

**DOCKETED**

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<b>Project Title:</b>	Genesis Solar Energy Project
<b>TN #:</b>	255341
<b>Document Title:</b>	2023 Annual Compliance Report
<b>Description:</b>	N/A
<b>Filer:</b>	Cynthia Keller
<b>Organization:</b>	NexteraEnergy Resources
<b>Submitter Role:</b>	Applicant
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March 28, 2024

Anwar Ali, Compliance Project Manager  
California Energy Commission  
15169<sup>th</sup> Street  
Sacramento, CA 95814

**RE: Genesis Solar Energy Center DOCKET NUMBER 09-AFC-8  
Annual Compliance Report for Reporting Year 2023**

Dear Mr. Ali,

Pursuant to condition Compliance-7 of the Commission Decision for the Genesis Solar Energy Project, enclosed please find the Annual Compliance Report for the reporting year 2023.

Please call me if you have any questions at (928) 302-0402.

Sincerely,

*Cynthia Keller*

Cynthia Keller  
Sr. PGD Environmental Specialist

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Genesis Solar, LLC

11995 Wiley's Well Rd., Blythe, CA 92225 • PO Box 2370 Blythe, CA 92226

## GENESIS SOLAR ENERGY CENTER

# California Energy Commission Docket #09-AFC-8 Annual Report for Reporting Year 2023

### Current Operating Status and Significant Changes to Facility Operations

The Genesis Solar, LLC facility experienced no operational outages or interruptions in service or any significant operational changes during the reporting year.

### **Modifications and Testing**

During the stated period, the plant completed required testing for emissions compliance. All results were submitted to the MDAQMD and the California Energy Commission Compliance Manager.

### **Environmental Health and Safety**

Genesis Solar, LLC was injury free in 2023. There were 90,603 total man hours worked in 2023.

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# Section 1

## AQ-3 Aux Boilers Emissions Testing

Emissions from this equipment shall not exceed the following hourly emission limits at any firing rate, verified by fuel use and annual compliance tests:

- a. NO<sub>x</sub> as NO<sub>2</sub>: 0.330 lb/hr operating at 100% load (based on 9.0 ppmvd corrected to 3% O<sub>2</sub> and averaged over one hour)
- b. CO: 0.563 lb/hr operating at 100% load (based on 50 ppmvd corrected to 3% O<sub>2</sub> and averaged over one hour)
- c. VOC as CH<sub>4</sub>: 0.088 lb/hr operating at 100% load
- d. SO<sub>x</sub> as SO<sub>2</sub>: 0.008 lb/hr operating at 100% load
- e. PM<sub>10</sub>: 0.150 lb/hr operating at 100% load

**Verification:** Submit emissions compliance documentation in annual compliance report.

Summaries of the Auxiliary Boilers emissions test results are presented below:

**TABLE 1-1  
RESULTS SUMMARY  
GENESIS SOLAR, LLC  
AUXILIARY BOILER NO. 1  
MARCH 28, 2023**

Parameter/Units	Aux Boiler No. 1	Limit
<b>NO<sub>x</sub></b>		
lb/hr	0.126	0.330
ppm @ 3% O <sub>2</sub>	4.81	(9) <sup>(1)</sup>
<b>CO</b>		
lb/hr	0.0 <sup>(2)</sup>	0.563
ppm @ 3% O <sub>2</sub>	0.0 <sup>(2)</sup>	(50) <sup>(1)</sup>
<b>SO<sub>x</sub>, lb/hr</b>	0.003	0.008
<b>VOC, lb/hr</b>	0.028	0.088
<b>Particulate Matter, lb/hr</b>	0.018	0.150
<b>Opacity, %</b>	0%	20%

(1) Basis of lb/hr limit

(2) Test result below limits of quantitation for test method

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**TABLE 1-1  
RESULTS SUMMARY  
GENESIS SOLAR, LLC  
AUXILIARY BOILER NO. 2  
MARCH 29, 2023**

Parameter/Units	Aux Boiler No. 2	Limit
<b>NO<sub>x</sub></b>		
lb/hr	0.116	0.330
ppm @ 3% O <sub>2</sub>	4.25	(9) <sup>(1)</sup>
<b>CO</b>		
lb/hr	0.0 <sup>(2)</sup>	0.563
ppm @ 3% O <sub>2</sub>	0.0 <sup>(2)</sup>	(50) <sup>(1)</sup>
<b>SO<sub>x</sub>, lb/hr</b>	0.003	0.008
<b>VOC, lb/hr</b>	0.048	0.088
<b>Particulate Matter, lb/hr</b>	0.018	0.150
<b>Opacity, %</b>	0%	20%

(1) Basis of lb/hr limit

(2) Test result below limits of quantitation for test method

## Section 2

### AQ-5 Aux Boilers Hours of Use

**Verification:** *The project owner shall submit to the CPM the boiler hours of use records demonstrating compliance with this condition as part of the Annual Operation Report.*

Daily operational hours for each Auxiliary Boiler are maintained at the facility. The table below summarizes the monthly hours for 2023.

Aux Boiler		U1	U2
Year	Month	Hours	Hours
2023	1	89.90	95.70
	2	18.68	19.52
	3	52.75	59.16
	4	0.00	0.00
	5	0.00	0.00
	6	0.00	0.00
	7	0.00	0.00
	8	0.14	4.68
	9	13.06	13.00
	10	0.00	0.00
	11	0.00	0.00
	12	24.89	22.91
<b>Totals</b>		<b>199.43</b>	<b>214.97</b>

## Section 3

### **AQ-10 HTF Ullage Vessels' Carbon Adsorption System**

*This system shall be operated at all times with the carbon adsorption system as follows:*

- a. The carbon adsorption system shall provide 98% control efficiency of VOC emissions vented from the HTF ullage system.*
- b. The project owner shall prepare and submit a monitoring and change-out plan for the carbon adsorptions system which ensures that the system is operating at optimal control efficiency at all times for District approval prior to start up.*
- c. This equipment shall be properly maintained and kept in good operating condition at all times.*
- d. This equipment must be in use and operating properly at all times the HTF ullage system is venting.*
- e. Total emissions of VOC to the atmosphere shall not exceed 1.5 lbs/day and 540 lbs/year calculated based on the most recent monitoring results.*
- f. During operation, the project owner shall monitor VOC measured at outlet from the carbon beds. Sampling is to be performed on a weekly basis. Samples shall be analyzed pursuant to U.S.EPA Test Method 25 – Gaseous Non-Methane Organic Emissions. Initial test shall be submitted to the District within 180 days after startup.*
- g. FID shall be considered invalid if not calibrated on the day of required use.*
- h. The project owner shall maintain current and on-site for the duration of the project a log of the weekly test results, which shall be provided to District personnel upon request, with date and time the monitoring was conducted.*
- i. 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 (as hexane).*

**Verification:** *The project owner shall submit information demonstrating compliance with the substantive and recordkeeping provisions of this condition in the Annual Compliance Report.*

The facility maintains a log of the carbon absorption system VOC monitoring test results on site. Annual Emissions Compliance Testing was performed in 2023 and the results are summarized below.

