milestone	N/A	60 days after installation of each well	SOILWATER.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 CFM copies of the well completion reports submitted to CA DWR no later than 60 days after installation of each well	AT	Permitting	S P	-	9/29/15 Withdrawal SWATA-17-00 Beta 3 discharge to BLM wetlands 4/17/15 Submittal SWATA-14-00 Beta 3 discharge to BLM wetlands 10/10/2014 Approval SWATA-14-00 SIC sign-off for Alpha 1 9/30/2014 Submittal SWATA-15-00 Beta 4 12/14/2012 SWATA-06-00 ALPHA 1 & 2 1/2/12 SWATA-09-00 Beta #3 8/26/2013 SWATA-06-00	10/10/2014 Approval SWATA-14-00 SIC sign-off for Alpha 1 Approval SWATA-15-00 Beta 4 12/14/2012 SWATA-06-00 ALPHA 1 & 2 1/2/12 SWATA-09-00 Beta #3	-	-	-		
Yes	Yes	Accomplished	N/A	Milestone	N/A	When a well construction or operation change may	SOILWATER.4	CONS & OPS	Submit 2 Copies of any changes to Well Construction.	Submit two (2) copies to the CFM for review and approval any proposed well construction or operation changes.	During const & op life of well	CEC	ART + AS	Permitting/AS	H B5 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/Submitted Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Draw/Docs	Actual Submittal Date Draw/Docs	Actual Approval Date Draw/Docs	(Submit/due to Change)	Approved As Built	Approved Inspection	COO			
Yes	Yes	Accomplished	Water Well Compliance Reports	Continuous	N/A	N/A	SOILWATER.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 regulatory oversight.	As required	CEC	AS	AS	H B	As Req.	As Req.	As Req.	-	-	-				
Yes	No	Accomplished	N/A	Milestone	N/A	15 days after completion of wells	SOILWATER.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 Waste to Land (23 CCR sections 24150.1) requirements and that any on-site drilling pumps used for project drilling activities were removed in compliance with 23 CCR section 25110.	15 days after completion of wells	CEC	AT	Permitting	S P	As Req.	As Req.	As Req.	-	-	-				
Yes	No	Accomplished	N/A	Recurent	Semi-annual	6 months after start of construction & ea. 6 mos. of construction	SOILWATER.5	CONS	The proposed project's use of groundwater for all construction and operations activities shall not exceed 2,100 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 use and shall be submitted to CEC at least 60 days prior to construction.	6 months after start of construction & ea. 6 mos. of construction	CEC	AT	Permitting	S P	As Req.	As Req.	As Req.	-	-	-				
Yes	No	Pending	N/A	Milestone	N/A	60 days prior to start of construction	SOILWATER.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	AS	M S	As Req.	As Req.	See individual well files	-	-	-				
Yes	Yes	Accomplished	Annual Report for Water Usage	Recurent	Annual	23-dec-15	SOILWATER.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 acre-feet. For calculating the total water use, the term "year" will correspond to the year established for the ACR submittal.	Annually	CEC	AS	AS	H B	Annually	Annually	Annually	-	-	-				
Yes	No	Accomplished	N/A	Milestone	N/A	60 days prior to construction	SOILWATER.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 SOILWATER.6. Submit to the both the CPM all calculations and assumptions made in development of the plan.	60 days prior to construction	CEC	AS	AS	M S	6/29/2011	SWAT6-01-00 6/7/2011 SWAT6-01-01 6/4/2011 SWAT6-09-00 6/2/2014	SWAT6-01-00 7/22/2011 SWAT6-01-01 8/26/2011	09/27/18 SWAT6-21-00 Infection Monitoring Program (IMF) 07/30/18 SWAT6-20-00 Annual and 2nd Semannual detection Monitoring 01/30/18 SWAT6-19-00 Semannual detection Monitoring 07/28/2017 SWAT6-18-00 2016-2017 Annual and Second Semannual Detection Monitoring Program-Groundwater Monitoring Plan Report SWAT6-19-00 2017/2018 Semannual Detection Monitoring Program-Groundwater Monitoring Plan Report 07/19/2017 SWAT6-17-00 2016-2017 Semannual Detection Monitoring Report 08-30-15 SWAT6-12-00 1st QTR 2015 Groundwater Elevation and Quality Monitoring Report 1-30-15 SWAT6-11-00 4th QTR 2014 Groundwater Elevation and Quality Monitoring Report 1/14/2014	06/15 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 (GMR) 1/14/2014 Approval SWAT-06-01-01 Revised GMR Plan 04/16/16 approved 8001 Deep Monitoring Well Completion Reports	-	-	-		
Yes	No	Accomplished	N/A	Recurent	Quarterly	Quarterly	SOILWATER.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, SOILWATER.6. Submit to the CPM all calculations and assumptions made in development of the report data and interpretations.	Quarterly during construction	CEC	AS	AS	H B	As Req.	As Req.	As Req.	Approval	-	-				
Yes	Yes	Accomplished	Wells Monitoring Records	Milestone	N/A	23-Feb-15	SOILWATER.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	AS	AS	Staff	As Req.	As Req.	As Req.	-	-	-			
Yes	Yes	Accomplished	Wells Monitoring Records	Recurent	Quarterly, Bi-Annually, Annually as required.	23-April-15	SOILWATER.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, SOILWATER.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	AS	AS	Staff	As Req.	As Req.	As Req.	-	-	-			
Yes	Yes	Accomplished	Wells Monitoring Records	Continuous	N/A	N/A	SOILWATER.6	OPS	Provide Mitigation as Described in Item 2D, SOILWATER.6.	Provide mitigation as described in item 2D, SOILWATER.6, if the CEC's inspection of the monitoring information confirms projected 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, SOILWATER.6.	As required	CEC	AS	AS	AS	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	SOILWATER.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	AS	AS	Staff	As Req.	As Req.	As Req.	-	-	-			
Yes	Yes	Accomplished	Wells Monitoring Records	Continuous	N/A	N/A	SOILWATER.6	OPS	Submit all calculations and any letters from well owners indicating agreement with calculations.	Submit to the CEC all calculations, along with any correspondence signed by the well owners, indicating agreement with the calculations and any letters from the owners of those wells providing their own agreement with the calculations.	As required	CEC	AS	AS	AS	Staff	As Req.	As Req.	As Req.	-	-	-			
Yes	Yes	Accomplished	N/A	Continuous	N/A	N/A	SOILWATER.6	OPS	Provide proof of payment for mitigation.	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 detailing compensation for increased energy costs necessary for this water production monitoring system 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 not.	As required	CFM	AS	AS	AS	Staff	As Req.	As Req.	As Req.	As Req.	As Req.	As Req.	-	-	-
Yes	Yes	Accomplished	Wells Monitoring Records	Recurent	Every five years	23-dec-19	SOILWATER.6	OPS	Submit 5-year monitoring report after initial 5-year period and every 5-year after.	Submit to the CEC 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 not.	Every 5 years	CFM	AS	AS	AS	Staff	As Req.	As Req.	As Req.	-	-	-			
Yes	Yes	Accomplished	Wells Monitoring Records	Milestone	N/A	within 10 days of receipt	SOILWATER.6	CONS & OPS	Provide CEC all monitoring reports, complaints, studies and other relevant data for the life of project. Every reference to pre-construction conditions shall be established for all wells in the monitoring network established by Condition of Certification SOILWATER.6, including all monitoring wells that are installed to comply with Waste Discharge Requirements for the excavation ponds and land treatment unit associated with the project, the existing BLM well and any reinstalled or newly installed wells.	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	AS	AS	Staff	As Req.	As Req.	As Req.	-	-	-			
Yes	No	Accomplished	Groundwater Monitoring and Reporting Plan/Groundwater Reports	Milestone	N/A	60 days prior to construction	SOILWATER.7	PC	Submit Pre-Construction Groundwater quality report 30 days prior to start of construction	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	CEC	AS	AS	M S	6/29/2011	6/7/2011 SWAT6-01-01 6/4/2013 SWAT6-09-00 6/20/14	SWAT6-01-00 6/7/2011 SWAT6-01-01 8/26/2011	www.enr.com approved 8/20/13 Deep Monitoring Well Completion Reports Submittal reason: completion of Deeper	-	-	-			
Yes	No	N/A	N/A	PC	Submit Pre-Construction Groundwater quality report 30 days prior to start of construction	SOILWATER.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	CEC	AS	AS	M S	7/29/2011	6/7/2011	7/29/2011	-	-	-					
Yes	Yes	Accomplished	Groundwater Quality Report	Recurent	Semi-annual	23-June-15	SOILWATER.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	CEC	AS	AS/CH2M Hill	H B/W B	7/29/2011	6/7/2011	7/29/2011	-	-	-				

EN Req	Applicable for KPI	Progress	EMS Plan Link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submit Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Draw/Docs	Actual Submittal Date Draw/Docs	Actual Approval Date Draw/Docs	(Submittal due to Change)	Approved As Built	Approved Inspection	COO	
Yes	Yes	Accomplished	Groundwater Monitoring and Reporting Plan/Groundwater Reports	Recurent	Every five years	23-dec-19	SOILWATER-7	OPS	Submit 5-year monitoring report after initial 5-year period and every 5-years after.	After the first 5-year operational site 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 increased or decreased. The monitoring report should be provided to the project, provide to the CEC, all monitoring reports, complaints, studies, and other relevant information.	Every 5 years	Submit to CEC every 5 years	AS	AS	ASI Staff	As Req.	As Req.	As Req.	-	-	-		
Yes	Yes	Accomplished	Groundwater Monitoring and Reporting Plan/Groundwater Reports	Continuous	N/A	N/A	SOILWATER-7	CONS & OPS	Provide CEC all monitoring reports, complaints, studies and other relevant data for file of record.	High transpiration and low evaporation rates may result in water table drawdowns 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 maintained at the project site. Final disposal of the wastewater shall be done in accordance with the wastewater's characteristics and classification and all applicable LORS including any CCR Title 22 Hazardous Waste and Title 23 Waste Discharge to Land LORS.	CEC	Within 10 days of receipt	AS	AS	ASI Staff	As Req.	As Req.	As Req.	-	-	-		
Yes	Yes	Accomplished	Waste Management Plan/Waste Management Records	Continuous	N/A	N/A	SOILWATER-8	COMM & OPS	The project owner shall recycle and reuse all process wastewater streams to the extent practicable.	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.	As required	Project owner shall test all in-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/TAS	Permitting/AS	H B S P	As Req.	08/02/2014 WASTE-01-00 Submittal	08/02/2014 WASTE-01-00 Approval (Operational Waste Management Plan)	-	-	-		
Yes	No	N/A	N/A	N/A	N/A	N/A	SOILWATER-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 Code Title 3, Division 3, Chapter 8, Waste Management, Article 5, Liquid Waste Disposal and Title 3, Division 3, Chapter 8, and the Uniform Plumbing Code.	60 days prior to commercial operation	Simultaneously 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	As Req.	SWa9-01-00 SBC Submittal 03-02-2012 SWa9-01-00 CEC Submittal 04-05-2012 SWa9-02-00 SBC Submittal 01-21-2014 SWa9-02-00 CEC Submittal	SWa9-01-00 CEC Approval 04-01-2014 SWa9-01-00 SBC Approval 03-02-2014 SWa9-01-00 CEC Approval 04-23-2012 SWa9-02-00 SBC Approval 02-20-2014 SWa9-02-00 CEC Approval 02-17-2014	-	-	-		
Yes	No	N/A	N/A	N/A	N/A	N/A	SOILWATER-10	PC	The project is subject to the requirement of Title 22, Article 3, Sections 64630.80 through 64630.90 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 submit 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, non-community water system at least 30 days prior to construction.	A/T	Permitting	S P	6/29/2011, 10/10/2011 Water plans	-	-	-	-	-		
Yes	Yes	Accomplished	Non-transient, Non-community water system monitoring plan	Recurent	Annual	23-dec-15	SOILWATER-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 submit 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	AS/Permitting	ASI Staff/S P	As Req.	As Req.	As Req.	-	-	-		
Yes	Yes	Accomplished	FPA Segregated Water Records	Recurent	Annual	23-dec-15	SOILWATER-11	OPS	As a construction method, the project owner shall annually separate a volume of Free Production Allowance (FPA) equal to the annual volume of groundwater pumped for the project.	The volume of FPA segregated shall be documented and submitted to the CPM and WaterMaster. This documentation shall include a table showing the annual and cumulative total FPA segregated.	Annually	Submit annually to Laborator RWQCB and CEC.	AS	AS	ASI Staff	As Req.	As Req.	As Req.	-	-	-		
Yes	Yes	Accomplished	N/A	Recurent	Annual	23-dec-15	SOILWATER-12	OPS	The project owner may be required to contribute up to \$50,000 annually, for the life of the AMIS 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: 1. The annual and cumulative volume of groundwater used by the project in acre-feet per year; 2. The annual and cumulative volume of FPA segregated by the project in acre-feet per year; 3. The numerical difference between annual and cumulative totals in items 1 and 2 above; and 4. 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 programs.	Annually	Submit annual fee to MWA. Submit to CEC copy of receipt from MWA.	AS	AS	ASI Staff	As Req.	As Req.	As Req.	-	-	-		
Yes	Yes	Accomplished	N/A	Milestone	N/A	60 days prior to the annual contribution anniversary date	SOILWATER-12	OPS	The project owner may be required to contribute up to \$50,000 annually, for the life of the AMIS 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	AS	ASI Staff	-	-	-	-	-	-		
Yes	Yes	Accomplished	N/A	Milestone	N/A	60 days prior to the annual contribution anniversary date	SOILWATER-12	OPS	The project owner may be required to contribute up to \$50,000 annually, for the life of the AMIS 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	AS	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 locate or construct one or more park-and-ride facilities with a combined capacity of 500 spaces.	Prepare new park-and-ride facility 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 available public transit.	90 days prior to site mobilization	County of San Bernardino, CPM	AS	AS	M S	5/29/2011	1/1/2011	3/1/2011	12/1/2014 Submittal TRANS1-03-00 Park and Ride Completion	12/1/2014 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 construction.	30 days prior to site mobilization	County of San Bernardino, CEC	AS	AS	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 how the project owner will manage construction traffic to minimize impacts on the existing roadway conditions.	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	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-98 and SR-98 for 1000 feet in each direction from Harper Lake Road.	Prepare a report to 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-98 and SR-98 for 1000 feet in each direction from Harper Lake Road.	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 the CPM for review and approval. The review will include photographs, the visual analysis of pavement and sub-surface conditions, 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	-	-	10/19/2011 TRANS-04-00 Harper Lake Road Reconstruction, County approval letter (09-ARC-SC0923/2014)	-	-	-	
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 employees start times and delivery times so as not to overload the existing roadway conditions.	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 construction hours.	A record of hazardous deliveries shall be provided to the CPM as required in IIA 7-1.	As required	CEC	A/T + AS	AS/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 transportation line or related structures and facilities	TRANS-6	CONS	Submit Signed Letter to CEC	Submit to the CPM a letter signed by a California registered electrical engineer affirming that the line will be constructed according to the requirements stated in the condition.	30 days prior to construction of transportation line or related structures and facilities	CEC	AS	Electrical/Permitting	S P	8/5/2011	4/1/2011	6/1/2011	-	-	-		
No	No	N/A	N/A	Recurent	Annual	ACR	TRANS-2	OPS	Submit All Line Related Complaint Records	All reports of complaints received for the project-related lines and included during the first five years of plant operation in the Annual Compliance Report.	ACR	CEC	AS	AS	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/Submit Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Draw/Docs	Actual Submittal Date Draw/Docs	Actual Approval Date Draw/Docs	(Submit due to Change)	Approved As Built	Approved Inspection	COO
No	No	N/A	N/A	Milestone	N/A	60 days after completion of the measurements	TLN-3	CCNS	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	AT	Electrical	M.K	3/20/15 Submittal	3/20/15 Submittal	3/20/15 Approved		-	-	-
No	No	N/A	N/A	Recurrent	Annual	ACR	TLN-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 to the ACR 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 revisions 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.	ACR, for first 5 years of operation	CEC	AS	AS	H.B	As Req	As Req	As Req		-	-	-
No	No	N/A	N/A	Milestone	N/A	30 days before lines are energized	TLN-5	COMM & OPS	Ground All Metallic Objects Within Transmission Line Right-of-Way	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 observation points 1, 2, 3, 4, 5, 6, 7, and 8 analyzed in the Staff Assessment.	30 days before lines are energized	CEC	AT	Electrical/Field	M.K	10/17/2013	TLN5-00-00 To the CEC 11.06.2013	TLN5-00-00 To the CEC 11.07.2013		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	90 days prior to specifying colors to vendor	VS-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 structure or building that the 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 revisions 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	AT	Permitting	S.P	5/14/2012	5/14/2012 Submittal	5/14/2012 Approved		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	Prior to COD	VS-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 observation points 1, 2, 3, 4, 5, 6, 7, and 8 analyzed in the Staff Assessment.	Prior to COD	CEC	AT	Permitting	S.P	-	10/20/2014 Submittal	10/20/2014 Approved		-	-	-
Yes	Yes	Accomplished	Surface Treatment Maintenance Procedures/Surface Maintenance Reports	Recurrent	Annual	23-dec-15	VS-1	OPS	Provide Status Report to CEC	Provide status reports regarding surface treatment maintenance. Specify all the condition of the surface of all structures and buildings at the end of the reporting year. All maintenance activities that occurred during the reporting year, and C of the schedule of maintenance activities for the next year.	ACR	CEC	AS	AS	ASi Staff	As Req	-	-		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	90 days prior to installation	VS-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	AS	H.B	4/1/2014	4/1/2014 Submittal	4/1/2014 Approved		-	-	-
Yes	Yes	Accomplished	Screening Maintenance Reports	Recurrent	Annual	23-dec-15	VS-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. 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 to the ACR 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 revisions 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.	ACR, for first 5 years of operation	CEC	AS	AS	ASi Staff	-	-	-		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	90 days prior to ordering exterior lighting	VS-3	CCNS	Notify CEC that Compliance has been Met	Report maintenance activities, including replacement of plants that fail to thrive for the previous year 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 to the ACR 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 revisions 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 ordering exterior lighting	CEC	AT	Permitting	S.P	temp light, 4/27/12, perm light, 5/29/13	temp light, 2/27/12, perm light, 5/29/13	temp light, 3/1/12, perm light, 8/31/13		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	Prior to construction/Prior to operation	VS-3	PC, CCNS, & COMM	Notify CEC that Temp and Permanent Lighting is Complete and ready for inspection	Inspect the CPM 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. The CPM shall review and comment on the proposed Cleanup Program requirements and activities. Provide to the CPM written notice from DTSC that the AHS has been investigated and remediated, as necessary, for compliance with the Voluntary Cleanup Program.	Prior to construction/Prior to operation	CEC	AT	Permitting	S.P	As Req	5/5/2014 Submittal	5/5/2014 Approved		-	-	-
Yes	Yes	Accomplished	Lighting Complaints Reports	Milestone	N/A	within 48 hours of receiving lighting complaint	VS-3	CCNS & 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 approved by the CPM.	within 48 hours of receiving lighting complaint	CEC	AS	AS	H.B	As Req	As Req	As Req		-	-	-
Yes	No	Accomplished	N/A	Milestone	N/A	90 days prior to installation	VS-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	AT	Permitting	S.P	4/9/2012	1/29/2011	3/26/2012		-	-	-
Yes	No	Pending	N/A	Milestone	N/A	7 days after completing screening	VS-4	CCNS	Notify CEC that Screen Fence is Completed	Notify the CPM that the screening is ready for inspection.	7 days after completing screening	CEC	AT	Permitting	S.P	-	-	3/26/2012		-	-	-
Yes	Yes	Accomplished	Screening Maintenance Plans/Screening Maintenance Reports	Milestone	N/A	23-dec-15	VS-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	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) 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 approval.	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	M.S	6/29/2011	2/4/2011	4/4/2011	July 2012 MCR CEC informed	-	-	-	
Yes	No	Accomplished	N/A	Recurrent	Monthly	MCR	WASTE-1	PC	Submit AHS 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	AS	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 & CCNS	The project owner shall obtain a hazardous waste generator identification number from the USEPA.	Obtain a hazardous waste generator identification number from the USEPA prior to generating any hazardous waste during project construction and operation.	Prior to Haz Waste generation	USEPA, CPM	AT	Permitting	S.P	12/31/2012	9/28/2012	11/27/2012		-	-	-
Yes	Yes	Accomplished	N/A	Continuous	N/A	N/A	WASTE-2	CCNS & 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. Submit the notification and issued number documentation to the CPM if any new or revised hazardous waste generator notifications or changes in identification number shall be provided to the CPM.	Monthly	USEPA, CPM	AT + 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	CCNS & OPS	Change in Waste Generator Numbers Shall Be Submitted to CEC	Documentation of any new or revised hazardous waste generator notifications or changes in identification number shall be provided to the CPM.	As required	USEPA, CPM	AT + AS	AS/Permitting	H.B S.P	As Req	CEC 1/27/2012 CA EPA Submittal Fed EPA Application 1/27/2012	10/6/2012 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 AHS is properly characterized and remediated as necessary pursuant to IRWQCB or DTSC voluntary site cleanup program.	Submit to the CPM copies of all pertinent correspondence, work plans, agreements, and authorizations between the AHS Project and DTSC regarding Voluntary Site Cleanup Program requirements and activities at the AHS 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 AHS 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	M.S	6/29/2011	2/11/2011	3/8/2011		-	-	-	
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	AS	H.B	As Req	As Req	As Req		-	-	-
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	AS	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	AS	M.S	6/29/2011	1/12/2011	2/12/2011		-	-	-
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	AT	Permitting	S.P	3/29/2011	7/27/2011	7/28/2011		-	-	-