# 2023 Annual Compliance Report - Genesis Solar LLC

## Unit 1

**TABLE 4-1  
NORTH VENT VOC RESULTS  
GENESIS SOLAR  
UNIT 1 ULLAGE VENT  
MARCH 27, 2023**

Run	Total Non-Methane/ Ethane Hydrocarbons, ppm as Methane	Stack Flow, dscfm (average of Pre- & Post-)	Total Non-Methane/ Ethane Hydrocarbons, lb/hr as Methane	Hours/day	Total Non-Methane/ Ethane Hydrocarbons, lb/day as Methane
North - Run 1	2.3	1,368	0.008	24	0.19
North - Run 2	14.9	1,377	0.051	24	1.23
North - Run 3	18.0	1,372	0.062	24	1.48
<b>Average</b>	<b>11.7</b>	<b>1,372</b>	<b>0.040</b>	<b>24</b>	<b>0.96</b>
				Limit:	1.5

**TABLE 4-2  
SOUTH VENT VOC RESULTS  
GENESIS SOLAR  
UNIT 1 ULLAGE VENT  
MARCH 27, 2023**

Run	Total Non-Methane/ Ethane Hydrocarbons, ppm as Methane	Stack Flow, dscfm	Total Non-Methane/ Ethane Hydrocarbons, lb/hr as Methane	Hours/day	Total Non-Methane/ Ethane Hydrocarbons, lb/day as Methane
South - Run 1	<1.0	1,411	<0.004	24	<0.08
South - Run 2	10.9	1,447	0.039	24	0.94
South - Run 3	18.5	1,413	0.065	24	1.56
<b>Average</b>	<b>10.1</b>	<b>1,424</b>	<b>0.036</b>	<b>24</b>	<b>&lt;0.86</b>
				Limit:	1.5

2023 Annual Compliance Report - Genesis Solar LLC

**TABLE 4-3  
NORTH VENT BENZENE RESULTS  
GENESIS SOLAR  
UNIT 1 ULLAGE VENT  
MARCH 27, 2023**

Run	Lab Result or Sample Reporting Limit, ppbv	Stack Flow, dscfm	Benzene lbs/hr	Hours/day	Benzene, lb/day
North - Run 1	0.042	1,368	0.00070	24	0.0168
North - Run 2	0.019	1,377	0.00031	24	0.0075
North - Run 3	0.011	1,372	0.00018	24	0.0042
<b>Average</b>	<b>0.024</b>	<b>1,372</b>	<b>0.00040</b>	<b>24</b>	<b>0.0095</b>
				<b>Limit:</b>	<b>0.6</b>

**TABLE 4-4  
SOUTH VENT BENZENE RESULTS  
GENESIS SOLAR  
UNIT 1 ULLAGE VENT  
MARCH 27, 2023**

Run	Lab Result or Sample Reporting Limit, ppbv	Stack Flow, dscfm	Benzene lbs/hr	Hours/day	Benzene, lb/day
South - Run 1	0.013	1,411	0.00022	24	0.0052
South - Run 2	<0.010	1,447	<0.00018	24	<0.0042
South - Run 3	0.028	1,413	0.00048	24	0.0115
<b>Average</b>	<b>0.017</b>	<b>1,424</b>	<b>0.00029</b>	<b>24</b>	<b>0.0070</b>
				<b>Limit:</b>	<b>0.6</b>

# 2023 Annual Compliance Report - Genesis Solar LLC

## Unit 2

### 4.0 RESULTS

The results show that the unit was operating below permitted levels for all species where limits are given in the permit. The results of the tests are presented in the following tables.

**TABLE 4-1  
NORTH VENT VOC RESULTS  
GENESIS SOLAR, LLC  
UNIT 2 ULLAGE VENT  
MARCH 27, 2023**

Run	Total Non-Methane/ Ethane Hydrocarbons, ppm as Methane	Stack Flow, dscfm (average of Pre- & Post-)	Total Non-Methane/ Ethane Hydrocarbons, lb/hr as Methane	Hours/day	Total Non-Methane/ Ethane Hydrocarbons, lb/day as Methane
North - Run 1	<0.1	1,416	<0.0004	24	<0.01
North - Run 2	12.8	1,434	0.0458	24	1.10
North - Run 3	22.9	1,403	0.0801	24	1.92
<b>Average</b>	<b>&lt;11.9</b>	<b>1,417</b>	<b>0.042</b>	<b>24</b>	<b>&lt;1.01</b>
				<b>Limit:</b>	<b>1.5</b>

**TABLE 4-2  
SOUTH VENT VOC RESULTS  
GENESIS SOLAR, LLC  
UNIT 2 ULLAGE VENT  
MARCH 27, 2023**

Run	Total Non-Methane/ Ethane Hydrocarbons, ppm as Methane	Stack Flow, dscfm	Total Non-Methane/ Ethane Hydrocarbons, lb/hr as Methane	Hours/day	Total Non-Methane/ Ethane Hydrocarbons, lb/day as Methane
South - Run 1	1.6	1,412	0.006	24	0.14
South - Run 2	3.7	1,448	0.013	24	0.32
South - Run 3	15.4	1,413	0.054	24	1.30
<b>Average</b>	<b>6.9</b>	<b>1,424</b>	<b>0.024</b>	<b>24</b>	<b>0.59</b>
				<b>Limit:</b>	<b>1.5</b>

2023 Annual Compliance Report - Genesis Solar LLC

**TABLE 4-3  
NORTH VENT BENZENE RESULTS  
GENESIS SOLAR, LLC  
UNIT 2 ULLAGE VENT  
MARCH 27, 2023**

Run	Lab Result or Sample Reporting Limit, ppbvw	Stack Flow, dscfm	Benzene lbs/hr	Hours/day	Benzene, lb/day
North - Run 1	<0.00010	1,416	<0.0000017	24	<0.00004
North - Run 2	<0.00010	1,434	<0.0000017	24	<0.00004
North - Run 3	<0.00010	1,403	<0.0000017	24	>0.00004
<b>Average</b>	<b>&lt;0.00010</b>	<b>1,417</b>	<b>&lt;0.0000017</b>	<b>24</b>	<b>&lt;0.00004</b>
				<b>Limit:</b>	<b>0.6</b>

**TABLE 4-4  
SOUTH VENT BENZENE RESULTS  
GENESIS SOLAR, LLC  
UNIT 2 ULLAGE VENT  
MARCH 27, 2023**

Run	Lab Result or Sample Reporting Limit, ppbvw	Stack Flow, dscfm	Benzene lbs/hr	Hours/day	Benzene, lb/day
South - Run 1	0.00796	1,412	0.000137	24	0.00328
South - Run 2	0.00150	1,448	0.000026	24	0.00063
South - Run 3	<0.00010	1,413	<0.000002	24	<0.00004
<b>Average</b>	<b>&lt;0.00319</b>	<b>1,424</b>	<b>&lt;0.000055</b>	<b>24</b>	<b>&lt;0.00132</b>
				<b>Limit:</b>	<b>0.6</b>

## Section 4

### AQ-12 HTF Ullage/Expansion Tanks

*The project owner shall establish an inspection and maintenance program to determine repair, and log leaks in HTF piping network and expansion tanks. Inspection and maintenance program and documentation shall be available to District staff upon request.*

*a. All pumps, compressors and pressure relief devices (pressure relief valves or rupture disks) shall be electronically, audio, or visually inspected once every operating day.*

*b. All accessible valves, fittings, pressure relief devices (PRDs), hatches, pumps, compressors, etc. shall be inspected quarterly using a leak detection device such as a Foxboro OVA 108 calibrated for methane.*

*c. Inspection frequency for accessible components, except pumps, compressors and pressure relief valves, may be changed from quarterly to annual when two percent or less of the components within a component type are found to leak during an inspection for five consecutive quarters.*

*d. Inspection frequency for accessible components, except pumps, compressors and pressure relief valves, shall be increased to quarterly when more than two percent of the components within a component type are found to leak during any inspection or report.*

*e. If any evidence of a potential leak is found the indication of the potential leak shall be eliminated within 7 calendar days of detection.*

*f. VOC leaks greater than 10,000-ppmv shall be repaired within 24-hours of detection.*

*g. After a repair, the component shall be re-inspected for leaks as soon as practicable, but no later than 30 days after the date on which the component is repaired and placed in service.*

*h. The project owner shall maintain a log of all VOC leaks exceeding 10,000-ppmv, including location, component type, date of leak detection, emission level (ppmv), method of leak detection, date of and repair, date and emission level of re-inspection after leak is repaired.*

*i. The project owner shall maintain records of the total number of components inspected, and the total number and percentage of leaking components found, by component types made.*

*j. The project owner shall maintain record of the amount of HTF replaced on a monthly basis for a period of 5 years.*

*Verification: The inspection, monitoring, and maintenance plan for the vent release shall be submitted to the CPM for review 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.*

During 2023 no used HTF was removed from the system. This year there was 100,000 gallons of HTF added to the system. Note that HTF recovered from minor leaks and spills is not included in this reporting.

## Section 5

### **AQ-15 HTF Ullage/Expansion Tanks**

*The project owner shall perform the following annual compliance tests on this equipment in accordance with the MDAQMD Compliance Test Procedural Manual. The test report shall be submitted to the District no later than six weeks prior to the expiration date of this permit.*

*Verification: Verification: 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-16 HTF Ullage/Expansion Tanks**

*Emissions from this equipment may not exceed the following emission limits, based on a calendar day summary:*

- a. VOC as CH4 – 1.5 lb/day, verified by compliance test.*
- b. Benzene – 0.6 lb/day, verified by compliance test.*

**Verification:** *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.*

### **UNIT 1 ULLAGE VENT TEST RESULTS:**

**TABLE 1-1  
RESULTS SUMMARY  
GENESIS SOLAR, LLC  
UNIT 1 ULLAGE VENT  
MARCH 27, 2023**

<b>Parameter/Units</b>	<b>North Vent</b>	<b>South Vent</b>	<b>Limit</b>
Total Non-Methane/Ethane Hydrocarbons, lb/day as Methane	0.96	<0.86	1.5
Benzene, lb/day	<0.0095	0.0070	0.6

**UNIT 2 ULLAGE VENT TEST RESULTS:**

**TABLE 1-1  
RESULTS SUMMARY  
GENESIS SOLAR, LLC  
UNIT 2 ULLAGE VENT  
MARCH 27, 2023**

<b>Parameter/Units</b>	<b>North Vent</b>	<b>South Vent</b>	<b>Limit</b>
Total Non-Methane/Ethane Hydrocarbons, lb/day as Methane	1.01	0.59	1.5
Benzene, lb/day	<0.00004	0.00132	0.6

## Section 6

### AQ-20 Cooling Towers

*The drift rate shall not exceed 0.0005 percent with a maximum circulation rate of 3450 gallons per minute. The maximum hourly PM10 emission rate shall not exceed 0.043 pounds per hour, as calculated per the written District approved protocol.*

2023  
PM10 data for each unit

# 2023 Annual Compliance Report - Genesis Solar LLC

## Genesis Solar PM10 Data Unit 1

Date	Cooling Tower TDS (ppmw)	Cooling Tower Flow (gpm)	Cooling Tower Flow Rate (klbm/hr)	Cooling Tower PM10 (lbm/hr)	Cooling Tower RUNTIME Hrs/wk	PM10 lbs/wk	Million Gals per week
12/31/22	464	2696	1349	0.003	168.000	0.526139	27
01/07/23	365	2698	1350	0.002	168.000	0.414203	27
01/14/23	349	2701	1352	0.002	168.000	0.396671	27
01/21/23	342	2703	1352	0.002	168.000	0.388489	27
01/28/23	172	2641	1322	0.001	168.000	0.190735	27
02/04/23	434	2642	1322	0.003	168.000	0.482292	27
02/11/23	538	2638	1320	0.004	168.000	0.59679	27
02/18/23	534	2645	1323	0.004	168.000	0.59354	27
02/25/23	529	2664	1333	0.004	168.000	0.592122	27
03/04/23	470	2667	1335	0.003	168.000	0.526794	27
03/11/23	446	2657	1330	0.003	168.000	0.49773	27
03/18/23	399	2653	1328	0.003	168.000	0.445305	27
03/25/23	421	2657	1330	0.003	168.000	0.469783	27
04/01/23	502	2648	1325	0.003	168.000	0.558867	27
04/08/23	502	2634	1318	0.003	168.000	0.555784	27
04/15/23	485	2523	1262	0.003	168.000	0.513837	25
04/22/23	478	2525	1263	0.003	168.000	0.507389	25
04/29/23	460	2519	1260	0.003	168.000	0.486967	25
05/06/23	427	2509	1256	0.003	168.000	0.450634	25
05/13/23	503	2518	1260	0.003	168.000	0.532778	25
05/20/23	478	2505	1253	0.003	168.000	0.502734	25
05/27/23	510	2505	1253	0.003	168.000	0.53656	25
06/03/23	520	2525	1263	0.003	168.000	0.552404	25
06/10/23	536	2532	1267	0.003	168.000	0.570004	26
06/17/23	539	2537	1270	0.003	168.000	0.574676	26
06/24/23	544	2521	1261	0.003	168.000	0.576096	25
07/01/23	542	2495	1248	0.003	168.000	0.568167	25
07/08/23	542	2492	1247	0.003	168.000	0.568279	25
07/15/23	541	2495	1248	0.003	168.000	0.567296	25
07/22/23	541	2492	1247	0.003	168.000	0.566311	25
07/29/23	438	2490	1246	0.003	168.000	0.458508	25
08/05/23	488	2507	1255	0.003	168.000	0.514467	25
08/12/23	535	2511	1256	0.003	168.000	0.564719	25
08/19/23	533	2510	1256	0.003	168.000	0.56186	25
08/26/23	535	2503	1252	0.003	168.000	0.562643	25
09/02/23	527	2475	1238	0.003	168.000	0.547896	25
09/09/23	290	2471	1237	0.002	168.000	0.301358	25
09/16/23	464	2469	1236	0.003	168.000	0.48194	25
09/23/23	540	2478	1240	0.003	168.000	0.561959	25
09/30/23	539	2502	1252	0.003	168.000	0.566626	25
10/07/23	540	2527	1264	0.003	168.000	0.573844	25
10/14/23	531	2546	1274	0.003	168.000	0.567886	26
10/21/23	450	2551	1277	0.003	168.000	0.482692	26
10/28/23	447	2552	1277	0.003	168.000	0.479713	26
11/04/23	536	2508	1255	0.003	168.000	0.564601	25
11/11/23	528	2518	1260	0.003	168.000	0.558656	25
11/18/23	462	2550	1276	0.003	168.000	0.495234	26
11/25/23	498	2534	1268	0.003	168.000	0.530564	26
12/02/23	474	2541	1271	0.003	168.000	0.506304	26
12/09/23	425	2554	1278	0.003	168.000	0.455786	26
12/16/23	452	2564	1283	0.003	168.000	0.487469	26
12/23/23	476	2580	1291	0.003	168.000	0.516027	26
12/30/23	516	2582	1292	0.003	168.000	0.559931	26