EN Req	Applicable for KPI	Progress	EMS Plan Link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submit Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Dwn/Docs	Actual Submittal Date Dwn/Docs	Actual Approval Date Dwn/Docs	(Submit/due to Change)	Approved As Built	Approved Inspection	COO	
Yes	Yes	Accomplished	Waste Disposal Records	Continuous	N/A	N/A	WASTE-7	CONS & OPS	During the construction and operation phases, the project owner shall maintain copies of the contracted waste and/or release history documentation of each waste load transferred from the construction site to a disposal site and/or recycling center.	Notify permittees upon 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 Division.	As required	San Bernardino County Environmental Health Service Dept. Solid Waste, CEC	AT + AS	AS/Permitting	H BS 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	Final 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 San Bernardino County Environmental Health Service Department Solid Waste Division 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	AS	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 date when all ACM is removed from the site.	Monthly	MDAQMD, CEC	AS	AS/Permitting	H BS P	12/7/2012	12/7/2012	12/7/2012		-	-	-	
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	AS	ASI Staff	6/15/2014	08/26/2014	08/26/2014	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 response received	CEC	AS	AS	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	AS	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 PCB & WATER RESOURCES section of the Staff Assessment. Cleanup and temporary staging of HTF-contaminated soils shall be conducted in accordance with DTSC's current version of "Test Methods for Evaluating Solid Waste" (SW-846). Samples shall be analyzed in accordance with DTSC Method 1629B or other method to be reviewed and approved by DTSC and the CPM.	As required	DTSC, CEC	AT + AS	AS/Permitting	T BS 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	AT + AS	AS/Permitting	T BS P	6-04-14 WASTE-10-03-00 Submitted 5/12/2014 WASTE-10-00-00	10/27/2014 Submittal 09/12/2014 Submittal WASTE-10-07-00 (Department of Toxic Substances Control) WASTE-10-08-00 30 day storage extension to CUPA for HTF contaminated soil 6/17/2014 WASTE-10-05-00 6-04-14 WASTE-10-03-00 Submitted 5/12/2014 WASTE-10-00-00	11/20/2014 Approval WASTE-10-08-00 30 day storage extension to CUPA for HTF contaminated soil 12/15/15 Submittal WASTE-10-09-00 lab test results for HTF contaminated soil for July-December 2014 10/29/2014 Submittal WASTE-10-01-01 Department of Toxic Substances Control [Waste characterization documentation] 7/9/14	07/17/14 WASTE-10-18-00 Contaminated Soil Spill And Lab Results 03/20/14 WASTE-10-17-00 Contaminated Soil Spill Lab Results 09/27/17 WASTE-10-18-00 30 day storage extension to CUPA for HTF contaminated soil 12/21/15 February HTF Soil Samples lab results 10/18/15 WASTE-10-16-00 HTF Waste Characterization Package 3/11/15 WASTE-10-15-00 HTF Waste Characterization Package 05/24/15 WASTE-10-14-00 HTF Waste Characterization Package 5/7/15 WASTE-10-14-00 HTF Waste Characterization Package 12/15/15 WASTE-10-11-00 HTF Waste Characterization Package WASTE-10-09-00 lab test results for HTF contaminated soil for July-December 2014 10/29/2014 Submittal WASTE-10-01-01 Department of Toxic Substances Control [Waste characterization documentation] 7/9/14	07/17/14 WASTE-10-18-00 Contaminated Soil Spill And Lab Results 03/20/14 WASTE-10-17-00 Contaminated Soil Spill Lab Results 09/27/17 WASTE-10-18-00 30 day storage extension to CUPA for HTF contaminated soil 12/21/15 February HTF Soil Samples lab results 10/18/15 WASTE-10-16-00 HTF Waste Characterization Package 3/11/15 WASTE-10-15-00 HTF Waste Characterization Package 05/24/15 WASTE-10-14-00 HTF Waste Characterization Package 5/7/15 WASTE-10-14-00 HTF Waste Characterization Package 12/15/15 WASTE-10-11-00 HTF Waste Characterization Package WASTE-10-09-00 lab test results for HTF contaminated soil for July-December 2014 10/29/2014 Submittal WASTE-10-01-01 Department of Toxic Substances Control [Waste characterization documentation] 7/9/14	-	-	-
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	AT + AS	AS/Permitting	T BS 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 non-hazardous	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 non-hazardous it shall be retained in the land farm and treated onsite in accordance with the Waste Discharge Requirements contained in the Soil & Water Resources section of the Staff Assessment.	As required	DTSC, CEC	AT + AS	AS/Permitting	T BS P	As Req.	As Req.	As Req.		-	-	-	
Yes	Yes	Accomplished	Waste Management Plan/Cooling Tower Filter Cake Test 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	AT + AS	AS/Permitting	T BS P	As Req.	08/26/2014 WASTE-9-01-00 Approval (Operational Waste Management Plan)	08/26/2014 WASTE-12-00-00 Approval (Operational Waste Management Plan)	54/15 Approval WASTE-11-01-00 Filter Cake Testing Results: Alpha Water Treatment Plant	-	-	-	
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 be reported to 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 are reported cleaned up and remediated as necessary.	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 corridor during construction and on the project site.	As required	CEC	AT + AS	AS/Permitting	T BS P	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, 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	AT + AS	AS/Permitting	T BS P	As Req.	01/02/16 WASTE12-02-00 HTF Spill report 01/12/16 WASTE12-01-00 HTF Spill report 01/26/17 40/15 WASTE12-00-01 Re-submittal Diesel spill on 2/19/15 2/22/15 WASTE12-00-00 Submittal Spill Notification - Diesel 1/17/2014 Submittal WSPF-04-00 Lightning Mitigation Plan for TCO 11/20/2014 Submittal WSPF-03-00 Lightning Mitigation	54/15 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	WORKSAFETY-1	PC	The project owner shall submit to the CPM a copy of the Project Construction Safety and Health Program.	Submit to the SBCHD 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	AT	Permitting	SP	7/20/2011	rev 0, 7/22/11, rev 1, 6/19/13	rev 0, 7/22/11, rev 1, 6/19/13		-	-	-	
No	No	Accomplished	N/A	Milestone	N/A	30 days prior to start of commissioning	WORKSAFETY-2	COMM	The project owner shall submit to CPM a Maintenance Safety and Health Program.	Submit to the SBCHD the final Operations Fire Prevention Plan and Emergency Action Plan 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	AS	MS	7/20/2011	rev 0, 6/27/11, rev 1, 6/18/13	rev 0, 7/22/11, rev 1, 6/19/13	52/15 Approval WSPF-2-03-00 Operations Emergency Response Plan WSPF2-00-00 Fire Prevent Plan, Emergency Action Plan & Operational H&S Plan	-	-	-	