# 2023 Annual Compliance Report - Genesis Solar LLC

## Genesis Solar PM10 Data Unit 2

Date	Cooling Tower TDS (ppmw)	Cooling Tower Flow (gpm)	Cooling Tower Flow Rate (klbm/hr)	Cooling Tower PM10 (lbm/hr)	Cooling Tower RUNTIME Hrs/wk	PM10 lbs/wk	Million Gals per week
12/31/22	515	2654	1328	0.003	168.000	0.574293	27
01/07/23	521	2654	1328	0.003	168.000	0.580969	27
01/14/23	176	2646	1324	0.001	168.000	0.195768	27
01/21/23	254	2392	1197	0.002	168.000	0.255684	24
01/28/23	461	2555	1279	0.003	168.000	0.495367	26
02/04/23	544	2575	1288	0.004	168.000	0.588521	26
02/11/23	545	2579	1290	0.004	168.000	0.590644	26
02/18/23	528	2579	1290	0.003	168.000	0.57259	26
02/25/23	509	2592	1297	0.003	168.000	0.554411	26
03/04/23	554	2596	1299	0.004	168.000	0.604248	26
03/11/23	520	2596	1299	0.003	168.000	0.567661	26
03/18/23	543	2598	1300	0.004	168.000	0.59253	26
03/25/23	542	2608	1305	0.004	168.000	0.593787	26
04/01/23	541	2604	1303	0.004	168.000	0.592063	26
04/08/23	546	2557	1280	0.003	168.000	0.58657	26
04/15/23	557	2564	1283	0.004	168.000	0.600765	26
04/22/23	547	2582	1292	0.004	168.000	0.59381	26
04/29/23	549	2587	1295	0.004	168.000	0.597099	26
05/06/23	476	2576	1289	0.003	168.000	0.515187	26
05/13/23	444	2577	1290	0.003	168.000	0.480845	26
05/20/23	345	2566	1284	0.002	168.000	0.372613	26
05/27/23	201	2565	1283	0.001	168.000	0.216658	26
06/03/23	202	2570	1286	0.001	168.000	0.217805	26
06/10/23	190	2566	1284	0.001	168.000	0.204468	26
06/17/23	333	2560	1281	0.002	168.000	0.35782	26
06/24/23	484	2556	1279	0.003	168.000	0.520211	26
07/01/23	449	2561	1282	0.003	168.000	0.483022	26
07/08/23	524	2546	1274	0.003	168.000	0.561043	26
07/15/23	537	2537	1269	0.003	168.000	0.573154	26
07/22/23	537	2544	1273	0.003	168.000	0.574218	26
07/29/23	508	2548	1275	0.003	168.000	0.543713	26
08/05/23	443	2541	1271	0.003	168.000	0.473492	26
08/12/23	386	2581	1292	0.002	168.000	0.418687	26
08/19/23	454	2577	1290	0.003	168.000	0.491567	26
08/26/23	472	2557	1279	0.003	168.000	0.506868	26
09/02/23	464	2562	1282	0.003	168.000	0.500007	26
09/09/23	443	2564	1283	0.003	168.000	0.477797	26
09/16/23	350	2547	1275	0.002	168.000	0.375131	26
09/23/23	422	2538	1270	0.003	168.000	0.450604	26
09/30/23	417	2544	1273	0.003	168.000	0.446351	26
10/07/23	397	2551	1276	0.003	168.000	0.425658	26
10/14/23	257	2570	1286	0.002	168.000	0.27707	26
10/21/23	239	2570	1286	0.002	168.000	0.258287	26
10/28/23	312	2575	1289	0.002	168.000	0.338112	26
11/04/23	322	2583	1293	0.002	168.000	0.349711	26
11/11/23	274	2578	1290	0.002	168.000	0.296426	26
11/18/23	285	2585	1293	0.002	168.000	0.309659	26
11/25/23	287	2577	1290	0.002	168.000	0.311083	26
12/02/23	168	2581	1291	0.001	168.000	0.182549	26
12/09/23	155	2594	1298	0.001	168.000	0.168628	26
12/16/23	125	2594	1298	0.001	168.000	0.136426	26
12/23/23	137	2597	1299	0.001	168.000	0.149482	26
12/30/23	159	2596	1299	0.001	168.000	0.17401	26

## Section 7

### AQ-30 Emergency Diesel Generators

*The project owner shall maintain an operations log for this unit current and on-site, either at the engine location or at an on-site location*

**Verification:** *The project owner shall submit records required by this condition that demonstrating compliance with the sulfur content and engine use limitations of conditions **AQ-27** and **AQ-29** 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.*

Fuel Sulfur concentration from supplier's certificate of sulfur content maintained on file at the facility. Operations log maintained at the facility.

Unit 1 Emergency Diesel Generator operated a total of 12.4 hours in 2023.



Unit 2 Emergency Diesel Generator operated a total of 10.9 hours in 2023



## Section 8

### **AQ-39 Emergency Diesel Fire Pump**

**Verification:** *The project owner shall submit records required by this condition that demonstrating compliance with the sulfur content and engine use limitations of conditions **AQ-36** and **AQ-38** 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*

Fuel Sulfur concentration from supplier's certificate of sulfur content maintained on file at the facility.  
Operations log maintained at the facility.

Facility Emergency Diesel Fire Pump operated a total of 22.1 hours in 2023.



## Section 9

### **AQ-50 Gasoline Storage Tank**

**Verification:** *The project owner shall submit to the CPM gasoline throughput records demonstrating compliance with this condition as part of the Annual Compliance Report. The project owner shall maintain on site the annual gasoline throughput records and shall make the site available for inspection of records by representatives of the District, ARB, and the Energy Commission.*

2023 Gasoline Throughput Records.



# Throughput Fuel Dispensing Equipment

Failure to respond no later than **Feb. 28** will result in enforcement action.

Emission year: \_\_\_\_\_

Fill out sections in gray and return to  
**Mojave Desert Air Quality Management District**  
 at the address listed at the top of this document,  
 or email completed form to [VaporRecoveryTesting@mdaqmd.ca.gov](mailto:VaporRecoveryTesting@mdaqmd.ca.gov).