EN Req	Applicable for KPI	Progress	EMS Plan link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submit Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Draw/Docs	Actual Submittal Date Draw/Docs	Actual Approval Date Draw/Docs	(Submittal due to Change)	Approved As Built	Approved Inspection	COO
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	AT	Permitting	S/P	6/29/2011	3/4/2011	5/4/2011 WKSE-01-04 RTO THE CEC 11/19/2013 APPROVED 11/21/2013 WKSE-01-05 RTO THE CEC 12/16/2013 APPROVED 01/15/2014	-	-	-	
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	AT	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 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.	Submit to the CPM proof that a portable automatic external defibrillator (AED) is located on site and a copy of the training and certification of the person(s) assigned to the AED 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 SRECTO, and evidence in each January Monthly Compliance Report that the project owner is in full compliance with the terms of such bylaws/under agreement, or if 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 installation and documentation that the amount has been paid.	30 days prior to site mobilization	CEC	AT	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 SRECTO 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 SRECTO to study project's fire protection requirements.	Submit to the CPM proof that the project owner has reached a funding agreement with SRECTO, or if no agreement can be reached, a copy of 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 installation 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	Staff	-	9/28/2012	10/10/2012 CEC Approved SRECTO's MSP Funding Agreement 05/06/16 WK06-03 02/27/2018 WK06-04-00	-	-	-	
No	No	Accomplished	N/A	Recurrent	Annual	TBD once OPS start	WORKERSAFETY-6	OPS	Provide CEC verification of payment to the SRECTO.	Annually thereafter, the owner shall provide the CPM with verification of funding to the SRECTO. If annual payments were approved or recommended under either of the above-referenced funding resolution options.	Annually	San Bernardino County Fire Dept., CPM	AS	ASI	Staff	-	07/2011 02/27/2018 WK06-04-00 SRECTO Annual O&M Contribution Verification (2016-2017) Proof of payment is submitted	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 the start of construction. Provide documentation of the payment described above to the CPM. The CPM shall adjust the payments initially required by WORKERSAFETY-6 based upon the accounting provided by WORKERSAFETY-7.	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 WORKERSAFETY-6 based upon the accounting provided by WORKERSAFETY-7.	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 that shall be provided to the CPM for review and approval.	60 days prior to site mobilization	CPM	AT + AS	ASI	M 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 SRECTO.	Submit to the CPM proof that the joint training with the SRECTO is complete.	10 days prior to commissioning	San Bernardino County Fire Dept., CPM	AS	ASI	H B	-	-	-	-	-	-	
No	No	Pending	N/A	OPS	OPS	Submit to CEC proof that joint training with SRECTO was conducted.	WORKERSAFETY-9	OPS	Submit to the CPM proof that the joint training with the SRECTO was conducted.	Submit to the CPM proof that the joint training with the SRECTO was conducted. Include the dates, list of participants, training protocol, and location in the yearly compliance report submitted to the CPM.	Annually	San Bernardino County Fire Dept., CPM	AS	ASI	Staff	01/14 WK07-01	Annually	Annually	-	-	-	
No	No	Pending	N/A	GEN-1	COMM	Submit Verification Statement and CBO certified Certificate of Occupancy to CEC.	GEN-1	COMM	Submit Verification Statement and CBO certified Certificate of Occupancy to CEC.	Submit the certificate of occupancy, signed by the responsible design engineer, attesting that all design, 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 of the certificate of occupancy.	30 days of receipt of certificate of occupancy	CBO/CEC	AT	AI	S/P	Post C/O	-	-	-	-	-	
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.	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 submit the CBO approval to the CEC.	30 days prior to start of any activity listed requiring CBO approval	CBO/CEC	AT	AI	S/P	Post C/O	-	-	-	-	-	
No	No	Pending	N/A	GEN-2	PC	Submit to CEC and CBO the monthly master discipline lists.	GEN-2	PC	Submit to CEC and CBO the monthly master discipline lists.	Submit to the CBO and CEC the monthly master discipline lists, master drawings, and master specifications list of documents, to be submitted to the CBO for review and approval. These documents shall be the permanent design documents for the major structures, systems, and equipment defined above in Condition of Certification (COC). Major structures and equipment shall be added to or deleted from the list only with the approval of the CBO and CEC.	60 days prior to start of grading	CBO/CEC	AT	Permitting	S/P	6/29/2011	Monthly	Monthly	-	-	-	
No	No	Pending	N/A	GEN-2	CONS	Provide schedule updates in MCR.	GEN-2	CONS	Provide schedule updates in MCR.	Provide schedule updates in the monthly compliance report.	MCR	CBO/CEC	AT	Permitting	S/P	6/29/2011	Monthly	Monthly	-	-	-	
No	No	Pending	N/A	GEN-3	PC	Make Required Payments to CBO.	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	SI	H B	-	As Req	As Req	-	-	-	
No	No	Pending	N/A	GEN-4	PC	Submit Resume of RE and RE Delegate.	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 designated engineers assigned to the project. If the RE or the designated 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	AT	Permitting	S/P	8/29/2011	7/22/2011 - RE Ron Kirkkebal Luis Leal 12/7/11 - RE delegate 3/27/12 - RE Miguel Hernandez 1/19/12 - RE Delegate Miguel Hernandez 7/10/13 - RE delegate	8/14/2011 - RE Ron Kirkkebal Luis Leal PE 12/27/11 - RE delegate 3/27/12 - RE Miguel Hernandez 1/19/12 - RE delegate Miguel Hernandez Vivan Jang, SL PE RE delegate	-	-	-	
No	No	Pending	N/A	GEN-4	PC	Notify CEC of Any Change within 5 days.	GEN-4	PC	Notify CEC of Any Change within 5 days.	Notify the CPM of the CBO's approvals of the RE and other designated engineers.	within 5 days of CBO's approval	CBO/CEC	AT	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.	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	AT	Permitting	S/P	8/29/2011	7/22/2011 - RE Ron Kirkkebal Luis Leal 12/7/11 - RE delegate 3/27/12 - RE Miguel Hernandez 1/19/12 - RE Delegate Miguel Hernandez 7/10/13 - RE delegate	8/14/2011 - RE Ron Kirkkebal Luis Leal PE 12/27/11 - RE delegate 3/27/12 - RE Miguel Hernandez 1/19/12 - RE delegate Miguel Hernandez Vivan Jang, SL PE RE delegate	-	-	-	
No	No	Pending	N/A	GEN-5	PC	Submit Resumes within 30 days of construction to CBO.	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	AT	Permitting	S/P	8/29/2011	7/22/2011 - RE Ron Kirkkebal Luis Leal 12/7/11 - RE delegate 3/27/12 - RE Miguel Hernandez 1/19/12 - RE Delegate Miguel Hernandez 7/10/13 - RE delegate	8/14/2011 - RE Ron Kirkkebal Luis Leal PE 12/27/11 - RE delegate 3/27/12 - RE Miguel Hernandez 1/19/12 - RE delegate Miguel Hernandez Vivan Jang, SL PE RE delegate	-	-	-	
No	No	Pending	N/A	GEN-5	PC	Notify CEC of Any Change within 5 days.	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	AT	Permitting	S/P	As Req	As Req	As Req	-	-	-	
No	No	Pending	N/A	GEN-5	CONS	Notify CEC of Any Change within 5 days.	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	AT	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.	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 names and qualifications of the certified weld inspectors, or other certified special inspectors assigned to the project to perform one or more of the duties set forth in the CBO's approval.	15 days prior to start of activity requiring special inspection	CBO/CEC	AT	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.	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	AT	Permitting	S/P	As Req	As Req	As Req	-	-	-	
No	No	Pending	N/A	GEN-7	CONS	Submit CBO approval of any corrective action taken to CEC.	GEN-7	CONS	Submit CBO approval of any corrective action taken to CEC.	Submit a copy of the CBO's approval of any corrective action taken to the CEC.	MCR	CBO/CEC	AT	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 of the reason for disapproval.	GEN-7	CONS	If corrective action is disapproved, advise CEC within 5 days of the reason for disapproval.	If any corrective action is disapproved, advise the CPM, within five days, of the reason for disapproval and the proposed corrective action, to the CBO.	within 5 days of disapproval by CBO	CBO/CEC	AT	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.	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, the most 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	AT	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/Submitted Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Drw/Docs	Actual Submittal Date Drw/Docs	Actual Approval Date Drw/Docs	(Submittal due to Change)	Approved As Built	Approved Inspection	COO	
No	No	Pending	N/A				GEN-8	CONR	Submit letter confirming all documents are stored on site and location to CPM.	Submit the CPM a letter stating both the above documents have been stored and the storage location of those documents.	After storing the final approved engineering plans etc.	CEC	AT	Post COC	S P	Post COC	As Req	As Req		-	-	-	
No	No	Pending	N/A				GEN-8	CONRM	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.	within 90 days of completion of construction	CBO	AT	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	CVIL-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. Erosion calculations and specifications, signed and stamped by the responsible civil engineer, and 4. Soil, geotechnical, or foundation investigation reports required by the 2007 CBC to the CBO for design review and approval.	15 days prior to site grading	CBO/CEC	AT	Civil	S P	8/29/2011	7/1/2011	9/15/2011	X3 - 11/9/11 X4 - 2/21/12 X5 - 3/27/12 X6-3/22/12 X7-5/18/12 X8-8/21/12 X9-8/24/12 X10-5/21/13 2.01-6/19/12	-	-	-	
Yes	No	Accomplished	N/A	Recurrence	Monthly	MCR	CVIL-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	AT	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	CVIL-2	CONR	Notify CEC within 24 hours when Earthwork and Construction are stopped as a result of adverse geotechnical conditions.	Notify the CBO within 24 hours when earthwork and construction is stopped as a result of unforeseen adverse geotechnical 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 to resume.	24 hours following stop of construction, & within 24 hours of CBO's approval to resume	CBO/CEC	AS+AT	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	CVIL-3	CONR	RE to send NCR to CBO and CEC.	RE shall respond to the CBO and the CPM a non-conformance report (NCR), and the proposed corrective action for review by CBO and CPM.	within 5 days of discovery of	CBO/CEC	AS+AT	ASIField	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	CVIL-3	CONR	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	CBO/CEC	AS+AT	ASI/Permitting	H B S P	As Req	As Req	As Req		-	-	-	
Yes	No	Accomplished	N/A	Recurrence	Monthly	MCR	CVIL-3	CONR	Include NCR's in MCR.	A list of NCR's, for the reporting month, shall be included in the next MCR.	monthly in MCR	CEC	AS+AT	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	CVIL-4	CONR	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	AT	Civil/Permitting	S P	Post COC	-	-	-		-	-	-
Yes	No	Accomplished	N/A	Recurrence	Monthly	MCR	CVIL-4	CONR	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	AT	Permitting	S P	As Req	As Req	As Req		-	-	-	
No	No	N/A	N/A				STRUC-1	PC	Submit Structural Plans to CBO for Review and Approval with a Transmittal Copy to CEC.	At least 60 days of project review 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	AT	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 the following table or any of the above data.	In the next MCR following approval	CEC	AT	Permitting	S P	As Req	As Req	As Req		-	-	-	
No	No	N/A	N/A				STRUC-2	CONR	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 discrepancy and the proposed corrective action to the CBO, with a copy of the transmittal letter to the CPM. The NCR shall reference the conditions of verification and the applicable CBC or AS/AEPC code.	within 5 days of discovery of discrepancies	CEC	AT	Permitting	S P	As Req	As Req	As Req		-	-	-	
No	No	N/A	N/A				STRUC-2	CONR	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	CBO/CEC	AT	Structural/Permitting	A T S P	As Req	As Req	As Req		-	-	-	
No	No	N/A	N/A				STRUC-2	CONR	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	AT	Permitting	S P	As Req	As Req	As Req		-	-	-	
No	No	N/A	N/A				STRUC-2	CONR	If disapproval, advise the CBO, the reason for disapproval, and the proposed corrective action to obtain CBO approval.	If disapproval, advise the CBO, the reason for disapproval, and the proposed corrective action to obtain CBO approval.	within 5 days of disapproval by CBO	CBO/CEC	AT	Structural/Permitting	A T S P	As Req	As Req	As Req		-	-	-	
No	No	N/A	N/A				STRUC-3	PC & CONR	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	AT	Structural/Permitting	A T S P	As Req	As Req	As Req		-	-	-	
No	No	N/A	N/A				STRUC-3	PC & CONR	Submit a copy of the CBO's Plan and Inspection Approval.	Notify the CPM, via monthly compliance report, when the CBO has approved the required plans.	In the next MCR following approval	CBO/CEC	AT	Permitting	S P	As Req	As Req	As Req		-	-	-	
No	No	N/A	N/A				STRUC-4	CONR	Submit Structural Tank or Vessel Plans to CBO for Review and Approval with a Transmittal Copy to CEC.	Provide 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 statement from the responsible mechanical engineer certifying compliance with the applicable CBCs.	30 days prior to installation	CBO	AT	Structural/Permitting	A T S P	As Req	As Req	As Req		-	-	-	
No	No	N/A	N/A				STRUC-4	CONR	Submit a copy of the CBO's Plan and Inspection Approval.	Submit 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 applicable CBC or project owner's own engineering approval 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 the applicable CBCs.	30 days prior to piping or plumbing construction	CBO	AT	Mechanical/Permitting	M A S P	As Req	As Req	As Req		-	-	-	
No	No	Pending	N/A				MICH-1	CONR	Submit Piping and Plumbing Plans to CBO for Review and Approval.	Submit the CPM a copy of the transmittal letter in the next monthly compliance report.	30 days prior to the start of any increment of major piping or plumbing construction	CBO	AT	Mechanical/Permitting	M A S P	As Req	As Req	As Req		-	-	-	
No	No	Pending	N/A				MICH-1	CONR	Send the CPM a copy of the Inspection Approval from CBO.	Transmit the CPM a copy of the transmittal letter in the next MCR.	In the next MCR following inspection	CEC	AT	Permitting	S P	As Req	As Req	As Req		-	-	-	
No	No	Pending	N/A				MICH-2	CONR	Submit Pressure Vessel Plans to CBO for Review and Approval and Transmittal to CEC.	Transmit the CPM following completion of an inspection, a copy of the transmittal letter conveying the CBO's inspection approval.	In the next MCR following inspection	CBO/CEC	AT	Permitting	S P	As Req	As Req	As Req		-	-	-	
No	No	Pending	N/A				MICH-2	CONR & CONRM	Send the CPM a copy of the Inspection Approval from CBO.	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. Transmit to the CPM following completion of any inspection, a copy of the transmittal letter conveying the CBO's and/or CPM's approval.	30 days prior to the start of PV on-site fabrication or installation	CBO	AT	Mechanical/Permitting	M A S P	As Req	As Req	As Req		-	-	-	
No	No	Pending	N/A				MICH-3	CONR	Submit HVAC Plans to CBO for Review and Approval and Transmittal to CEC.	Provide to the start of installation 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 any 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	AT	Mechanical/Permitting	M A S P	As Req	As Req	As Req		-	-	-	
No	No	N/A	N/A				ELEC-1	CONR	Submit Electrical Plans to CBO for Review and Approval with a Transmittal Copy to CEC.	Provide 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 certifying compliance with the applicable CBCs.	30 days prior to start of each increment of electrical construction	CBO/CEC	AT	Electrical	M K	As Req	As Req	As Req		-	-	-	
No	No	N/A	N/A				ELEC-1	CONR	Send the CPM a copy of the transmittal letter in the next monthly compliance report.	Submit a resume and statement of availability of all designated paleontological resource specialist (PRS) for suitable work.	in the next MCR	CBO/CEC	AT	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 all designated paleontological resource specialist (PRS) for suitable 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 resume and statement of availability of all designated paleontological resource specialist (PRS) for suitable work.	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 DOS.	PAL-1	CONR	Provide Resume of New PRS	Provide a resume and statement of availability of all designated paleontological resource specialist (PRS) for suitable work.	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	AT + AS	AS/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	AT + AS	AS/AEPC Staff	H B L B	As Req	As Req	As Req		-	-	-	
Yes	No	Accomplished	N/A	Milestone	N/A	within 5 days of identify changes	PAL-2	PC	Provide Scheduling Changes of Construction Phases to CEC	If there are changes to the scheduling of the construction phases, submit the changes to the CPM.	within 5 days of identifying changes	CEC	AT + AS	AS/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 authorization 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	805-02-01 01/04/13	805-02-01 02/20/13	-	-	-

EN Req	Applicable for KPI	Progress	EMS Plan Link	Evaluation Type	Frequency	Next evaluation date	Cond. #	Sort Code	Description	Verification/Action/Submitted Required by Project Owner	Timeframe	Involved Agencies	Lead Respons. Party	Responsible Discipline	Lead Engineer/ Manager	Required Approval Date Draw/Docs	Actual Submittal Date Draw/Docs	Actual Approval Date Draw/Docs	(Submittal due to Change)	Approved As Built	Approved Inspection	COO
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	AS	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	AS	H B	As Req.	As Req.	As Req.	-	-	-	
Yes	No	Accomplished	N/A	Recurrent	Monthly	MCR	PAL-4	CONC	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	AS	H B	Monthly	Monthly	Monthly	-	-	-	
Yes	No	Accomplished	N/A	Recurrent	Monthly	MCR	PAL-5	CONC	Notify CEC of Any Planned Monitoring Changes	Notify the PRS submits the summary of monitoring and paleontological activities to the CPM.	MCR	CEC	AS	AS	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	CONC	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 PRMAP. If there is any unforeseen change in monitoring, the notice shall be given as soon as possible to the PRS and/or the CPM.	10 days in advance of proposed monitoring changes, or ASAP	CEC	AS	AS	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 the 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 Part 7). Shall be responsible for paying any curation fees charged by the museum for fossils collected and created as a result of paleontological mitigation. A copy of the letter of transmittal submitting the fossils to the curating institution shall be maintained in the files.	maintain for 3 years after project completion and CPM approval of PR Report	CEC	AS	AS	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	CONC	Submit PRR	Submit the PRR under confidential cover to the CPM.	within 90 days of completion of ground disturbance	CEC	AS	AS	M S	Post COC	-	-	-	-	-	
No	No	Pending	N/A				TSE-1	PC	Submit Master Drawing and Specifications Lists for 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 Drawings 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.	60 days prior to start of construction of the transmission elements	AT	AT	Permitting	SP	8/29/2011	6/29/2011	8/29/2011	-	-	-	
No	No	Pending	N/A				TSE-1	CONC	Provide Monthly Schedule Updates	Provide monthly updates in the MCR.	MCR	CEC	AT	Permitting	SP	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	AT	Permitting	SP	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	AT	Permitting	SP	6/5/2011	6/5/2011	6/5/2011	-	-	-	
No	No	Pending	N/A				TSE-2	PC & CONC	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 CBO's approval of the new engineer.	within 5 days of change in RE	CBO, CEC	AT	Permitting	SP	As Req.	As Req.	As Req.	-	-	-	
No	No	Pending	N/A				TSE-3	CONC	Provide Copy of CBO approval or disapproval	Submit a copy of CBO's approval or disapproval of any proposed transmission facilities to the CPM.	within 15 days of receipt	CBO, CEC	AT	Permitting	SP	As Req.	As Req.	As Req.	-	-	-	
No	No	Pending	N/A				TSE-3	CONC	If Disapproved, Provide Corrective Action	If disapproved, advise the CPM, the reason for disapproval, and the proposed corrective action to obtain CBO approval for the CBO for review and approval of 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 requirements of the CEMR.	within 5 days of CBO disapproval	CBO, CEC	AT	Permitting	SP	As Req.	As Req.	As Req.	-	-	-	
No	No	Accomplished	N/A				TSE-4	CONC	Prior to start of Construction, Submit Proposed Design Plans to CBO	Submit proposed transmission facility design plans to the CBO for review and approval. The design plans shall include a copy of the signed and stamped statement from the responsible electrical engineer attesting to compliance with the requirements of the CEMR.	30 days prior to start of each increment of construction	CBO	AT	Electrical	M K	As Req.	As Req.	As Req.	-	-	-	
No	No	Pending	N/A				TSE-4	CONC	Send CEC a Copy of Transmittal	Send the CPM a copy of the transmittal letter.	in the next MCR	CEC	AT	Permitting	SP	As Req.	As Req.	As Req.	-	-	-	
No	No	Accomplished	N/A				TSE-5	CONC	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 CEMR, 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 of projects selected by the transmission owners for each reliability criteria violation are acceptable, an Operational study report based on the expected or current CEMR from the California ISO and/or CEC, and a copy of the proposed OIA signed by the California ISO and the project owner.	60 days prior to construction of transmission facilities	CBO	AT + AS	Electrical	TSLMM 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	CONC	Submit Change Request of Transmission Facility Drawings to CBO and CEC	From the CBO and the CPM of any requested changes that may not conform to requirements of TSE-5 and request approval from the responsible engineer.	60 days prior to construction of transmission facilities	CBO, CEC	AT	Electrical	M K	As Req.	As Req.	As Req.	-	-	-	
No	No	Accomplished	N/A				TSE-7	COMM	Provide CEC a Copy of CASO Letter	Provide copies of the CASO letter to the CPM when it is sent to the CASO.	1 week prior to initial synchronization with grid	CASO, CEC	AT	Electrical	M K	11/07/2014 Submittal TSE7-00-02 CASO notice of synchronization letter	10/31/2014 Submittal TSE7-00-01 CASO notice of synchronization letter	12/26/2014 Approval TSE7-00-02 CASO notice of synchronization letter	-	-	-	
No	No	Accomplished	N/A				TSE-7	COMM	Contact CASO One Day Prior to Synchronization	Contact CASO Outage Coordination Department, Mon thru Fri, between 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 CASO 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	CASO, CEC	AT	Electrical	M K	11/20/2014 Submittal TSE7-01-00 Documentation of CASO telephone notification	12/26/2014 Approval TSE7-01-00 Documentation of CASO telephone notification	-	-	-		
No	No	Pending	N/A				TSE-8	COMM	Submit As-Built Drawings to CBO and CEC	Submit to the CPM and CEC, "As-Built" 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 by CPM Audit. A summary of inspections of the completed transmission facilities shall be provided to the CPM and CEC.	within 60 days after first synchronization	CBO, CEC	AT	Electrical	M K	As Req.	-	-	-	-	-	

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



Appendix C

Air Quality 16

2018 HTF delivery records, leaks and spills.

**Mojave Solar Project
Annual Compliance Report
San Bernardino County, California**

2018 Reporting Period

STRAIGHT BILL OF LADING - SHORT FORM

NOT NEGOTIABLE

Page NO :

1 of 2

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

BULK SHIPMENT

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 3138513	CUSTOMER ORDER NUMBER 4500895075	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."
CONSIGNEE TO MOJAVE SOLAR LLC 42134 HARPER LAKE RD HINKLEY CA 92347-9305			B/L DATE 12/28/2018		Freight charge PREPAID
			B/L NUMBER SO-72346666		
CAR OR VEHICLE INITIAL & NUMBER KL323			SUBMIT BILL FOR FREIGHT CHARGES TO: EASTMAN CHEMICAL CO. ATTN: ACCTS. PAYABLE P.O. BOX 511 KINGSPORT TN 37662		
ORIGIN CARRIER & ROUTING TOMMY ELLIS TRUCKING LLC					

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.: 4500895075 SHIPMENT SPECIAL INSTRUCTIONS Call Eastman Logistics immediately at 423-857-1311 for any potential delays in loading, unloading, or during shipment. Requested Delivery 12/31/2018 LOAD 1330 THE 28TH 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: 38656719 Customer Orders: 4500895075 Eastman Orders: 3138513	44,360 LB 77940-G 33580-T 44360-N
		TOP SEAL: 2491722 2491721 BTM SEAL: 2491699	

STRAIGHT BILL OF LADING - SHORT FORM

NOT NEGOTIABLE

Page NO : 2 of 2

SHIPPER: SOLUTION INC. A SUBSIDIARY OF EASTMAN CHEMICAL CO C/O SOUTHCOAST TERMINALS 7401 WALLISVILLE ROAD HOUSTON, TX 77220		CONSIGNEE TO MOJAVE SOLAR LLC 42134 HARPER LAKE RD HINKLEY CA 92347-9305	
B/L NUMBER SO-72346666			
COMPARTMENTS	HM	DESCRIPTION OF ARTICLES	WEIGHTS
			44,360 ^{US}

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 distribution 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 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-72346666**

SHIPMENT: **82003014**

Transportation Emergency Contact: Chemtrec 1-800-424-9300, CCN 7321

SHIPMENT#: 82003014

PRD *

LOADING CERTIFICATION

By signing below, Shipper's representative agrees that:

1. The equipment presented for loading is appropriate for the material to be loaded.
2. The equipment meets the shipper's standard of cleanliness.
3. The amount of product to be loaded will not exceed the capacity of the carrier's equipment.
4. The driver is authorized to begin the loading process.