STATION NAME:	COMPANY NUMBER:	FACILITY NUMBER:	DISTRICT PERMIT NUMBER:
STATION ADDRESS:	CITY:	STATE:	ZIP:
TELEPHONE NUMBER:	EMAIL ADDRESS:		

TYPE OF FUEL DISPENSED:	TOTAL GALLONS DISPENSED IN EMISSION YEAR:
Gasoline	_____
Diesel fuel	_____
Propane	_____
Aviation gas	_____
Ethanol	_____
Racing fuel	_____

**CERTIFICATION**

I, \_\_\_\_\_, a responsible official of  
NAME OF OFFICIAL

\_\_\_\_\_, hereby certify, based upon information and  
NAME OF FACILITY

belief formed after reasonable inquiry, that the above information is true, accurate and  
 complete. Executed this \_\_\_\_\_ day of \_\_\_\_\_, \_\_\_\_\_ at  
DAY MONTH YEAR

\_\_\_\_\_  
COUNTY AND STATE

*Cynthia Keller*  
SIGNATURE

\_\_\_\_\_  
NAME AND TITLE

**For questions or assistance, call 760.245.1661.**

# Section 10

## AQ-SC-6 (Vehicle and Equipment Fleet)

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

### Genesis Vehicle and Equipment List

Qty	Description	Detailed Description	Manufacturer's VIN/SERIAL NUMBER	Plant
1	Chevrolet CK 15743 Silverado 15	PTL	3GCUKNEC2GG351350	PGM
1	2013 Ford F-150 4WD SuperCrew 145" XL (W1E)	PM Vehicle	1FTFW1EF4DKF10955	PM
1	2013 Ford F-150 2WD SuperCres 145" XL (W1C)	Admin	1FTEW1CM6DKF10954	VAD-1
3	2013 Ford F-150 2WD Reg Cab 126" XL (F1C)	PA / Ops Spec / Maint Spec / Env	1FTMF1CMXDKF05400 1FTMF1CM1DKF05401 1FTMF1CM7DKF05404	VPL-1 VPL-2 VPL-3
4	2013 Ford F-150 2WD Reg Cab 126" XL (F1C)	Production Team - Power Block	1FTMF1CM3DKF05402 1FTMF1CM3DKF05397 1FTMF1CM5DKF05398	VPB-2 VPB-3 VPB-4
3	2013 Ford F-150 2WD Reg Cab 126" XL (F1C)	Production team - Solar Field Patrol & Maintenance	1FTMF1CM5DKF05403 1FTMF1CM9DKF05405 1FTMF1CM1DKF05396	VSF-1 VSF-2 VSF-3
1	2013 Ford super Duty F-350 DRW 2WD Reg Cab 141" WB 60" CA XL (F3G) w/Compressor	Production Team Equipment Service		VSRV-1
3	2013 Ford Super Duty F-250 SRW 2WD Reg Cab 137" XL (F2A)	Production Team - Plant	1FDBF2A66DEB58109 1FDBF2ADEB58107	VSRV-2 VSRV-3 VSRV-4
2	2013 Ford super Duty F-350 DRW 2WD Reg Cab 141" WB 60" CA XL (F3G) w/Welder	Production Team - Plant Welding & Maintenance		VW-1 VW-2
1	2013 Ford Super Duty F-450 DRW 2WD Reg Cab 165" WB 84" CA XL (F4G)	Service Truck		VSRV-5
2	2013 CT660S SBA 6x4 (CF7AA) 4500 Gallon Water Deluge Trucks	Deluge Truck		MWT-1 MWT-2
2	HTF Evacuation Trucks		2NP2HJ7X8EM224954	ET-1 ET-2
1	Backhoe Caterpillar 420F Extendable Boom Four Wheel Drive	Underground repair		TBH-1
1	CAT Model: 259B3 Compact Track Loader	Grade repair		

## Section 11

### **BIO-2 Designated Biologists Duties**

*Verification: The Designated Biologist shall provide copies of all written reports and summaries that document biological resources compliance activities in the Monthly Compliance Reports submitted to the CPM (Construction is now over and monthly reports have ceased since 2014). If actions may affect biological resources during operation a Designated Biologist shall be available for monitoring and reporting. During Project operation, the Designated Biologist shall submit record summaries in the Annual Compliance Report unless his or her duties cease, as approved by the CPM*

The Designated Biologists are on an on-call basis. CEC approved Designated Biologists are Matthew Martin and Amy Anderson.

## Section 12

### **BIO-4 Biological Monitor Duties**

*Verification: The Designated Biologist shall submit in the Monthly Compliance Report to the CPM copies of all written reports and summaries that document biological resources compliance activities, including those conducted by Biological Monitors. If actions may affect biological resources during operation a Biological Monitor, under the supervision of the Designated Biologist, shall be available for monitoring and reporting. During Project operation, the Designated Biologist shall submit record summaries in the Annual Compliance Report unless their duties cease, as approved by the CPM.*

Continued Designated Biologists duties ceased as approved by the CPM. On call status of the Designated Biologists remains effective.

## Section 13

### **BIO-6 Worker Environmental Awareness Program (WEAP)**

*Verification: At least 30 days prior to start of construction-related ground disturbance the Project owner shall provide to the CPM for review and approval, and to the USFWS and CDFG for review, a copy of the final WEAP and all supporting written materials and electronic media prepared or reviewed by the Designated Biologist and a resume of the person(s) administering the program.*

*The Project owner shall provide in the Monthly Compliance Report the number of persons who have completed the training in the prior month and a running total of all persons who have completed the training to date. At least 10 days prior to construction-related ground disturbance activities the Project owner shall submit two copies of the CPM-approved final WEAP.*

*Training acknowledgement forms signed during construction shall be kept on file*

## 2023 Annual Compliance Report - Genesis Solar LLC

*by the Project owner for at least six months after the start of commercial operation.*

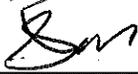
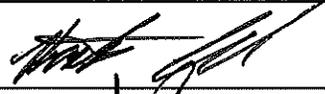
*Throughout the life of the Project, the WEAP shall be repeated annually for permanent employees, and shall be routinely administered within one week of arrival to any new construction personnel, foremen, contractors, subcontractors, and other personnel potentially working within the Project area. Upon completion of the orientation, employees shall sign a form stating that they attended the program and understand all protection measures. These forms shall be maintained by the Project owner and shall be made available to the CPM, BLM, USFWS and CDFG and upon request. Workers shall receive and be required to visibly display a hardhat sticker or certificate that they have completed the training.*

*During Project operation, signed statements for operational personnel shall be kept on file for six months following the termination of an individual's employment.*

2023 signed orientation/WEAP training.