Signed: **X**

Print Name:



1761 South Tyler Rd. • Gladewater, TX 75647
 903-844-9118 • Fax 903-844-8919
 DOT#: 516226 • MC#: 243197

EMERGENCY CONTACT: 903-844-9118

TICKET # **22008**

UNLOADING CERTIFICATION

By signing below, Consignee's representative agrees that:

1. The product to be delivered has been identified as correct on the shipper's Bill of Lading.
2. The unloading hose is connected to the proper storage vessel connection.
3. The storage vessel has sufficient room to hold all the product to be delivered.
4. The driver is authorized to begin the unloading process.

Signed: **X**

Print Name:

ORIGIN INFORMATION

DESTINATION INFORMATION

Shipper: Solutia Inc.
 Origin City, State: Houston, Tx
 Requested Load Date: 12-28-18
 Requested Load Time: 1:30pm

Consignee: Mojave Solar
 Destination City, State: Hinkley, Ca
 Requested Delivery Date: 1-1-19
 Requested Delivery Time: _____

Dispatch # 6483 Manifest / BOL Number SO-72346ddolo Purchase Order # _____

Driver Name Chris Lockridge Tractor # 1014 Trailer # KL323

Special Instructions: _____

PRODUCT INFORMATION

WEIGHT	COMMODITY DESCRIPTION
Gross <u>77940</u>	Comp 1: <u>Therminol, VPI</u>
TARE <u>33580</u>	Comp 2:
NET <u>44360</u>	Comp 3:
	Comp 4:

**For Hazardous Materials
 [or Dangerous Goods] Incident
 Spill, Leak, Fire, Exposure, or Accident
 Call CHEMTREC Day or Night
 1-800-424-9300 CCN798419**

LOADING INFORMATION

UNLOADING INFORMATION

	Date	Time
Arrived to Load	<u>12-28-18</u>	<u>1:15pm</u>
Start to Load	<u>12-28-18</u>	<u>2:30pm</u>
Finished Loading	<u>12-28-18</u>	<u>3:15pm</u>
TOTAL Loading Hours		<u>2 hrs</u>

	Date	Time
Arrived to Unload	<u>1-1-19</u>	<u>4:00AM</u>
Start to Unload	<u>1-1-19</u>	<u>4:30AM</u>
Finished Unloading	<u>1-1-19</u>	<u>6:30pm</u>
TOTAL Unloading Hours		<u>2.5 hrs</u>

LOADING DELAY EXPLANATION: _____

UNLOADING DELAY EXPLANATION: _____

By signing below, shipper's representative agrees the above times are correct, and shipment is properly secured, except as noted.

Signed: **X**

Print Name:

Driver Verifies by Signature:

By signing below, receiver's representative agrees the above times are correct, and shipment is unloaded, except as noted.

Signed: **X**

Print Name:

Driver Verifies by Signature:

OFFICE USE ONLY

	Pump	Weight	Scale Ticket	Intran Heat	Hose	Extra PU/DL	Vac	Tolls \$
Loading:			\$					
Delivery			\$					

	Demurrage	Spotting	Layover	Rental

South Coast Terminals



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

09:14 AM 12/29/2013
ID
79260 lb @ (Total)
11880 lb @ (Scale 1)
75840 lb @ (Scale 2)
31740 lb @ (Scale 3)

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: Carl Val m

LOADING CERTIFICATION

By signing below, Shipper's representative agrees that:

1. The equipment presented for loading is appropriate for the material to be loaded.
2. The equipment meets the shipper's standard of cleanliness.
3. The amount of product to be loaded will not exceed the capacity of the carrier's equipment.
4. The driver is authorized to begin the loading process.

Signed: **X** *Ref. sed*
 Print Name:



1761 South Tyler Rd. • Gladewater, TX 75647
 903-844-9118 • Fax 903-844-8919
 DOT#: 516226 • MC#: 243197

EMERGENCY CONTACT: 903-844-9118

TICKET # *22684*

UNLOADING CERTIFICATION

By signing below, Consignee's representative agrees that:

1. The product to be delivered has been identified as correct on the shipper's Bill of Lading.
2. The unloading hose is connected to the proper storage vessel connection.
3. The storage vessel has sufficient room to hold all the product to be delivered.
4. The driver is authorized to begin the unloading process.

Signed: **X** *J. H. ...*
 Print Name:

ORIGIN INFORMATION

DESTINATION INFORMATION

Shipper: *(LUC) Sulvia Inc. c/o Southwest Term (Hwy 29)* Consignee: *(LUC) Mojave Solar (Hinkley, Ca)*
 Origin City, State: *7301 Wallisville Road Houston TX 77020* Destination City, State: *42134 Harper Lake Rd Hinkley Ca 92342*
 Requested Load Date: *12-28-18* Requested Delivery Date: *12-31-18*
 Requested Load Time: *10:30 AM* Requested Delivery Time:

Dispatch # *order # 6482 DEL # 38656717* Manifest / BOL Number *Box # 7234665* Purchase Order # *Ship # 72003013*
 Driver Name *Brian Wise* Tractor # *1011* Trailer # *7658 7712*

Special Instructions:

PRODUCT INFORMATION

WEIGHT	COMMODITY DESCRIPTION
	Comp 1: <i>Theoretical / VPI</i>
Gross <i>79260</i>	Comp 2:
TARE <i>34510</i>	Comp 3:
NET <i>44720</i>	Comp 4:

**For Hazardous Materials
 [or Dangerous Goods] Incident
 Spill, Leak, Fire, Exposure, or Accident
 Call CHEMTREC Day or Night
 1-800-424-9300 CCN798419**

LOADING INFORMATION

UNLOADING INFORMATION

	Date	Time
Arrived to Load	<i>12-28-18</i>	<i>10:00 AM</i>
Start to Load	<i>12-28-18</i>	<i>10:25 AM</i>
Finished Loading	<i>12-28-18</i>	<i>1:30 PM</i>
TOTAL Loading Hours		

	Date	Time
Arrived to Unload	<i>12-31-18</i>	<i>6:00 AM</i>
Start to Unload	<i>12-31-18</i>	<i>7:00 AM</i>
Finished Unloading	<i>12-31-18</i>	<i>9:05 AM</i>
TOTAL Unloading Hours		

LOADING DELAY EXPLANATION: *Got loaded out Petroleum, Chemical sample taken. Delayed to 7:05 PM. Driver to Qula in shipper's. Picked up 7:01 7:12 to be loaded 12-28-18 7:00 AM*

UNLOADING DELAY EXPLANATION:

By signing below, shipper's representative agrees the above times are correct, and shipment is properly secured, except as noted.
 Signed: **X** *Ref. sed*
 Print Name:
 Driver Verifies by Signature: *Brian Wise*

By signing below, receiver's representative agrees the above times are correct, and shipment is unloaded, except as noted.
 Signed: **X** *J. H. ...*
 Print Name:
 Driver Verifies by Signature: *Brian Wise*

OFFICE USE ONLY

	Pump	Weight	Scale Ticket	Intran Heat	Hose	Extra PU/DL	Vac	Tolls \$
Loading:			\$					
Delivery			\$					

	Demurrage	Spotting	Layover	Rental

STRAIGHT BILL OF LADING - SHORT FORM

NOT NEGOTIABLE

Page NO :
1 of 2

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

**BULK
SHIPMENT**

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 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 3138513	CUSTOMER ORDER NUMBER 4500895075	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."
CONSIGNEE TO MOJAVE SOLAR LLC 42134 HARPER LAKE RD HINKLEY CA 92347-9305			BL DATE 12/28/2018	Freight charge PREPAID	
CAR OR VEHICLE INITIAL & NUMBER TOMMY ELLIS 7712			SUBMIT BILL FOR FREIGHT CHARGES TO: EASTMAN CHEMICAL CO. ATTN: ACCTS. PAYABLE P.O. BOX 511 KINGSPORT TN 37662		
ORIGIN CARRIER & ROUTING TOMMY ELLIS TRUCKING LLC					

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.: 4500895075 SHIPMENT SPECIAL INSTRUCTIONS Call Eastman Logistics immediately at 423-857-1311 for any potential delays in loading, unloading, or during shipment. Requested Delivery 12/31/2018 LOAD 12N THE 28TH 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:38656717 Customer Orders:4500895075 Eastman Orders:3138513	LB GROSS: 79260 # TARE: 34540 # NET: 44720 #
SEALS T-2491733 B-2491734 LOAD TEMP: 95°			

STRAIGHT BILL OF LADING - SHORT FORM

NOT NEGOTIABLE

Page NO : 2 of 2

SHIPPER: SOLUTION INC. A SUBSIDIARY OF EASTMAN CHEMICAL CO C/O SOUTHCOAST TERMINALS 7401 WALLISVILLE ROAD HOUSTON, TX 77220	CONSIGNEE TO: MOJAVE SOLAR LLC 42134 HARPER LAKE RD HINKLEY CA 92347-9305
B/L NUMBER SO-72346665	

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 distribution 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 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)

Paul Whitt

12-29-18

B/L NUMBER: **SO-72346665**

SHIPMENT: **82003013**

Transportation Emergency Contact: Chemtrec 1-800-424-9300, CCN 7321

SHIPMENT#: 82003013

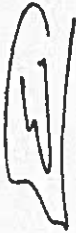
PRD *

Atlantica Yield

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

Page 1 of 2

APPROVED



Purchase Order.		Allocation Center.	
Number:	4500895075	P/K25/05/000004-605	
Delivery Date:	11/26/2018		
Destination:	12/20/2018		
Company: Mojave Solar LLC		Address: 42134 Harper Lake Road, CA	
Address: Hinkley CA 92347 USA		Ph.: 303-928-8500	
Ph.: 303-928-8500		Fax: 303-928-8510	
E-Mail:		E-Mail:	
Consignee	Mojave Solar LLC	Packing:	Mat. Price:
Freights		Payment within 60 days	
Paym.cond.			
Incoterm			
Contact Person	Angelica Mlynarczyk	angelica.mlynarczyk@atlanticayield.com	

Solutia Inc	43-1781797
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	EA	P/K25/05/000004-605	12/20/2018	Bulk Therminol VP1	11.57	0.00	0.00	0.00	115,700.00	
Amount Partial of Purchase Order											115,700.00	
Total Net Price												115,700.00
Total PO (in USD)												115,700.00