**Workers Environmental Awareness Plan: Training Roster  
Genesis Solar Energy Project**

Company: NextEra Energy		9/26/23	
Name : Print	Signature		Date
MIKE MEDSKER			9/26/23
Javier Rocha			9/26/23
Jairo Gonzalez			9/26/23
Daniel Mejia			9/26/23
Hector A. Martinez B.	Hector A. Martinez		9/26/23
Kristopher Cook			09/26/2023
Aaron H. Perce	Aaron H. Perce		09/26/2023
Tomas Teller	Thomas Teller		9/26/23
Cady Rasmussen			9/26/23
Bill Torroed			9/26/23
Luis Merillo			9/26/23
JESUS FIGUEROA			9.26.23
Silvano Perce			9/26/23































# PGD Contractor & Visitor Orientation: Check for Understanding

Jacob Zarate

**Instructions:** PGD Contractor Coordinator or designee shall conduct a Check for Understanding by verbally asking a minimum of six (6) questions to demonstrate knowledge transfer and assure all attendees know the correct answers. Sites are encouraged to modify or develop site-specific questions. Sample questions are:

1. The speed limit on the site main paved roads is \_\_\_ mph.
  - a. 15
  - b. 35
2. Any of the 7 Unacceptable behaviors can result in immediate action including termination.
  - a. True
  - b. False
3. PGD, site and contractor specific PPE shall be worn in all required areas with no exceptions.
  - a. True
  - b. False
4. Contractors are allowed to take pictures of site equipment, personnel and operations \_\_\_\_\_.
  - a. True
  - b. False
5. Red Danger tape indicates what?
  - a. Proceed safely into area to do your work
  - b. Significant safety risks exist. Do Not Enter unless authorized by person stated on tag
6. Hazardous waste, aerosols, and paint waste do not need to be segregated and go in normal trash.
  - a. True
  - b. False
7. Who do you contact for Hazardous Chemical Safety Data Sheets (SDS/MSDS) at Genesis?
  - a. Contractor Supervisor
  - b. Contractor Coordinator or Site Manager or Environmental Lead
8. Where are the muster stations located?
  - a. Unit 1 & Unit 2 Electronics Building
  - b. Administrative Building Parking Lot and Main Gate
9. The emergency numbers at this site are (760)921-1471 or 1472.
  - a. True
  - b. False
10. I am responsible for my safety at all times.
  - a. True
  - b. False









SOPR 241 Contractor Management

PGD Contractor Orientation - Employee Acknowledgement

By attending the PGD Contractor Orientation and FPL plant-specific Contractor Orientation for this PGD FPL plant, I acknowledge I understand and I shall fully comply with all safety, health, regulatory, NextEra Energy (NEE) Power Generation Division (PGD) FPL contract work requirements; my signature below affirms I understand that a violation of these requirements are sufficient grounds for immediate removal from the work and/or termination of the contract.

NEE Plant: GENESIS SOLAR Contract Coordinator: MIKE MEDSKER

Contractor Company: ICR Date: 4-3-13

Table with 2 columns: Name, Signature. Contains handwritten entries for Anthony Herrera and José Bañuelos, and a signature JFR.













SOPR 241 Contractor Management

PGD Contractor Orientation - Employee Acknowledgement

By attending the PGD Contractor Orientation and FPL plant-specific Contractor Orientation for this PGD FPL plant, I acknowledge I understand and I shall fully comply with all safety, health, regulatory, NextEra Energy (NEE) Power Generation Division (PGD) FPL contract work requirements; my signature below affirms I understand that a violation of these requirements are sufficient grounds for immediate removal from the work and/or termination of the contract.

NEE Plant: GENESIS SCAR Contract Coordinator: JOSH HERNDON

Contractor Company: LARON Date: 1/8/23

Table with 2 columns: Name, Signature. Rows include: Rob Stewart II, Ryan Stewart, Justin Killip, Javon Techoney, and 15 empty rows.







SOPR 241 Contractor Management

PGD Contractor Orientation - Employee Acknowledgement

By attending the PGD Contractor Orientation and FPL plant-specific Contractor Orientation for this PGD FPL plant, I acknowledge I understand and I shall fully comply with all safety, health, regulatory, NextEra Energy (NEE) Power Generation Division (PGD) FPL contract work requirements; my signature below affirms I understand that a violation of these requirements are sufficient grounds for immediate removal from the work and/or termination of the contract.

NEE Plant: GENESIS SOLAR Contract Coordinator: MIKE MADSKER

Contractor Company: MONTROSIE Date: 3/27/23

Table with 2 columns: Name, Signature. Rows include Dominic Heredero, Joe Rubio, Ray Madrigal, and 16 empty rows.















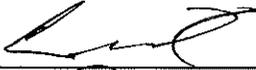
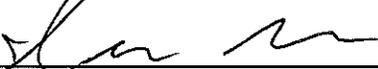






## Workers Environmental Awareness Plan: Training Roster Genesis Solar Energy Project

Company: Premier Scaffold

Name : Print	Signature		Date
Cesar Garcia			1/3/23
<del>Isidro Benavidez</del>	<del></del>		<del>1-3-23</del>
IVAN Maldonado			1/3/23
JUAN ORTIZ			1/3/23
Jesus Zava'la			1/3/23
Nicolas Perez			1/3/23
Eric Duncan			1/3/23
Eliseo Ortega	Eliseo - O		1-3-23
Sergio Corona	Sergio - C		1-3-23





# 2023 Annual Compliance Report - Genesis Solar LLC

## Section 14

### BIO-13 Raven Management

Site personnel performed monthly Raven observations throughout the year and typically observed no more than two ravens during any observation with none observed 50% of the time. Raven control and management goals were met for the year and current mitigation measures will continue for 2024.

Month	Total Ravens Observed During Point Count Survey	Observed Behaviors	Weather Conditions
1/10/2023	1	1 cora observed flying over the solar field at unit 1 ovr collector 1EB/A11. No nests spotted.	8:00 AM Partly cloudy conditions 52°F wind w 5 mph, humidity 62%, no chance of rain in the forecast.
2/7/2023	2	2 coras observed flying over the water treatment plant in unit 1. one flew towards the solar field, the other flew towards the conexas and briefly landed on the south side of the conexas.	2:00 PM, sunny conditions 70°Fwind s 11mph, humidity 17%, no rain in the forecast.
3/16/2023	1	1 cora observed siting on First row of Solar Panels left of the Admin Building.	2:47 PM, Cloudy conditions 75F wind 13mph, humidity 41%
4/20/2023	1	1 cora observed flying over the cooling tower unit 1 circled twice and then flew out towards the solar field no nest spotted	11:47 AM, Sunny conditions 85F, wind 18mph, humidity 9%
5/9/2023	1	1 cora observed siting on the ground peaking at the ground, lifting the dirt with it's beak along the access road to the O&M building	07:05 AM, Sunny conditions 73F, wind 5mph, humidity 31%
6/30/2023	0	No coras observed at either plant.	
7/31/2023	0	No coras observed at either plant.	
8/30/2023	0	No coras observed at either plant.	
9/30/2023	0	No coras observed at either plant.	
10/28/2023	2	1 cora observed siting on First row of Solar Panels left of the Admin Building. 1 cora observed flying away from the Solar Panels.	06:48 AM, Sunny conditions 61F, no wind
11/30/2023	0	No coras observed at either plant.	
12/5/2023	1	1 cora observed siting on First roW Solar Panels left of the admin building.	1537 PM , Sunny conditions 75F, wind 4mph, humidity 29%

## Section 15

### **BIO-14 Weed Management Plan**

***Verification:** No less than 10 days prior to start of any Project-related ground disturbance activities, the Project owner shall provide the CPM with the final version of a Weed Management Plan that has been reviewed and approved by Energy Commission staff, USFWS, and CDFG. Modifications to the approved Weed Control Plan shall be made only after consultation with the Energy Commission staff, USFWS, and CDFG.*

*Within 30 days after completion of Project construction, the Project owner shall provide to the CPM for review and approval, a written report identifying which items of the Weed Management Plan have been completed, a summary of all modifications to mitigation measures made during the Project's construction phase, and which items are still outstanding.*

*On January 31st of each year following construction the Designated Biologist shall provide a report to the CPM that includes: a summary of the results of noxious weeds surveys and management activities for the year; a discussion of whether weed management goals for the year were met; and recommendations for weed management activities for the upcoming year.*

Genesis Solar continues in 2023 to follow a program consistent with the facility's Weed Management Plan with the annual application of approved pre-emergent herbicides and follow-up application of post germination herbicides as needed to control the noxious weed population. This program has met the weed management goals for the year and no changes are proposed for 2024.