rec'd 12/31/18

rec'd 1/31/18 - in transit FOB origination arrived 1/1/19 but left on 12/31/18

Contract: 50509
 Mark Egbunu approved \$11.57/gallon 11/21/2018

2018 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	1/19/2018	Minor	Beta	N/A	Collector 117660808 Rotary Joint Leaking HTF	HTF	3 Gal	8 Soil Barrels, 55 Galons	8:00 AM	8 Soil Barrels, 55 Galons	Abengoa Solar	LTU	LTU	399716-001	N/A
2	1/19/2018	Minor	Alpha	N/A	HTF leaked out of a valve on the oily water separator waste pumps.	HTF	5 Gal	25 Absorbent pads	9:30 AM	None	Abengoa Solar	N/A	N/A	N/A	N/A
3	1/28/2018	Minor	Alpha	N/A	The vessel MT-206A has a leak on the bottom belly - dripping into a barrel. Barrel overflowed into the dirt below.	HTF - Water Ullage Chemicals	5 Gal	8 Barrels of contaminated Dirt	8:00 AM	8 Barrels of contaminated Dirt	Abengoa Solar	Disposal	TSDf	399716-005	N/A
4	2/22/2018	Minor	Beta (BOP Road)	N/A	Operator was having trouble maintaining the Feedwater tank level and water was observed overflowing from tank. Problem identified as MFC 320 safety lifting, causing the water top be discharged to the sump.	Polished water	5000 Gal	None	9:20 AM	None	Abengoa Solar	N/A	N/A	N/A	N/A
5	3/9/2018	Minor	Alpha - Chemical Storage Area	N/A	During weekly inspection of storage area, discovered that one of the gallon bottles of hydrochloric acid had fallen and exploded covering the inside of the storage cell with acid.	Hydrochloric Acid - Muriatic Acid	1 Gallon	Spill absorbent material	2:30 PM	None	Abengoa Solar	Disposal	TSDf	N/A	N/A
6	3/19/2018	Minor	Alpha WT	N/A	There was leakage on the Multimedia Filters A,B,C and E. The isolation valves were immediately turned off.	Water	1000 Gallons	None	11:00 AM	None	Abengoa Solar	N/A	N/A	N/A	N/A
7	3/31/2018	Minor	Alpha	N/A	Sodium Hydroxide leak in feed cabinet. All cans were contained in the cabinet and isolated from tank to feed lines.	Sodium Hydroxide	3	2.5 Gallons of Liquid	7:30 AM	None	Abengoa Solar	Disposal	TSDf	N/A	N/A
8	4/11/2018	Minor	Beta	N/A	NaOH Feed Pipe leak inside cabinet. Feed valves were shut off immediately. Cold was the probable cause of the incident.	NaOH	12	10	12:00 PM	None	Abengoa Solar	Disposal	TSDf	N/A	N/A
9	4/16/2018	Minor	Alpha	N/A	Condensate line P5V in BOP area opened drain and HTF came out. Contaminated materials were removed and incinerated. Soiled PIGS were put into trash bags and taken to the proper disposal area in Beta. Concrete area was power washed afterwards.	Watered HTF	5 Gal	1 cubic yard	21:00 PM	1 Cubic Yard	Abengoa Solar	Disposal	TSDf	N/A	N/A
10	4/26/2018	Minor	Beta - WT South Side	N/A	During flushing of Primary # after CIP in Manual, both inject valves (Return to CIP and Reject to Softening Tank) kept open and made the Reject water from the both BOP returned and overflowed the CIP tank for 15min.	Water	2000 Gallons	None	13:15 PM	None	Abengoa	N/A	N/A	N/A	N/A
11	5/14/2018	Minor	Alpha	N/A	Barrel of Diesel Exhaust Fluid staged by Diesel refueling area, there was no containment for the barrel. The spill is on the paved area. Hose may have been blown over from high winds. Reviewed SDS on the hazard, area is closed off for no operational use.	Diesel Exhaust Fluid (DEF)	10	3 1/2 5 Gallon Buckets	8:00 AM	None	Abengoa	Disposal	TSDf	N/A	N/A
12	5/19/2018	Minor	Beta	N/A	B3 well pump turn on while the Multimedia filters valves were close. The pressure relief valve did not open. Two gasket on the influent line blow, the main WTP feed line blew out a gasket. Well pumps were turn off. The difference in raw water tank level from DCS and WTP SCADA is believed to be the probable cause. Well pumps were turn off.	Water	2000 Gallons	None	7:30 AM	None	Abengoa	N/A	N/A	N/A	N/A
13	7/9/2018	Minor	Alpha	N/A	WTP Softening System, MF435 overflowed because MF435A tripped on low pressure and it was able to reset from PLC. Operator try to reset the pump as soon as he was aware of the situation but because the pump was unable to reset from PLC operator reset the breaker inside MFC.	Water	2000 Gallons	none	11:30 AM	None	Abengoa	N/A	N/A	N/A	N/A
14	7/17/2018	Minor	Alpha	N/A	While the filter was washing in alpha solar field 147EF a hydraulic hose came loose and spilled approx 50 gallons down the row. Contaminated materials were removed and handled as follows. Minor work crew informed supervisor on shift that it was too dark to pick up the rest.	Hydraulic Fluid	50 Gallons	Dirt	1:00 AM	50 gallons	Abengoa	20 cy bin in Beta	TSDf	N/A	N/A
15	7/22/2018	Minor	Alpha	N/A	The return side single rotary joint on 105-C started leaking HTF oil. Collectors were taken down to stop, isolated the inlet valve and the oil was contained with both 55 gallon barrels. Material wear of the rotary joint was probably he cause of the incident.	HTF	6 Gallons	Dirt	10:00 AM	1 55 gallon Barrel	Abengoa	Disposal to TSDf	TSDf, high oxybisbenzene	407176-008	N/A
16	8/4/2018	Minor	Alpha	N/A	Hydraulic leak Albatros #2 of H46 oil mineral on asphalt. Investigating hydraulic leak on Albatros # 2 coming from hydraulic pump (pressure side) manifold removed. O-ring seal damaged. No direct replacement seal in stock available. The closest O-ring available was used as a replacement.	Hydraulic Fluid	1	None	3:00 PM	None	Abengoa	Disposal to TSDf	N/A	N/A	N/A
17	8/7/2018	Minor	Beta	IRLDHC-834	Return rotary joint in SF 543 at Beta plant failed and lost approximately 6 gallons of HTF. Cause of failure is under investigation.	HTF	6 Gallons	Dirt	9:00 AM	15 55Gal Barrels	Abengoa	Disposal to TSDf High	TSDf	407176-009	N/A
18	8/13/2018	Minor	Beta	N/A	Filter press Hydraulic Oil reservoir started leaking because oil high temperature melted down the sight glass. Used a drum to contain the leakage and used pigs to keep the spilled oil on concrete slab and cleaned up the spilled oil. Maintenance Checked the oil tank. Problem in hydraulic system valves didn't let the pump to rich the set point and that made the pump to run continuously. Root cause: Hydraulic system defective valves.	Mineral Oil	5	None. Contained spill	14:00 PM	None	Abengoa	Disposal Recycling Facility TSDf	TSDf for recycling	N/A	N/A
19	8/15/2018	Minor	Alpha	IRLDHC-844	MT 20A48B P5V filled from flushing of water causing system to over pressurize. Return suction of overflow pumps, and continued to vent LP. Possible causes of incident: Water from MV207, LV 20701 opened and over pressurized MT 20A48B which also induce water MV 207- LV 20701 opened up putting water in MT 20A48B.	HTF	1 Gallon	None	11:30 AM	None	Abengoa	Treated onsite	Oil to TSDf for recycling after the oil water separator system	N/A	N/A
20	8/19/2018	Minor	Alpha	IRLDHC-850	All of the latches except one on the filter bin gate were broken. The only one available failed under the sludge load while contractor was trying to remove the bin and all the sludge was dumped under the filter press. B. Shih Maintenance and Power Block Operator cleaned up the mess.	Filter Press Cake	200 gallon	None	8:30 PM	None	Abengoa	Disposal Recycling Facility TSDf	Disposal Recycling Facility TSDf	N/A	N/A
21	9/4/2018	Minor	Alpha	IRLDHC-859	HTF Cooler leaked from cooler flange. Dug up spill and cleaned dirt in barrels. Flange was leaking.	HTF	1.5 Gallon	Dirt	8:00 AM	1.5 Barrel	Abengoa	Disposal Facility TSDf	Disposal Facility TSDf	N/A	N/A
22	9/5/2018	Minor	Alpha	IRLDHC-860	Diesel Fuel leaked at diesel fuel station. Absorbent pads were placed around the diesel and contain the spill.	Diesel Fuel	0.5	Soiled Absorbent pads	9:00 AM	Soiled Pig mats	Abengoa	Disposal Facility TSDf	Disposal Facility TSDf	N/A	N/A
23	9/15/2018	Minor	Alpha	N/A	While moving the old Ferroc Chloride tank, with the flatbed truck a valve stem was broke off.	Ferroc Chloride	8-10 Gal	4 55-gal Barrels	12:30 PM	contaminated rocks, soil and soda ash	Abengoa	Disposal Facility TSDf	Disposal Facility TSDf	N/A	N/A
24	10/22/2018	Minor	Beta	IRLDHC-967	Beta Soda Ash feed water valve stuck open and made the tank to overflow about 1000 Gal. Notification sent.	Water	1000 Gallons	None	10:00 AM	N/A	Abengoa	N/A	N/A	N/A	N/A
25	10/23/2018	Minor	Beta	IRLDHC-990	Hydraulic oil spill from Dewaterator. Dewaterator discharge line vibrated out of the tote causing hydraulic fluid to be spilled into the containment area and onto the dirt. Approx 18 gallons.	Hydraulic Fluid	18 Gallons	4 Barrels	10:45 PM	Contaminated dirt disposed of into the 20CY bin	Abengoa	Contaminated dirt disposed of into the 20CY bin	Disposal Facility TSDf	N/A	N/A
26	10/24/2018	Very Serious	MMF A or C	IRLDHC-991	MMF pressure relief valve opened well pump did not turn off. Put MMF in local and off and shut off well pumps.	Water	1000 Gallons	Water	8:22 AM	None	Abengoa	N/A	N/A	N/A	N/A
27	10/25/2018	Minor	Beta	IRLDHC-992	Both first clarifier pumps MP-435 A&B tripped and made the tank MF435 overflow. Both beta first clarifier pumps tripped and made the tank MP-435 overflow and released over 1000 Gallons.	Water	1000 Gallons	none	8:55 AM	None	Abengoa	N/A	N/A	N/A	N/A
28	10/29/2018	Minor	Beta	IRLDHC-994	Dehydrator discharge line vibrated out of tote causing fluid to be spilled into the containment and onto the dirt.	Hydraulic Fluid	18 Gallons	Soiled Absorbent pads	12:00 PM	2 Barrels	Abengoa	Contaminated dirt disposed of into the 20CY bin	Disposal Facility TSDf	N/A	N/A
29	10/30/2018	Minor	Alpha	IRLDHC-995	Outside of Alpha main Gate. Appears that a 5-gallon bucket of HTF was tipped over in the back of the site facility ehicle. The vehicle was traveling from alpha to beta when the bucket tipped over and spilled on tarpet side road.	Mineral Oil	3 Gallons	Soiled Absorbent pads and dirt.	6:00 PM	1 Barrel	Abengoa	Contaminated dirt disposed of into the 20CY bin	Disposal Facility TSDf	N/A	N/A
30	11/2/2018	Minor	Alpha	IRLDHC-996	While a bucket of oil (Turbo 68HTF) was being transported from Alpha plant Mojave solar to Beta plant for disposal. The bucket tipped over in the truck bed resulting in an oil spill along the first 30 feet of tarpet heading south from alpha gate.	Turbo 68HTF	5 Gallons	3.5 55 Gal barrels	8:27 PM	3.5 barrels	Abengoa	Contaminated dirt disposed of into the 20CY bin	Disposal Facility TSDf	N/A	N/A
31	11/5/2018	Minor	Alpha	IRLDHC-999	A bucket of oil (Turbo 68HTF) was being transported from Alpha plant Mojave solar to Beta plant for disposal. The bucket tipped over in the truck bed resulting in an oil spill along the first 30 feet from Lockhart location heading south from alpha gate. About 35 gallon of contaminated soil was removed and disposed.	Turbo 68HTF	1 Gallon	35 Gallons of Soil	4:16 PM	35 Gallons of contaminated soil	Abengoa	Contaminated dirt disposed of into the 20CY bin	Disposal Facility TSDf	N/A	N/A
32	11/9/2018	minor	Beta	IRLDHC-1050	The single line hose with a rotary joint on row 69 A developed a leak and dripped about 1 gallon of HTF under it. To mitigate this we changed out the rotary joint with a new one and cleaned up the spill.	HTF	1 Gallon	30 Gallons of soil	2:21 PM	3, 55 gallons/each barrels	Abengoa	LTU	LTU	410352-001	12/27/2018
33	11/12/2018	minor	Alpha	IRLDHC-1052	The well pump 425B (B3) started and the valves to the Multi-Media Filters were not open. The pressure caused the pressure relief valve, before the MMFC, to activate discharging well water onto the ground.	Water	20 Gallons	none	7:11 PM	None	Abengoa	None	N/A	N/A	N/A

Water10-18-00 submittal



Appendix D

Air Quality 24

2018 Cooling Tower operating emission rate

Mojave Solar Project Annual Compliance Report San Bernardino County, California

2018 Reporting Period

Cooling Tower Fan Runtime Records

Date	11/1/2018	11/2/2018	11/3/2018	11/4/2018	11/5/2018	11/6/2018	11/7/2018	11/8/2018	11/9/2018	11/10/2018	11/11/2018	11/12/2018	11/13/2018	11/14/2018	11/15/2018	11/16/2018	11/17/2018	11/18/2018	11/19/2018	11/20/2018	11/21/2018	11/22/2018	11/23/2018	11/24/2018	11/25/2018	11/26/2018	11/27/2018	11/28/2018	11/29/2018	11/30/2018	12/1/2018	
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		
Alph	Total Runtime	Hours	2.82500005	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Beta	Total Runtime	Hours	8.94999981	7.16666651	8.96666622	8.28333378	5.83333349	8.78333378	8.48333359	8.9333334	8.48333359	8.63333321	7.55000019	8.41666698	8.39999962	5.80000019	8.0666666	8.41666698	7.25	7.51666689	7.9000001	0.30000001	7.83333349	6.26666689	7.5999999	8.1833334	8.1833334	4.5	8.26666641	6.61666679	8.01666641	0

Alpha- Nov Run Time	Alpha-12 Month Rollin
2.83	2666.46

Beta- November Run Time	Beta-12 Month Rollin
217.60	2818.78

Equipment shall not be operated for more than 5,640 hours per rolling 12 month period.

Alpha Cooling Tower Chemical Control Log Records

Date	Location	GE Trailer										444 Tank	Analyst	Comments/Notes	
	Description	Screen		Actual											Specific Cond.
		Time	Temp.	Specific Cond.	pH	ORP (Redox)	TDS	Phosphate (PO4)	Silica	Iron, Total	Chlorine (Free)				
		Limit	-	<3,500	8.0-8.7	500-700	<2,500	10.0-12.0			0.5-1.0				
Units	HH:SS	°F	µS/cm	-	mV	ppm	ppm	ppm	ppm	gpm	µS/cm				
1-Jan-18		11:30	69.1	1,752	7.80	530	1,270	11.60			0.7		Mahnaz		
2-Jan-18		O/S											Robles		
3-Jan-18		O/S											Robles		
4-Jan-18		13:30	73.9	1,812	7.88	510	1,344	11.80			1.2		Robles		
5-Jan-18		13:00	73.5	1,830	7.70	554	1,351				0.8		Mahnaz		
6-Jan-18															
7-Jan-18		13:00	77.7	1,905	7.70	535	1,310	14.90			0.9		Mahnaz		
8-Jan-18															
9-Jan-18															
10-Jan-18		12:30	69.4	1,928	7.96	226	1,437	13.40	20.25	1.41	0.5		Robles		
11-Jan-18		O/S											Robles		
12-Jan-18		13:00	70.3	1,965	7.70	505	1,526	13.30			0.8		Robles		
13-Jan-18		12:30	70.7	2,023	7.24	467	1,577				0.6		Robles		
14-Jan-18		13:00	73.5	2,006	7.96	507	1,615				0.6		Mahnaz		
15-Jan-18		12:30	75.8	2,010	8.00	515	1,620	15.00			0.6		Mahnaz		
16-Jan-18		15:15	73.0	2,004	7.90	510	1,600				0.7		Mahnaz		
17-Jan-18		10:30	69.7	2,273	8.00	468	1,661		23.30	1.40	0.7		Mahnaz		
18-Jan-18															
19-Jan-18		12:00	70.1	2,360	8.24	547	1,719	14.60			1.5		Mahnaz		
20-Jan-18															
21-Jan-18															
22-Jan-18		11:00	69.5	2,339	8.20	449	1,708	13.60			0.3		Mahnaz		
23-Jan-18		11:00	69.2	2,450	8.24	460	1,715				1.0		Mahnaz		
24-Jan-18		11:00	68.1	2,342	8.10	582	1,716	13.50			1.0		Mahnaz		
25-Jan-18		11:30	65.3	2,390	8.00	557	1,752				1.0		Mahnaz		
26-Jan-18		14:00	67.3	2,190	7.63	411	1,739				0.5		Robles		
27-Jan-18		12:30	69.0	2,219	7.58	443	1,765	10.80	22.55		0.7		Robles	+++	
28-Jan-18		12:30	68.8	2,215	7.65	527	1,760				0.9		Robles		
29-Jan-18		14:00	69.1	2,260	8.58	462	1,798				0.6		Robles		
30-Jan-18		14:10	73.8	2,314	8.63	551	1,834	12.10			1.0		Mahnaz		
31-Jan-18		13:00	77.3	2,360	8.60	528	1,817		25.70		1.0		Mahnaz		
1-Feb-18		13:50	77.3	2,431	8.63	446	1,940				1.0		Mahnaz		
2-Feb-18		12:30	70.8	2,462	8.66	487	1,955	11.80	25.90		0.6		Robles	+++	
3-Feb-18		13:00	69.3	2,362	8.65	525	1,866				0.9		Robles		
4-Feb-18		O/S											Robles		
5-Feb-18		12:30	66.7	2,338	8.62	547	1,848	10.90			1.0		Robles		
6-Feb-18		13:00	70.1	2,393	8.66	468	1,878				0.5		Robles	+++	
7-Feb-18		11:30	77.2	2,456	8.70	526	1,956	11.90	26.00		1.0		Mahnaz		

8-Feb-18		10:00	77.6	2,384	8.65	518	1,945				1.0		Mahnaz	
9-Feb-18		11:30	71.6	2,158	8.61	567	1,718			2.34	1.0		Mahnaz	
10-Feb-18														
11-Feb-18		13:00	68.6	2,208	8.54	510	1,747	8.90	23.90		1.0		Robles	+++
12-Feb-18		12:30	67.4	2,221	8.56	515	1,760				1.0		Robles	
13-Feb-18		13:30	70.3	2,286	8.56	504	1,813	8.80			0.8		Robles	
14-Feb-18		O/S											Robles	
15-Feb-18		10:30	67.5	2,039	8.65	513	1,613				0.6		Mahnaz	
16-Feb-18		10:30	68.8	2015	8.60	510	1608	8.8			0.6		Mahnaz	
17-Feb-18		10:30									0.6		Mahnaz	
18-Feb-18		10:30	67.9	1,995	8.55	510	1,584				0.6		Mahnaz	
19-Feb-18		O/S											Robles	
20-Feb-18		12:30	64.0	1,967	8.37	510	1,549	7.80	19.80		0.7		Robles	+++
21-Feb-18		12:30	64.8	1,962	8.40	480	1,542				0.5		Robles	
22-Feb-18													Robles	
23-Feb-18								19.70						
24-Feb-18														
25-Feb-18										1.10				
26-Feb-18														
27-Feb-18		13:30	65.4	1,878	8.43	502	1,476				0.7		Robles	
28-Feb-18		12:30	69.0	1,808	8.40	510	1,406	8.50	20.30		0.6		Robles	+++
1-Mar-18		13:30	66.9	1,812	8.44	461	1,413				0.5		Robles	
2-Mar-18		O/S												
3-Mar-18		O/S												
4-Mar-18		11:30	68.4	1,761	8.44	492	1,376	11.80	10.90		0.8		Mahnaz	
5-Mar-18		10:30	70.8	1,776	8.35	517	1,382			0.79	0.8		Mahnaz	
6-Mar-18		12:00	70.8	1,785	8.35	515	1,390	13.80			0.8		Mahnaz	
7-Mar-18														
8-Mar-18		13:30	71.7	1,854	8.38	436	1,402	12.20	20.50		0.5		Robles	+++
9-Mar-18		13:30	72.5	1,982	8.39	511	1,510				0.7		Robles	
10-Mar-18		O/S											Robles	
11-Mar-18														
12-Mar-18		10:45	75.9	1,815	8.55	373	1,412	11.70			0.2		Mahnaz	
13-Mar-18		14:00	76.6	1,785	8.50	405	1,383		18.00		0.4		Mahnaz	
14-Mar-18														
15-Mar-18		13:30	65.9	1,888	8.22	486	1,441	9.70	19.75		0.7		Robles	+++
16-Mar-18		13:30	66.9	1,808	8.33	478	1,374				0.5		Robles	
17-Mar-18		13:30	64.9	1,812	8.33	521	1,378	8.90			0.7		Robles	
18-Mar-18		12:30	63.9	1,835	8.37	528	1,399				0.9		Robles	
19-Mar-18		13:30	68.6	1,760	8.37	240	1,366				0.0		Mahnaz	
20-Mar-18		O/S											Mahnaz	
21-Mar-18		O/S											Mahnaz	
22-Mar-18		O/S											Mahnaz	
23-Mar-18		12:30	68.9	1,774	8.39	492	1,365	9.80	20.75	1.37	0.5		Robles	
24-Mar-18		12:30	67.1	1,743	8.20	504	1,339				0.7		Robles	
25-Mar-18		12:30	67.5	1,722	8.19	512	1,327	9.30			0.7		Robles	
26-Mar-18		12:30	65.8	1,780	8.39	523	1,375				0.9		Robles	
27-Mar-18		10:30	67.2	1,740	7.80	540	1,354	10.50	19.90		0.5		Mahnaz	

28-Mar-18		11:00	69.4	1,762	8.05	545	1,368			1.00	0.5		Mahnaz
29-Mar-18		11:00	66.9	1,836	8.00	585	1,435				1.0		Mahnaz
30-Mar-18		12:30	75.9	1,983	8.53	264	1,538				0.2		Robles
31-Mar-18		12:30	73.0	1,503	8.39	452	1,146	9.10	17.60	0.93	0.5		Robles
1-Apr-18		13:00	72.4	1,453	8.36	462	1,106				0.5		Robles
2-Apr-18		12:30	72.8	1,469	8.32	472	1,115				0.5		Robles
3-Apr-18		13:30	72.7	1,409	8.36	475	1,069	9.70			0.5		Robles
4-Apr-18													Mahnaz
5-Apr-18		11:00	70.1	1,423	8.20	405	1,236		15.00	0.94	0.6		Mahnaz
6-Apr-18		O/S											Mahnaz
7-Apr-18		10:00	78.8	1,567	8.18	528	1,199	10.90			1.2		Mahnaz
8-Apr-18		13:30	75.6	1,668	8.42	502	1,269				1.1		Robles
9-Apr-18		12:00	73.9	1,625	8.41	544	1,243	12.50	11.95	1.01	1.0		Robles
10-Apr-18		12:00	73.8	1,654	8.40	526	1,266				1.0		Robles
11-Apr-18		12:00	73.4	1,681	8.44	497	1,287	12.80			0.6		Robles
12-Apr-18		O/S											Mahnaz
13-Apr-18		10:30	71.1	1,690	8.27	552	1,310	14.40	16.90		1.0		Mahnaz
14-Apr-18		10:30	74.2	1,715	8.30	540	1,323			0.98	0.9		Mahnaz
15-Apr-18		O/S											Mahnaz
16-Apr-18		O/S											Robles
17-Apr-18		O/S											Robles
18-Apr-18		O/S											Robles
19-Apr-18		O/S											Robles
20-Apr-18		O/S											Mahnaz
21-Apr-18		13:30	74.2	1,700	8.43	386	1,311				0.4		Mahnaz
22-Apr-18		10:30	67.5	1,641	8.44	478	1,362	13.50	18.25		0.5		Mahnaz
23-Apr-18		11:00	71.3	1,830	8.42	474	1,431				0.5		Mahnaz
24-Apr-18		12:00	72.5	1,760	8.44	458	1,377				0.5		Robles
25-Apr-18		13:00	70.5	1,742	8.33	477	1,367				0.5		Robles
26-Apr-18		11:00	70.9	1,791	8.41	468	1,405	11.50	19.40	1.13	0.5		Robles
27-Apr-18		10:30	72.1	1,811	8.50	320	1,414	10.70	18.80		0.4		Mahnaz
28-Apr-18		10:30	72.5	1,823	8.50	325	1,430				0.5		Mahnaz
29-Apr-18		10:30	70.5	1,856	8.50	365	1,458			1.15	0.5		Mahnaz
30-Apr-18		13:00	66.6	1,860	8.50	370	1,465	10.80			0.5		Mahnaz
1-May-18		O/S											Mahnaz
2-May-18		13:00	69.8	2,181	8.53	527	1,704				0.9		Robles
3-May-18		14:00	76.0	2,204	8.51	489	1,701	9.90	20.25	1.06	0.5		Robles
4-May-18		13:00	77.2	2,290	8.50	454	1,781				0.5		Robles
5-May-18		13:00	79.5	2,319	8.48	459	1,803				0.5		Robles
6-May-18		13:00	77.7	2,275	8.50	411	1,179				0.4		Mahnaz
7-May-18		10:00	78.0	2,270	8.50	415	1,183	8.90	20.00		0.5		Mahnaz
8-May-18		12:00	74.0	2,472	8.50	431	1,976			0.96	0.5		Mahnaz
9-May-18		9:30	72.1	2,710	8.54	443	2,160	10.90			0.4		Mahnaz
10-May-18		13:00	75.2	2,892	8.54	427	2,279	9.60	14.45	1.05	0.4		Robles
11-May-18		O/S											
12-May-18		13:00	73.3	2,714	8.55	496	2,155				0.7		Robles
13-May-18		13:00	74.7	2,864	8.60	467	2,255	9.80			0.6		EZ/Robles
14-May-18		9:30	68.8	3,024	8.55	468	2,387	11.80	24.90	0.98	0.8		Mahnaz

15-May-18		9:30	70.1	3,206	8.60	520	2,564	10.80			0.6	Ricky
16-May-18		9:30	68.3	3,100	8.55	530	2,417	12.30			0.6	Mahnaz
17-May-18		13:30	69.0	3,003	8.54	535	2,380				0.6	Mahnaz
18-May-18		9:45	67.5	3,351	8.64	510	2,740	13.70			0.6	Mahnaz
19-May-18												
20-May-18		10:30	72.5	3,012	8.60	413	2,397	12.00			0.5	Efrem
21-May-18		10:30	70.5	2,828	8.50	450	2,224	11.90			0.5	Efrem
22-May-18		9:30	70.5	2,770	8.57	509	2,186	11.50			0.7	Mahnaz
23-May-18		10:00	70.6	2,890	8.56	513	2,190		22.00		0.7	Mahnaz
24-May-18		10:00	69.5	2,770	8.56	456	2,177	12.80		0.71	0.5	Mahnaz
25-May-18												
26-May-18		13:00	72.1	2,655	8.56	489	2,104	10.70		0.65	0.7	Robles
27-May-18		13:00	72.9	2,575	8.55	481	2,028				0.6	Robles
28-May-18		13:00	76.4	2,591	8.58	472	2,037				0.6	Robles
29-May-18		12:30	76.9	2,512	8.56	458	1,974	11.20	24.95		0.5	Robles
30-May-18		9:30	74.1	2,294	8.55	467	1,817	10.70	21.00		0.7	Mahnaz
31-May-18		9:30	74.5	2,310	8.55	471	1,824			0.53	0.7	Mahnaz
1-Jun-18		9:30	66.0	2,370	8.61	519	1,896				0.7	Mahnaz
2-Jun-18		9:30	71.1	2,350	8.56	522	1,883	10.00			0.7	Mahnaz
3-Jun-18												
4-Jun-18		12:00	877.9	2,632	8.55	414	1,987	11.10		0.54	0.4	Robles
5-Jun-18		12:30	78.3	2,511	8.54	452	1,890				0.5	Robles
6-Jun-18		12:00	75.0	2,475	8.50	458	1,864	9.50	25.00		0.5	Robles
7-Jun-18		12:30	75.0	2,415	8.50	447	1,843				0.4	Robles
8-Jun-18		9:40	71.3	2,236	7.99	359	1,771	10.10			0.2	Aberrios
9-Jun-18		13:10	84.1	2,369	7.92	363	1,832				0.4	Aberrios
10-Jun-18		11:30	84.2	2,434	8.55	495	1,858				0.9	Robles
11-Jun-18		11:30	74.9	2,367	8.46	557	1,930	10.90	13.80	0.46	1.4	Robles
12-Jun-18		11:30	77.8	2,293	8.47	463	1,855				0.5	Robles
13-Jun-18		11:30	76.3	2,442	8.51	478	1,994	11.40			0.6	Robles
14-Jun-18		11:30	78.6	2,423	8.51	483	1,972				0.7	Robles
15-Jun-18		11:30	78.3	2,248	8.49	498	1,817	10.60			0.9	Robles
16-Jun-18		11:30	73.4	2,255	8.42	465	1,828				0.7	Robles
17-Jun-18												
18-Jun-18		12:05	76.6	2,474	8.14	523	1,883				0.6	Ricky
19-Jun-18		12:00	77.4	2,557	8.52	467	1,922	11.60	26.60	0.46	0.5	Robles
20-Jun-18		15:05	80.5	2,845	8.54	426	2,163				0.4	Aberrios/Robles
21-Jun-18		12:30	80.2	2,657	8.56	461	2,002	13.40			0.5	Robles
22-Jun-18		12:30	78.0	2,769	8.55	447	2,103				0.4	Robles
23-Jun-18		12:30	78.6	3,159	8.60	463	2,392	13.60			0.5	Robles
24-Jun-18												
25-Jun-18		11:10	77.3	3,222	8.76	386	2,605	12.10			0.3	Ricky
26-Jun-18		9:40	77.7	3,298	8.76	458	2,672				0.6	Ricky
27-Jun-18		12:30	82.4	3,642	8.66	457	2,782				0.5	Robles
28-Jun-18		13:00	79.2	3,609	8.66	467	2,745	11.40			0.5	Robles
29-Jun-18		11:00	76.3	3,123	8.15	465	2,527	9.60			0.6	Efrem
30-Jun-18												
1-Jul-18		10:30	72.5	2,973	8.72	492	2,391	10.30			0.5	Mahnaz

2-Jul-18		10:30	73.5	3,011	8.73	495	2,425				0.5		Mahnaz
3-Jul-18		10:30	74.5	3,118	8.73	490	2,490				0.8		Mahnaz
4-Jul-18		10:30	73.1	3,300	8.72	512	2,670						Mahnaz
5-Jul-18		12:30	76.4	3,743	8.66	468	2,883				0.6		Robles
6-Jul-18		12:30	78.9	3,645	8.65	481	2,790	10.50	40.45	0.51	0.6		Robles
7-Jul-18		12:30	79.9	3,437	8.54	468	2,608				0.6		Robles
8-Jul-18		12:30	82.9	3,563	8.63	472	2,711	10.10	44.75		0.7		Robles
9-Jul-18													
10-Jul-18		9:30	77.8	3,422	8.80	546	2,780	11.40			1.0		Mahnaz
11-Jul-18		10:15	77.1	3,610	8.50	502	2,940		37.00		0.7		Mahnaz
12-Jul-18		11:00	81.5	3,647	8.50	493	2,959			0.44	0.7		Mahnaz
13-Jul-18													
14-Jul-18													
15-Jul-18													
16-Jul-18		10:00	78.5	3,600	8.70	398	2,910	10.50			0.1		Efrem
17-Jul-18		10:30	76.8	3,526	8.81	437	2,874				0.6		Mahnaz
18-Jul-18		14:00	83.1	3,700	8.76	384	2,994	11.50			0.5		Mahnaz
19-Jul-18		9:30	80.2	3,682	8.80	330	2,993				0.5		Mahnaz
20-Jul-18													
21-Jul-18		12:00	82.0	3,450	8.70	233	2,797	10.50			0.5		Efrem
22-Jul-18		10:30	80.3	3,410	8.60	340	2,770	10.00			0.8		Efrem
23-Jul-18		10:30	80.5	3,460	8.50	360	2,810	9.70			0.7		Efrem
24-Jul-18		10:30	80.7	3,147	8.60	144	2,560	8.90			0.1		Efrem
25-Jul-18		10:00	79.2	3,096	8.74	475	2,488	9.10			1.2		Ricky
26-Jul-18		10:00	79.1	3,123	8.60	408	2,513	9.10	22.75		0.7		Mahnaz
27-Jul-18		10:00	74.8	3,115	8.60	415	2,500				0.8		Mahnaz
28-Jul-18		11:00	77.0	3,080	8.51	457	2,486	10.40		0.37	0.8		Mahnaz
29-Jul-18		10:30	77.7	3,072	8.40	364	2,486	8.90			0.2		Efrem
30-Jul-18													
31-Jul-18													
1-Aug-18		10:30	72.5	2,973	8.72	492	2,391	10.30			0.5		Mahnaz
2-Aug-18		10:30	73.5	3,011	8.73	495	2,425				0.5		Mahnaz
3-Aug-18		10:30	74.5	3,118	8.72	490	2,490				0.7		Mahnaz
4-Aug-18		10:30	73.1	3,300	8.72	512	2,670		31.15		0.7		Mahnaz
5-Aug-18		12:30	76.4	3,743	8.66	468	2,883			0.385	0.6		Robless
6-Aug-18		12:30	78.9	3,645	8.65	481	2,790	10.50			0.6		Robless
7-Aug-18		12:30	79.9	3,437	8.54	468	2,700				0.6		Robless
8-Aug-18		12:30	82.9	3,563	8.63	472	2,711	10.10			0.7		Robless
9-Aug-18													
10-Aug-18		9:30	77.8	3,422	8.80	546	2,780	11.40			1.0		Mahnaz
11-Aug-18		10:15	77.1	3,610	8.50	502	2,940		27.00	0.38	0.7		Mahnaz
12-Aug-18		13:00	81.5	3,647	8.50	493	2,959				0.7		Mahnaz
13-Aug-18													
14-Aug-18													
15-Aug-18													
16-Aug-18		10:00	78.5	3,600	8.70	398	2,990	10.50			0.1		Efrem
17-Aug-18		10:30	76.8	3,526	8.81	437	2,874				0.6		Mahnaz
18-Aug-18		14:00	83.1	3,700	8.76	384	2,994	11.50	27.80	0.33	0.50		Mahnaz

19-Aug-18		9:30	80.2	3,682	8.80	330	2,993				0.5		Mahnaz
20-Aug-18													
21-Aug-18		12:00	82.0	3,450	8.70	233	2,797	10.50			0.5		Efrem
22-Aug-18		10:30	80.3	3,410	8.60	340	2,770	10.00			0.8		Efrem
23-Aug-18		10:30	80.5	3,460	8.50	360	2,810	9.70	27.50		0.7		Efrem
24-Aug-18		10:30	80.7	3,147	8.60	144	2,560	8.90			0.1		Efrem
25-Aug-18		10:00	79.2	3,096	8.74	475	2,488	9.10			1.2		Ricky
26-Aug-18		10:00	79.1	3,123	8.60	408	2,513	9.10			0.7		Mahnaz
27-Aug-18		10:00	74.5	3,115	8.60	415	2,500		32.00		0.8		Mahnaz
28-Aug-18		11:00	77.0	3,080	8.51	457	2,486	10.40			0.8		Mahnaz
29-Aug-18		10:30	77.7	3,070	8.40	364	2,468	8.90		0.22	0.2		Efrem
30-Aug-18		9:30	71.1	2,990	8.50	423	2,410			0.22	0.6		Mahnaz
31-Aug-18		10:00	73.5	3,275	8.20	334	2,564				0.4		Mahnaz
1-Sep-18													
2-Sep-18													
3-Sep-18		10:30	72.7	3,650	8.37	508	2,990	12.50			0.8		Mahnaz
4-Sep-18		11:30	74.8	3,900	8.40	450	3,270				0.8		Mahnaz
5-Sep-18		10:00	75.1	3,890	8.30	455	3,191		28.00	0.31	0.8		Mahnaz
6-Sep-18		11:00	77.1	3,930	8.35	460	3,228				0.7		Mahnaz
7-Sep-18		10:30	77.2	4,000	8.50	465	3,298	11.80			0.7		Mahnaz
8-Sep-18		10:30	77.7	3,960	8.10	440	3,277	11.00			0.5		Efrem
9-Sep-18		10:30	73.9	3,900	8.50	479	3,207	10.70			0.8		Efrem
10-Sep-18											0.8		Mahnaz
11-Sep-18		11:55	72.0	3,740	8.41	517	3,078	11.10	23.50		0.8		Mahnaz
12-Sep-18		10:00	74.2	3,760	8.40	512	3,090			0.41	0.8		Mahnaz
13-Sep-18		10:00	69.8	3,726	8.36	500	3,074				0.8		Mahnaz
14-Sep-18		9:30	68.6	3,670	8.30	546	3,025	10.80			0.8		Mahnaz
15-Sep-18													
16-Sep-18		10:30	74.9	3,330	8.00	452	2,700	10.00			1.0		Efrem
17-Sep-18		10:00	69.7	3,130	8.42	547	2,542		21.50		1.0		Mahnaz
18-Sep-18		10:45	72.7	2,950	8.00	551	2,374	9.00			0.8		Efrem
19-Sep-18		10:30	78.4	2,825	8.20	505	2,258				0.6		Mahnaz
20-Sep-18		10:30	71.0	2,754	8.45	433	2,206	10.00			0.5		Mahnaz
21-Sep-18		10:00	75.0	2,760	8.25	531	2,210				0.6		Mahnaz
22-Sep-18		10:00	78.1	2,832	8.37	511	2,252	10.20	21.20		0.6		Mahnaz
23-Sep-18													
24-Sep-18		10:00	70.4	2,850	8.40	428	2,310	11.50			0.5		Efrem
25-Sep-18													
26-Sep-18		12:05	74.1	2,781	8.11	423	2,226				0.5		Ricky
27-Sep-18													
28-Sep-18		9:30	71.5	2,700	8.12	489	2,162	10.50			0.8		Mahnaz
29-Sep-18		10:00	71.7	2,682	8.30	502	2,169		25.00	0.342	0.8		Mahnaz
30-Sep-18		10:00	72.4	2,680	8.30	518	2,166	11.10			0.8		Mahnaz
1-Oct-18		11:00	72.1	2,700	8.30	442	2,159				0.8		Mahnaz
2-Oct-18													
3-Oct-18		11:30	69.0	2,684	8.40	464	2,165	9.80			1.2		Efrem
4-Oct-18		11:30	67.8	2,971	8.50	327	2,114	10.20			0.4		Efrem
5-Oct-18		10:00	71.5	2,823	8.48	430	1,998		23	0.35	0.5	175	Mahnaz