## Section 16

### **BIO-15 Pre-Construction Nest Surveys**

No construction activities occurred during 2023 the reporting period.

## Section 17

### **BIO-16 Avian Protection Plan**

*The Project owner shall prepare and implement an Avian Protection Plan to monitor the death and injury of birds from collisions with facility features such as transmission lines, reflective mirror-like surfaces and from heat, and bright light from concentrating sunlight. The Project owner shall use the monitoring data to inform and develop an adaptive management program that would avoid and minimize Project-related avian impacts. Project-related bird deaths or injuries shall be reported to the CPM, CDFG, and USFWS. The CPM, in consultation with CDFG and USFWS, shall determine if the Project-related bird deaths or injuries warrant implementation of adaptive management measures contained in the Avian Protection Plan. The study design for the Avian Protection Plan shall be approved by the CPM in consultation with*

## 2023 Annual Compliance Report - Genesis Solar LLC

*CDFG and USFWS, and, once approved, shall be incorporated into the project's BRMIMP and implemented.*

### **Verification:**

*No later than January 31st of every year the Annual Report shall be provided to the CPM, CDFG, and USFWS. Quarterly reporting shall continue until the CPM, in consultation with CDFG and USFWS determine whether more years of monitoring are needed, and whether mitigation and adaptive management measures are necessary. After two years of data collection the project owner or contractor shall prepare a report that describes the study design and monitoring results of the Avian Protection Plan. The report shall be submitted to the CPM, CDFG and USFWS no later than the third year after onset of Project operation.*

BBCS monitoring is now complete. Reporting through the USFWS Special Purpose Utility Permit (SPUT) Permit continues as avian mortalities are found incidentally. Avian mortalities are entered into the USFWS online reporting system and WRRS internal reporting system.

## Section 18

### **BIO-18 Burrowing Owl Impact Avoidance, Minimization, and Compensation Measures**

**Verification:** *Genesis Solar LLC had no requirements to relocate or mitigate burrowing owls during the construction phase of the facility and compensation measures were completed. As the construction phase of the project is over, and the site has had no burrowing owl siting's or relocation measures arise, Genesis staff request this condition be closed and no further action necessary for future reporting.*

Per the condition of certification, the REAT was established, and a final report submitted to the CEC in 2014.

## Section 19

### **BIO-19 Special-Status Plant Impact Avoidance, Minimization and Compensation**

**Verification:** *The Special-Status Plant Impact Avoidance and Minimization Measures shall be incorporated into the BRMIMP as required under Condition of Certification **BIO-7**.*

*Raw GPS data, metadata, and CNDDDB field forms shall be submitted to the CPM within two weeks of the completion of each survey. A preliminary summary of results for the late summer/fall botanical surveys shall also be submitted to the CPM and BLM's State Botanist within two weeks following the completion of the surveys. If surveys are split into more than one period, then a summary letter shall be submitted following each survey period. The Final Summer-Fall Botanical Survey Report, GIS shape files and metadata shall be submitted to the BLM State Botanist and the CPM no less than 30 days prior to the start of ground-disturbing activities. The Final Report shall include a detailed accounting of the acreage of Project impacts to special-status plant occurrences. The draft conceptual Special-Status Plant Mitigation*

## 2023 Annual Compliance Report - Genesis Solar LLC

*Plan shall be submitted to the CPM for review and approval no less than 30 days prior to the start of ground-disturbing activities.*

*The Project owner shall immediately provide written notification to the CPM, CDFG, USFWS, and BLM if it detects a State- or Federal-Listed Species, or BLM*

*Sensitive Species at any time during its late summer/fall botanical surveys or at any time thereafter through the life of the Project, including conclusion of Project decommissioning.*

*No less than 30 days prior to the start of ground-disturbing activities the Project owner shall submit grading plans and construction drawings to the CPM which depict the location of Environmentally Sensitive Areas and the Avoidance and Minimization Measures contained in Section A of this Condition.*

*If compensatory mitigation is required, no less than 30 days prior to the start of ground-disturbing activities, the Project owner shall submit to the CPM the form of Security adequate to acquire compensatory mitigation lands and/or undertake habitat enhancement or restoration activities, as described in this condition.*

*Actual Security shall be provided 7 days prior to start of ground-disturbing activities.*

*No fewer than 90 days prior to acquisition of compensatory mitigation lands, the*

*Project owner shall submit a formal acquisition proposal and draft Management*

*Plan for the proposed lands to the CPM, with copies to CDFG, USFWS, and*

*BLM, describing the parcels intended for purchase and shall obtain approval from the CPM prior to the acquisition. No fewer than 90 days prior to acquisition of compensatory mitigation lands, the Project owner shall submit to the CPM and obtain CPM approval of any agreements to delegate land acquisition to an approved third party, or to manage compensation lands; such agreement shall be executed and implemented within 18 months of the start of ground disturbance.*

*No fewer than 30 days after acquisition of the property the Project owner shall deposit the funds required by Section I e above (long term management and maintenance fee) and provide proof of the deposit to the CPM.*

*The Project owner or an approved third party shall complete the acquisition and all required transfers of the compensation lands and provide written verification to the CPM of such completion no later than 18 months after the start of Project ground-disturbing activities. If NFWF or another approved third party is being used for the acquisition, the Project owner shall ensure that funds needed to accomplish the acquisition are transferred in timely manner to facilitate the planned acquisition and to ensure the land can be acquired and transferred prior to the 18-month deadline. If habitat enhancement is proposed, no later than six months following the start of ground-disturbing activities, the Project owner shall obtain CPM approval of the final Habitat Enhancement/Restoration Plan, prepared in accordance with Section D, and submit to the CPM or a third party approved by the CPM Security adequate for long-term implementation and monitoring of the Habitat Enhancement/Restoration Plan.*

*Enhancement/restoration activities shall be initiated no later than 12 months from the start of construction.*

*The implementation phase of the enhancement project shall be completed within five years of initiation.*

*Until completion of the five-year implementation portion of the enhancement action, a report shall be prepared and submitted as part of the Annual Compliance Report. This report shall provide, at a minimum: a summary of activities for the preceding year and a summary of activities for the following year; quantitative measurements of the*

*Project's progress in meeting the enhancement project success criteria; detailed description of remedial actions taken or proposed; and contact information for the responsible parties.*

*If a Status and Distribution Study is proposed, the study shall commence no later than six months following the start of ground-disturbing activities. The draft study shall be submitted to the CPM and BLM Botanist for review and approval no more than two years following the start of ground-disturbing activities. The final study shall be submitted no more than 30 months following the start of ground disturbing activities.*

*If a Distribution Study is implemented as contingency mitigation, the study shall be initiated no later than 6 months from the start of construction. The implementation phase of the study shall be completed within two years of the start of construction.*