23-Nov-18												
24-Nov-18												
25-Nov-18												
26-Nov-18	12:58		2,196	7.98	534	1,653				1.0		C. Robles
27-Nov-18	13:10		2,199	8.14	532	1,656				0.9		C. Robles
28-Nov-18	14:30		2,182	8.03	465	1,644				0.7		C. Robles
29-Nov-18												
30-Nov-18												
1-Dec-18												
2-Dec-18												
3-Dec-18												
4-Dec-18												
5-Dec-18												
6-Dec-18												
7-Dec-18												
8-Dec-18												
9-Dec-18												
10-Dec-18												
11-Dec-18												
12-Dec-18	12:15		2,244	8.01	23	1,693	9.10	8	0.46	0.0		C. Robles
13-Dec-18												
14-Dec-18	12:30		2,283	8.54	598	1,721	9.00			3.1		C. Robles
15-Dec-18												
16-Dec-18												
17-Dec-18												
18-Dec-18												
19-Dec-18												
20-Dec-18	12:15		2,311	8.52	409	1,750	8.30	24.25	0.51	0.5		C. Robles
21-Dec-18	14:00		2,297	8.44	427	1,740				0.2		C. Robles
22-Dec-18												
23-Dec-18												
24-Dec-18												
25-Dec-18												
26-Dec-18												
27-Dec-18												
28-Dec-18	12:35		2,349	8.62	316	1,778	8.10			0.2		C. Robles
29-Dec-18	13:05		2,328	8.63	301	1,768				0.2		C. Robles
30-Dec-18	13:15		2,343	8.62	294	1,777	7.70	20.20	0.54	0.0		C. Robles
31-Dec-18	13:15		2,352	8.64	402	1,781				0.4		C. Robles

0.72
2.34
0.22

Beta Cooling Tower Chemical Control Log Records

Date	Location	GE Trailer										444 Tank	Analyst	Comments/Notes	
	Description	Screen		Actual											Specific Cond.
		Time	Temp.	Specific Cond.	pH	ORP (Redox)	TDS	Phosphate (PO4)	Silica	Iron, Total	Chlorine (Free)				
		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-18		12:00	74.1	1,405	7.85	570	1,080	14.30			0.8		Mahnaz		
2-Jan-18		O/S											Robles		
3-Jan-18		O/S											Robles		
4-Jan-18		12:30	70.4	1,600	7.22	489	1,170	14.00			0.6		Robles		
5-Jan-18		14:30	72.5	1,650	7.67	528	1,200				0.8		Mahnaz		
6-Jan-18															
7-Jan-18		14:00	70.9	1,670	7.70	535	1,220	15.00			0.9		Mahnaz		
8-Jan-18															
9-Jan-18															
10-Jan-18		11:30	64.1	1,722	7.49	204	1,276	13.70	19.40	0.72	0.5		Robles		
11-Jan-18		O/S											Robles		
12-Jan-18		12:00	67.6	1,633	7.42	495	1,250	12.30			0.7		Robles		
13-Jan-18		11:30	68.2	1,682	7.09	488	1,287				0.6		Robles		
14-Jan-18		1430	72.6	1,645	8.00	553	1,300				0.6		Mahnaz		
15-Jan-18		1330	73.0	1,650	8.00	560	1,290	13.30			0.6		Mahnaz		
16-Jan-18		1540	72.3	1,720	7.80	533	1,367				0.8		Mahnaz		
17-Jan-18		1230	68.5	1,920	7.90	590	1,380		22.00	0.77	0.7		Mahnaz		
18-Jan-18															
19-Jan-18		1230	64.1	1,730	8.25	501	1,235	11.90			0.5		Mahnaz		
20-Jan-18															
21-Jan-18															
22-Jan-18		1200	63.3	1,732	8.25	485	1,230	10.60			0.3		Mahnaz		
23-Jan-18		1200	64.6	1,756	8.25	480	1,240				0.5		Mahnaz		
24-Jan-18		0:00	65.0	1,850	8.20	490	1,293	10.50			0.5		Mahnaz		
25-Jan-18		14:00	67.0	1,905	8.25	485	1,306				0.5		Mahnaz		
26-Jan-18		13:00	65.9	1,730	7.61	438	1,350				0.5		Robles		
27-Jan-18		11:30	65.6	1,782	7.68	440	1,396	9.70	19.90	0.86	0.6		Robles		
28-Jan-18		11:30	62.7	1,790	7.62	490	1,402				0.6		Robles		
29-Jan-18		13:00	67.4	1,831	8.41	450	1,432				0.5		Robles		
30-Jan-18		1430	72.7	1,860	8.45	471	1,452	10.10			0.5		Mahnaz		
31-Jan-18		13:30	75.9	1,905	8.45	488	1,481		22.50	0.95	0.5		Mahnaz		
1-Feb-18		14:45	76.6	1,954	8.52	438	1,521				0.5		Mahnaz		
2-Feb-18		11:30	61.9	1,996	8.51	479	1,559	10.10	23.15	0.88	0.5		Robles		
3-Feb-18		12:00	67.4	2,083	8.52	459	1,627				0.5		Robles		
4-Feb-18		12:30	73.2	2,150	8.56	437	1,679				0.5		Robles		
5-Feb-18		11:30	64.5	2,124	8.53	472	1,668	10.10			0.5		Robles		
6-Feb-18		12:00	63.9	2,078	8.53	470	1,631				0.5		Robles		
7-Feb-18		12:30	75.5	2,086	8.58	489	1,641	10.60	21.00		0.5		Mahnaz		

8-Feb-18		11:00	75.8	2,095	8.60	493	1,630				0.5		Mahnaz
9-Feb-18		10:30	62.8	2,074	8.40	481	1,643			0.98	0.5		Mahnaz
10-Feb-18													
11-Feb-18		12:00	66.9	2,191	8.42	513	1,730	9.80	23.65	0.85	0.5		Robles
12-Feb-18		11:30	65.4	2,243	8.34	487	1,776				0.5		Robles
13-Feb-18		12:30	63.9	2,256	8.34	476	1,792	10.00			0.5		Robles
14-Feb-18		O/S											Robles
15-Feb-18		11:30	66.2	2,304	8.58	485	1,835				0.6		Mahnaz
16-Feb-18		11:30	67.1	2407	8.6	480	1887	13.5			0.6		Mahnaz
17-Feb-18		11:30	67.3	2317	8.55	493	1843				0.6		Mahnaz
18-Feb-18		11:30	67.7	2,305	8.53	495	1,838				0.6		Mahnaz
19-Feb-18		O/S											Robles
20-Feb-18		11:30	62.4	2,434	8.29	458	1,958	11.70	26.05	0.95	0.5		Robles
21-Feb-18		11:30	62.5	2,387	8.30	476	1,910				0.5		Robles
22-Feb-18													Robles
23-Feb-18								25.50					
24-Feb-18													
25-Feb-18										0.71			
26-Feb-18													
27-Feb-18		12:30	64.4	2,681	8.38	513	2,165				0.9		Robles
28-Feb-18		11:30	61.6	2,545	8.24	523	2,046	13.60	26.35	1.08	0.8		Robles
1-Mar-18		12:30	65.6	2,517	8.34	522	2,019				0.9		Robles
2-Mar-18		O/S											Mahnaz
3-Mar-18		O/S											Mahnaz
4-Mar-18		11:30	66.6	2,620	8.38	438	2,109	14.00	12.80		0.5		Mahnaz
5-Mar-18		11:30	68.3	2,820	8.14	526	2,276			0.52	0.7		Mahnaz
6-Mar-18		13:00	70.9	2,813	8.14	530	2,275	15.10			0.7		Mahnaz
7-Mar-18													
8-Mar-18		12:30	67.0	2,845	8.60	512	2,219	13.60	30.80	1.03	1.0		Robles
9-Mar-18		12:30	71.0	2,874	8.41	501	2,239				0.7		Robles
10-Mar-18		O/S											Robles
11-Mar-18													
12-Mar-18		11:15	67.2	2,713	8.50	251	2,165	13.20			0.0		Mahnaz
13-Mar-18		13:30	72.7	2,650	8.45	470	2,093		26.00		0.6		Mahnaz
14-Mar-18													
15-Mar-18		12:30	63.4	2,757	8.33	538	2,155	10.40	26.85	0.88	1.2		Robles
16-Mar-18		12:30	68.7	2,684	8.36	511	2,109				0.7		Robles
17-Mar-18		12:30	67.6	2,507	8.27	487	1,958	9.20			0.5		Robles
18-Mar-18		12:30	66.2	2,599	8.22	522	2,038				0.9		Robles
19-Mar-18		14:30	64.3	2,610	8.30	498	1,983				0.6		Mahnaz
20-Mar-18		O/S											Mahnaz
21-Mar-18		O/S											Mahnaz
22-Mar-18		O/S											Mahnaz
23-Mar-18		11:30	67.1	2,590	8.42	486	2,062	10.10	29.15	0.83	0.5		Robles
24-Mar-18		11:30	69.7	2,682	8.39	452	2,137				0.5		Robles
25-Mar-18		11:30	68.9	2,657	8.40	481	2,119	9.40			0.6		Robles
26-Mar-18		11:30	63.0	2,447	8.30	508	1,943				0.7		Robles
27-Mar-18		12:00	65.3	2,400	8.10	555	1,930	10.10	26.00		0.7		Mahnaz

28-Mar-18		13:00	69.4	2,405	8.10	563	1,942			0.62	0.8		Mahnaz
29-Mar-18		11:30	64.1	2,418	8.10	542	1,930				0.5		Mahnaz
30-Mar-18		11:30	70.1	2,804	8.48	461	2,228				0.5		Robles
31-Mar-18		11:30	71.5	2,574	8.38	468	2,053	10.30	28.15	0.63	0.5		Robles
1-Apr-18		12:00	70.6	2,496	8.34	473	2,011				0.6		Robles
2-Apr-18		11:30	69.5	2,825	8.49	489	2,244				0.6		Robles
3-Apr-18		12:30	66.4	2,464	8.45	480	1,966	10.00			0.5		Robles
4-Apr-18													Mahnaz
5-Apr-18		11:30	70.7	2,550	8.05	508	2,052		23.00	0.57	0.6		Mahnaz
6-Apr-18		O/S											Mahnaz
7-Apr-18		11:30	73.0	2,588	8.32	518	2,075	10.40			0.7		Mahnaz
8-Apr-18		12:30	72.9	2,591	8.44	472	2,060				0.5		Robles
9-Apr-18		0.46	69.9	2,486	8.44	498	1,976	10.50	20.20	0.59	0.6		Robles
10-Apr-18		11:00	76.4	2,396	8.45	509	1,890				0.6		Robles
11-Apr-18		11:00	72.7	2,415	8.45	472	1,914	10.10			0.5		Robles
12-Apr-18		O/S											Mahnaz
13-Apr-18		11:30	69.1	2,350	8.35	541	1,874	11.00	22.85		0.6		Mahnaz
14-Apr-18		11:30	67.8	2,345	8.33	531	1,875			0.50	0.6		Mahnaz
15-Apr-18		O/S											Mahnaz
16-Apr-18		O/S											Robles
17-Apr-18		O/S											Robles
18-Apr-18		11:00	65.2	2,304	8.44	468	1,828	9.20	20.10	0.51	0.5		Robles
19-Apr-18		O/S											Robles
20-Apr-18		10:30	64.4	2,360	8.42	442	1,890	9.50	24.05		0.5		Mahnaz
21-Apr-18		O/S											Mahnaz
22-Apr-18		O/S											Mahnaz
23-Apr-18		O/S											Mahnaz
24-Apr-18		11:00	73.0	2,560	8.48	446	2,073				0.5		Robles
25-Apr-18		12:00	69.9	2,534	8.43	519	2,054				0.6		Robles
26-Apr-18		13:30	76.8	2,575	8.48	474	2,078				0.5		Robles
27-Apr-18		11:00	71.2	2,500	8.50	410	2,000	10.50	25.55		0.5		Mahnaz
28-Apr-18		11:30	67.8	2,490	8.50	405	1,980				0.5		Mahnaz
29-Apr-18		11:30	65.9	2,480	8.50	413	1,985				0.5		Mahnaz
30-Apr-18		11:30	65.4	2,490	8.52	420	1,990	11.10		0.62	0.5		Mahnaz
1-May-18		O/S											Mahnaz
2-May-18		12:00	69.1	2,480	8.48	531	1,958				0.9		Robles
3-May-18		15:00	69.0	2,527	8.46	484	1,988	11.50	24.25	0.60	0.5		Robles
4-May-18		12:00	69.4	2,477	8.38	459	1,949				0.5		Robles
5-May-18		12:00	69.6	2,520	8.42	492	1,984				0.6		Robles
6-May-18		11:00	73.6	2,464	8.51	500	1,970				0.6		Mahnaz
7-May-18		11:00	74.1	2,470	8.50	510	1,963	10.40	24.85		0.6		Mahnaz
8-May-18		14:00	72.1	2,646	8.48	373	2,115			0.48	0.7		Mahnaz
9-May-18		10:30	71.2	2,518	8.50	487	2,012	10.90			0.4		Mahnaz
10-May-18		12:00	71.8	2,587	8.38	464	2,046	9.80	15.90	0.54	0.5		Robles
11-May-18		O/S											
12-May-18		12:00	68.6	2,416	8.45	478	1,901				0.6		Robles
13-May-18		12:00	68.1	2,429	8.40	486	1,906	9.00			0.6		Robles
14-May-18		10:30	70.6	2,430	8.50	516	1,907	9.40	22.90	0.97	0.8		Mahnaz

15-May-18		10:30	71.9	2,255	8.49	504	1,755				0.5	Ricky
16-May-18		11:00	70.6	2,315	8.50	510	1,770	9.10			0.5	Mahnaz
17-May-18		14:00	70.3	2,310	8.50	513	1,764				0.5	Mahnaz
18-May-18		10:00	66.2	2,379	8.50	513	1,904	10.30			0.6	Mahnaz
19-May-18												
20-May-18		11:30	70.6	2,215	8.10	380	1,725	9.20			0.4	Efrem
21-May-18		11:30	68.8	2,120	8.40	513	1,646	9.80			1.0	Efrem
22-May-18		10:30	67.0	2,084	8.42	527	1,618	8.20			0.6	Mahnaz
23-May-18		11:30	68.8	2,113	8.45	530	1,625		19.00		0.7	Mahnaz
24-May-18		10:30	67.6	2,237	8.42	484	1,750	9.60		0.32	0.5	Mahnaz
25-May-18												
26-May-18		12:00	69.8	2,288	8.43	474	1,787	8.20		0.33	0.6	Robles
27-May-18		12:00	74.6	2,241	8.44	463	1,741				0.5	Robles
28-May-18		12:00	77.9	2,212	8.43	456	1,712				0.5	Robles
29-May-18		11:30	73.8	2,145	8.42	462	1,657	9.00	20.10		0.5	Robles
30-May-18		10:30	72.3	2,130	8.43	492	1,678	9.10	17.00		0.7	Mahnaz
31-May-18		10:30	72.8	2,135	8.45	480	1,669			0.27	0.7	Mahnaz
1-Jun-18		10:30	64.4	2,240	8.47	534	1,784				0.7	Mahnaz
2-Jun-18		10:30	67.2	2,283	8.48	535	1,790	9.40			0.7	Mahnaz
3-Jun-18												
4-Jun-18		11:00	73.2	2,655	8.41	468	2,012	11.80		0.32	0.5	Robles
5-Jun-18		11:30	74.7	2,672	8.43	468	2,026				0.5	Robles
6-Jun-18		11:00	71.1	2,712	8.42	484	2,063	12.30	24.90		0.5	Robles
7-Jun-18		11:30	71.7	2,748	8.41	517	2,129				0.6	Robles
8-Jun-18		11:30	71.2	2,398	8.44	449	1,908	12.50			0.4	Aberrios
9-Jun-18		14:00	84.1	2,812	8.41	428	1,966				0.5	Aberrios
10-Jun-18		10:30	71.4	2,774	8.46	521	2,159				0.9	Robles
11-Jun-18		10:30	69.4	2,655	8.40	516	2,168	12.80	17.00	0.34	0.7	Robles
12-Jun-18		10:30	72.6	2,726	8.41	487	2,225				0.8	Robles
13-Jun-18		10:30	71.9	2,227	8.33	468	1,803	9.90			0.5	Robles
14-Jun-18		10:30	75.1	2,439	8.36	484	1,989				0.7	Robles
15-Jun-18		10:30	67.3	2,217	8.31	489	1,798	9.90			0.8	Robles
16-Jun-18		10:30	71.5	2,228	8.34	465	1,799				0.7	Robles
17-Jun-18												
18-Jun-18		13:05	71.5	2,504	8.04	521	2,005				0.7	Ricky
19-Jun-18		11:00	72.3	2,412	8.37	479	1,806	10.40	20.75	0.31	0.7	Robles
20-Jun-18		11:00	73.8	2,541	8.37	472	1,911				0.6	Aberrios/Robles
21-Jun-18		11:30	76.0	2,615	8.42	469	1,972	12.30			0.5	Robles
22-Jun-18		11:30	74.4	2,538	8.34	455	1,908				0.4	Robles
23-Jun-18		11:30	75.1	2,687	8.41	456	2,034	11.90			0.5	Robles
24-Jun-18												
25-Jun-18		12:25	75.8	2,696	8.51	459	2,173	11.00			0.6	Ricky
26-Jun-18		10:20	71.9	2,692	7.95	559	2,168				0.9	Ricky
27-Jun-18		11:30	76.0	3,055	8.42	448	2,305				0.5	Robles
28-Jun-18		12:00	76.4	3,196	8.45	472	2,425	12.30			0.6	Robles
29-Jun-18		12:00	74.3	2,880	8.50	481	2,311	11.10			0.6	Efrem
30-Jun-18												
1-Jul-18		10:00	65.6	2,790	8.55	509	2,245	11.60			0.8	Mahnaz

2-Jul-18		9:00	72.4	2,795	8.57	511	2,256				0.8		Mahnaz
3-Jul-18		9:00	70.8	2,664	8.55	519	2,211				0.8		Mahnaz
4-Jul-18		9:00	69.3	2,851	8.53	529	2,290				0.7		Mahnaz
5-Jul-18		11:30	73.8	3,103	8.46	482	2,364				0.6		Robles
6-Jul-18		11:30	74.5	3,032	8.42	442	2,295	12.20	25.85	0.32	0.5		Robles
7-Jul-18		11:30	78.7	2,934	8.37	489	2,184				0.7		Robles
8-Jul-18		11:30	78.8	3,045	8.46	462	2,296	12.60			0.6		Robles
9-Jul-18													
10-Jul-18		0:46	75.8	2,681	8.56	551	2,150	12.50			1.0		Mahnaz
11-Jul-18		11:15	79.1	2,690	8.57	513	2,094		24.70		0.8		Mahnaz
12-Jul-18		14:30	82.0	2,654	8.55	524	2,076			0.29	0.7		Mahnaz
13-Jul-18													
14-Jul-18													
15-Jul-18													
16-Jul-18		11:00	80.3	2,845	8.50	341	2,245	9.40			0.5		Efrem
17-Jul-18		11:00	78.3	2,780	8.61	447	2,210				0.6		Mahnaz
18-Jul-18		15:00	85.7	2,765	8.60	435	2,215	11.10	28.00	0.32	0.6		Mahnaz
19-Jul-18		11:00	81.5	2,786	8.63	419	2,212				0.6		Mahnaz
20-Jul-18													
21-Jul-18		11:30	81.0	2,810	8.50	416	2,232	10.50			0.4		Efrem
22-Jul-18		11:30	81.7	2,917	8.40	371	2,324	8.50			0.4		Efrem
23-Jul-18		11:30	82.0	2,990	8.40	384	2,360	8.30	28.50		0.5		Efrem
24-Jul-18		11:30	78.4	2,986	8.50	401	2,400	9.60			0.5		Efrem
25-Jul-18		10:45	77.7	3,227	8.61	401	2,607	9.20			0.5		Ricky
26-Jul-18		13:00	79.2	3,462	8.47	393	2,786	9.10	15.30		0.8		Mahnaz
27-Jul-18		11:30	75.6	3,423	8.45	415	2,750		30.75		1.0		Mahnaz
28-Jul-18		12:00	71.9	3,290	8.60	511	2,665	9.70		0.28	0.7		Mahnaz
29-Jul-18		11:00	71.5	3,390	8.10	314	2,750	8.40			0.2		Efrem
30-Jul-18													
31-Jul-18													
1-Aug-18		11:15	76.8	3,484	8.33	418	2,833	8.90			0.5		Efrem
2-Aug-18		11:30	72.3	3,400	8.38	510	2,775				0.9		Mahnaz
3-Aug-18		10:00	72.5	3,350	8.35	515	2,760				0.9		Mahnaz
4-Aug-18		9:30	73.4	3,005	8.59	499	2,422	8.60	26.75		0.9		Mahnaz
5-Aug-18		9:30	71.2	2,930	8.55	483	2,391			0.290	0.9		Mahnaz
6-Aug-18		11:30	73.4	3,534	8.20	480	2,975	11.10			0.8		Efrem
7-Aug-18		9:30	64.7	3,560	8.40	504	2,917	9.80			1.2		Mahnaz
8-Aug-18													
9-Aug-18		11:30	73.3	3,791	8.10	444	3,120	10.40			0.2		Efrem
10-Aug-18		13:00	73.4	3,690	8.40	484	3,015				0.8		Mahnaz
11-Aug-18		10:00	70.9	3,585	8.40	442	2,927	10.30	27.00	0.25	0.6		Mahnaz
12-Aug-18		11:30	70.5	3,563	8.38	451	2,880				0.6		Mahnaz
13-Aug-18		11:30	74.3	3,715	8.40	506	3,037	11.90			0.6		Mahnaz
14-Aug-18		11:00	71.1	3,576	8.35	520	2,925				0.6		Mahnaz
15-Aug-18		11:30	74.6	3,768	8.10	420	3,080	12.00			0.5		Efrem
16-Aug-18		11:30	76.7	3,704	8.00	323	3,025	10.50			0.6		Efrem
17-Aug-18		11:30	75.5	3,660	8.49	449	2,980				0.6		Mahnaz
18-Aug-18		11:30	70.8	3,630	8.33	520	2,971	10.90	28.00	0.32	0.5		Mahnaz

19-Aug-18		11:30	73.2	3,600	8.30	525	2,960				0.5		Mahnaz
20-Aug-18		11:00	71.6	3,579	8.36	538	2,918	10.30			1.0		Mahnaz
21-Aug-18		11:00	72.0	3,650	8.35	532	2,980				1.0		Mahnaz
22-Aug-18													
23-Aug-18		11:00	73.9	3,777	8.45	538	3,091	10.30	28.50		1.0		Mahnaz
24-Aug-18		10:00	71.4	3,595	8.25	564	2,940				0.9		Mahnaz
25-Aug-18		11:30	68.9	3,215	8.00	562	2,500	9.00			1.0		Efrem
26-Aug-18		11:00	71.8	3,166	8.33	546	2,549				0.9		Mahnaz
27-Aug-18		10:30	74.3	3,310	8.30	535	2,677	10.80	30.75		0.8		Mahnaz
28-Aug-18		11:30	71.4	3,275	8.28	548	2,581				0.8		Mahnaz
29-Aug-18		11:00	70.6	3,055	8.25	441	2,469	9.70		0.43	0.7		Mahnaz
30-Aug-18		10:30	69.2	3,160	8.44	439	2,560				0.7		Mahnaz
31-Aug-18		11:00	71.2	3,138	8.00	498	2,545	10.00			0.6		Efrem
1-Sep-18													
2-Sep-18													
3-Sep-18		11:00	74.6	2,729	8.00	527	2,168	9.80			0.7		Mahnaz
4-Sep-18		10:30	74.6	2,790	8.00	515	2,175				0.7		Mahnaz
5-Sep-18		10:30	72.4	2,886	8.23	487	2,318		27.00	0.390	0.7		Mahnaz
6-Sep-18		13:00	74.3	2,811	8.25	503	2,185				0.6		Mahnaz
7-Sep-18		11:00	71.8	3,211	8.48	394	2,600	11.40			0.5		Mahnaz
8-Sep-18		11:30	73.8	3,292	8.40	257	2,663	11.00			0.5		Efrem
9-Sep-18		11:30	72.7	3,400	8.20	450	2,770	11.10			0.6		Efrem
10-Sep-18													
11-Sep-18		13:30	72.1	3,635	8.40	516	2,970	11.30	26.75		0.6		Mahnaz
12-Sep-18		11:30	72.4	3,735	8.39	511	3,060			0.32	0.6		Mahnaz
13-Sep-18		11:30	67.2	3,750	8.40	528	3,063				0.7		Mahnaz
14-Sep-18		10:30	66.9	4,832	8.50	546	4,086	12.80			0.6		Mahnaz
15-Sep-18													
16-Sep-18		11:30	70.2	3,892	8.00	518	3,215	10.00			1.0		Efrem
17-Sep-18		9:30	66.3	3,975	8.36	557	3,298		26.00		1.0		Mahnaz
18-Sep-18		11:45	63.7	3,960	8.30	555	3,296	9.00			1.0		Efrem
19-Sep-18		10:00	69.0	4,106	8.35	524	3,408				0.7		Mahnaz
20-Sep-18		13:00	68.6	4,282	8.50	418	3,577	9.30			0.6		Mahnaz
21-Sep-18		11:15	70.0	4,700	8.50	519	3,953				0.5		Mahnaz
22-Sep-18		11:30	72.6	4,300	8.57	515	3,579	10.90	25.50		0.6		Mahnaz
23-Sep-18													
24-Sep-18		11:00	70.0	4,060	8.00	500	3,360	11.00			1.0		Efrem
25-Sep-18													
26-Sep-18		1240	73.5	3,559	8.18	451	2,884				0.6		Ricky
27-Sep-18													
28-Sep-18		11:00	70.8	3,030	8.30	492	2,445	9.10			0.9		Mahnaz
29-Sep-18		11:00	72.2	3,060	8.40	467	2,477		24.00	0.119	0.9		Mahnaz
30-Sep-18		11:00	67.3	3,050	8.35	511	2,470	10.00			0.8		Mahnaz
1-Oct-18		9:30	71.5	3,099	8.51	489	2,497				0.8		Mahnaz
2-Oct-18													
3-Oct-18		11:30	69.0	2,684	8.40	464	2,165	9.80			1.2		Efrem
4-Oct-18		11:30	67.8	2,971	8.50	327	2,114	10.10			0.4		Efrem
5-Oct-18		10:00	67.9	2,965	8.50	405	2,111		23.50	0.18	0.6		Mahnaz

6-Oct-18		12:30	71.0	3,240	8.53	452	2,300	10.30			0.6	250	Mahnaz
7-Oct-18		11:00	63.9	3,310	8.53	524	2,361				0.6	240	Mahnaz
8-Oct-18		10:00	69.3	3,280	8.52	490	2,556	11.50			0.6	245	Mahnaz
9-Oct-18		11:00	65.3	3,600	8.50	507	2,575	11.10			1.0		Efrem
10-Oct-18													
11-Oct-18		11:00	66.0	3,818	8.50	412	2,730	11.50			1.0		Efrem
12-Oct-18		12:30	72.8	3,900	8.70	442	2,797	12.00			1.0	620	Mahnaz
13-Oct-18		14:00	70.2	3,920	8.70	445	2,780		22.00	0.24	0.8	519	Mahnaz
14-Oct-18		11:30	70.5	4,040	8.72	443	2,900	12.00			0.6	425	Mahnaz
15-Oct-18		11:30	69.7	4,069	8.68	527	2,443				0.8	339	Mahnaz
16-Oct-18		10:00	67.3	3,945	8.69	525	2,840	12.50			0.8	339	Mahnaz
17-Oct-18									24.00	0.22			
18-Oct-18		13:00	69.7	3,690	8.68	438	2,639	11.60			0.6	290	Mahnaz
19-Oct-18													
20-Oct-18		11:00	66.5	3,460	8.30	475	2,249	10.80			1.0		Efrem
21-Oct-18		10:00	68.9	3,620	8.67	500	2,590				1.0	627	Mahnaz
22-Oct-18		10:30	69.3	3,670	8.67	495	2,630	11.50			0.8	523	Mahnaz
23-Oct-18		12:00	69.9	3,840	8.67	441	2,756				0.7	490	Mahnaz
24-Oct-18		10:00	70.8	4,003	8.76	339	2,878	11.40			0.5	430	Mahnaz
25-Oct-18		9:30	67.2	3,919	8.70	375	2,827				0.5	351	Mahnaz
26-Oct-18													
27-Oct-18		11:00	66.3	3,888	8.70	380	2,808	12.70			0.8		Efrem
28-Oct-18		11:00	69.8	3,788	8.70	461	2,718	11.20			1.0		Efrem
29-Oct-18		10:00	67.0	3,840	8.63	420	2,768		27.00	0.24	0.7	880	Mahnaz
30-Oct-18		10:00	66.8	4,353	8.66	406	3,176	13.00			0.7	660	Mahnaz
31-Oct-18		11:00	69.6	4,524	8.70	392	3,304				0.6	530	Mahnaz
1-Nov-18		12:00	69.6	4,330	8.70	320	3,145	12.50			0.4	407	Mahnaz
2-Nov-18		10:40	65.0	3,913	8.40	432	3,088	11.30			0.7	488	C. Robles
3-Nov-18													
4-Nov-18		13:00	66.6	3,361	8.50	448	2,605	9.60			0.5	409	C. Robles
5-Nov-18		10:50	68.7	3,112	8.36	458	2,392		22.60	0.18	0.7	379	C. Robles
6-Nov-18		11:00	67.6	3,130	8.50	433	2,212	8.90			0.5	330	Mahnaz
7-Nov-18		11:00	71.4	3,115	8.51	442	2,116		21.80		0.5	290	Mahnaz
8-Nov-18		13:30	72.9	3,218	8.60	410	2,278				0.5	270	Mahnaz
9-Nov-18		10:47	60.9	2,638	8.04	504	2,031	9.20			0.8	248	C. Robles
10-Nov-18		10:40	62.2	2,454	8.22	495	1,886				0.8	253	C. Robles
11-Nov-18		11:01	65.4	2,325	8.21	492	1,762	9.20	16.75	0.22	0.8	245	C. Robles
12-Nov-18		11:04	67.1	2,297	8.41	515	1,745				1.0	231	C. Robles
13-Nov-18		11:30	66.6	2,395	8.19	514	1,823	10.70			0.9	202	C. Robles
14-Nov-18		11:00	66.0	2,514	8.50	509	1,763	12.20	16.10		1.0	207	Mahnaz
15-Nov-18		11:00	69.7	2,460	8.45	477	1,720				0.8	190	Mahnaz
16-Nov-18		10:00	67.5	2,350	8.52	430	1,634	13.20			0.8	180	Mahnaz
17-Nov-18		11:00	58.3	2,290	8.40	530	1,606				0.8	170	Mahnaz
18-Nov-18		12:00	65.2	2,057	8.05	448	1,539				0.5	154	C. Robles
19-Nov-18													
20-Nov-18		12:00	65.8	2,120	8.04	492	1,593	12.80	20.25	0.34	0.7	148	C. Robles
21-Nov-18		12:15	64.4	2,103	7.79	498	1,581				0.7	145	C. Robles
22-Nov-18		11:00	66.8	2,250	8.33	468	1,560	13.10		0.30	0.8	150	Mahnaz

23-Nov-18		11:00	68.7	2,311	8.45	396	1,607				0.5	150	Mahnaz		
24-Nov-18		11:00	71.2	2,336	8.46	413	1,625	13.30			0.5	151	Mahnaz		
25-Nov-18		14:30	68.5	2,357	8.46	430	1,637				0.6	156	Mahnaz		
26-Nov-18		12:00	65.3	2,146	8.00	472	1,624	11.90	18.55	0.37	0.6	137	C. Robles		
27-Nov-18		12:30	64.4	2,175	7.80	484	1,639				0.7	137	C. Robles		
28-Nov-18		12:37	69.8	2,226	7.96	498	1,677	11.80			0.7	141	C. Robles		
29-Nov-18															
30-Nov-18		11:00	68.2	2,340	8.10	462	1,632				0.6	143	Mahnaz		
1-Dec-18		11:00	64.9	2,290	8.20	390	1,595	11.10	14.50		0.5	145	Mahnaz		
2-Dec-18		11:00	66.4	2,305	8.22	411	1,617			0.38	0.6	137	Mahnaz		
3-Dec-18		13:00	64.4	2,334	8.10	487	1,628	11.80			0.6	134	Mahnaz		
4-Dec-18															
5-Dec-18															
6-Dec-18															
7-Dec-18															
8-Dec-18		13:00	74.1	2,321	8.31	315	1,609				0.5	135	Mahnaz		
9-Dec-18															
10-Dec-18															
11-Dec-18		11:00	67.6	2,550	8.50	477	1,788	12.10			0.5	134	Mahnaz		
12-Dec-18															
13-Dec-18		11:15	64.3	2,244	8.01	23	1,693	9.20	9.80	0.68	0.5	122	C. Robles		
14-Dec-18															
15-Dec-18		12:00	62.6	2,088	8.40	519	1,570	9.30			1.0	122	C. Robles		
16-Dec-18		11:00	71.9	2,318	8.30	489	1,602				0.6	132	Mahnaz		
17-Dec-18		11:00	66.0	2,480	8.35	553	1,732	12.40	17.25		0.6	135	Mahnaz		
18-Dec-18		13:00	67.4	2,501	8.35	549	1,753				0.7	132	Mahnaz		
19-Dec-18		14:00	69.8	2,515	8.36	532	1,761	13.10			0.7	135	Mahnaz		
20-Dec-18		13:00	63.9	2,926	8.60	498	2,251	13.90	24.15	1.24	0.9	119	C. Robles		
21-Dec-18		13:30	64.9	2,559	8.56	509	1,955				0.9	121	C. Robles		
22-Dec-18															
23-Dec-18															
24-Dec-18		13:00	66.0	2,530	8.35	652	1,837	14.00			1.4	130	Mahnaz		
25-Dec-18		11:00	68.0	2,541	8.33	603	1,854				1.0	132	Mahnaz		
26-Dec-18		13:30	64.9	2,580	8.45	602	1,982	15.30			1.0	131	Mahnaz		
27-Dec-18		12:30	64.2	2,585	8.50	577	1,981		17.50	0.90	1.0	132	Mahnaz		
28-Dec-18		12:00	61.3	2,643	8.69	525	2,034	11.10			1.0	135	C. Robles		
29-Dec-18		12:25	67.3	2,719	8.64	491	2,091				O/R	0.5	140	C. Robles	Iron +++
30-Dec-18		12:30	69.4	2,426	8.63	440	1,843	8.90	19.60		O/R	0.5	145	C. Robles	Iron +++
31-Dec-18		14:20	62.6	2,330	8.63	475	1,768				0.6	153	C. Robles		

0.53
1.24
0.12