## **2023 Annual Compliance Report - Genesis Solar LLC**

*Within 18 months of ground-disturbing activities, the Project owner shall transfer to the CPM or an approved third party the difference between the Security paid and the actual costs of (1) acquiring compensatory mitigation lands, completing initial protection and habitat improvement, and funding the long-term maintenance and management of compensatory mitigation lands; and/or (2) implementing and providing for the long-term protection and monitoring of habitat enhancement or restoration activities. Implementation of the special-status plant impact avoidance and minimization measures shall be reported in the Monthly Compliance Reports prepared by the Designated Botanist. Within 30 days after completion of Project construction, the Project owner shall provide to the CPM, for review and approval, in consultation with the BLM State Botanist, a written construction termination report identifying how measures have been completed.*

*The Project owner shall submit a monitoring report every year for the life of the project to monitor effectiveness of protection measures for all avoided special status plants to the CPM and BLM State Botanist. The monitoring report shall include: dates of worker awareness training sessions and attendees, completed*

*CNDDDB field forms for each avoided occurrence on-site and within 100 feet of the Project boundary off-site, and description of the remedial action, if warrantee and planned for the upcoming year. The completed forms shall include an inventory of the special-status plant occurrences and description of the habitat conditions, an indication of population and habitat quality trends.*

The annual report from the plant designated botanist, Dr. Alice Karl, has been submitted to the CEC via email on 03/7/2024

### **BIO-14 and the Project Weed Management Plan**

Weed monitoring and control along the road shoulders has been ongoing and successful. Dr. Karl's recommendation is to continue with annual weed control along the road shoulders. No additional recommendations were added to her annual 2023 report.

We will quantitatively monitor revegetation success again in 2024 (Year 10) and continue qualitative monitoring until that time as mentioned in her report.

### **BIO-24 and the Project Revegetation Plan**

#### ***Revegetation Success***

The approved revegetation plan required that an assessment be made at the end of Year 2 to determine if additional revegetation efforts will be necessary in Year 3 – specifically, the out planting of nursery grown seedlings - to meet success standards in Year 10. The south side assessment in 2015 concluded that success standards are very likely to be met and may be exceeded. For the north side, the growth of annuals from minor summer rains in 2015 suggests that soil functioning, water capture and seed capture are enough to support restoration, should adequate rain occur. No additional efforts are currently recommended.

## Section 20

### **BIO-21 Evaporation Pond Netting and Monitoring**

**Verification:** *No less than 30 days prior to operation of the evaporation ponds the project owner shall provide to the CPM as-built drawings and photographs of the ponds indicating that the bird exclusion netting has been installed. For the first year of operation the Designated Biologist shall submit quarterly reports to the CPM, CDFG, and USFWS describing the dates, durations and results of site visits conducted at the evaporation ponds. Thereafter the Designated Biologist shall submit annual monitoring reports with this information. The quarterly and annual reports shall fully describe any bird or wildlife death or entanglements detected during the site visits or at any other time, and shall describe actions taken to remedy these problems. The annual report shall be submitted to the CPM, CDFG, and USFWS no later than January 31st of every year for the life of the project.*

All pond inspections are performed by Genesis's staff. Inspection results are logged in the facility Maintenance Management System. No significant issues were identified with the evaporation pond netting in 2023 and minor repairs were completed by site personnel when identified during routine inspections.

## Section 21

### **BIO-22 Mitigation for Impacts to State Waters**

**Verification:** *No less than 30 days prior to the start of construction-related ground disturbance activities potentially affecting waters of the state, the Project owner shall provide written verification (i.e., through incorporation into the (BRMIMP) to the CPM that the above best management practices shall be implemented. The Project owner shall also provide a discussion of work in waters of the state in Compliance Reports for the duration of the Project.*

*No less than 30 days prior to beginning construction-related ground-disturbing activities the Project owner shall provide written verification of Security in accordance with this condition of certification. The Project owner, or an approved third party, shall complete and provide written verification of the proposed compensation lands acquisition within 18 months of the start of construction related ground-disturbing activities.*

*The Project owner shall notify the CPM and CDFG, in writing, at least five days prior to initiation of construction-related ground-disturbing activities in jurisdictional state waters and at least five days prior to completion of Project activities in jurisdictional areas. The Project owner shall notify the CPM and CDFG of any change of conditions to the Project, impacts to state waters, or the mitigation efforts. The notifying report shall be provided to the CPM and CDFG no later than seven days after the change of conditions is identified. As used here, change of condition refers to the process, procedures, and methods of operation of a Project; the biological and physical characteristics of a Project area; or the laws or regulations pertinent to the Project as defined below. A copy of the notifying Change of Conditions report shall be included in the annual reports or until it is deemed unnecessary by the CPM, in consultation with CDFG. The Project owner, or an approved third party, shall provide the CPM, CDFG and USFWS with a draft management plan for the compensation lands and associated funds within 180 days of the land or easement purchase, as determined by the date on the title. The CPM shall review and approve the management plan, in consultation with CDFG.*

## 2023 Annual Compliance Report - Genesis Solar LLC

*Within 90 days after completion of Project construction, the Project owner shall provide to the CPM and CDFG an analysis with the final accounting of the amount of jurisdictional state waters disturbed during Project construction.*

*The Project owner shall provide written verification to the CPM, USFWS and CDFG that the compensation lands or conservation easements have been acquired and recorded in favor of the approved recipient no later than 18 months after the start of construction-related ground-disturbing activities.*

*On January 31st of each year following construction the Designated Biologist shall provide a report to the CPM, BLM, USFWS and CDFG that describes the results of monitoring and management of the acquisition lands. The annual report shall describe actions taken to implement the management plan (for example, fencing, erosion control, weed control) during the year and recommendations for enhancement actions that should be implemented the following year.*

Wildlands, Inc. is responsible for completing the other compensatory mitigation tasks and deliverables described in the CEC Decision and BLM Approvals, including, but not limited to, Preliminary Report, Title/Conveyance, Initial Protection and Habitat Improvement, Property Analysis Record, and Long-Term Maintenance and Management Funding and all associated reports and notifications that must be submitted to the Approving Agencies.

## Section 22

### BIO-27 Couch's Spade Foot Toad

**Verification:** *No less than 30 days prior to construction-related ground disturbance the Project owner shall submit to the CPM and CDFG a final Protection and Mitigation Plan. Modifications to the Protection and Mitigation*

*Plan shall be made only after approval from the CPM, in consultation with CDFG. If the Protection and Mitigation Plan includes creation of ponds, the number and acreage of created ponds shall be described in the plan. No less than 90 days prior to operation of Project the Project owner shall provide to the CPM as-built drawings and photographs of the created ponds and maps showing the size and location of the ponds in relation to project features. On January 31st of every year following initiation of operation of the Project the Project owner shall submit reports to the CPM documenting the capacity of the created ponds to hold water for at least 9 days during the spadefoot toad breeding season. If ponds fail to hold water as described above the Project owner shall implement remedial actions. The annual reporting may be terminated upon satisfactory demonstration of this performance standard, and with approval of the CPM.*

No mitigation ponds were required, and none were built in the 2023 reporting period.

# Section 23

## HAZ-1 Hazardous Materials

The project owner shall not use any hazardous materials not listed in Appendix A, below, or in greater quantities or strengths than those identified by chemical name in Appendix A, below, unless approved in advance by the Compliance Project Manager (CPM).

**Verification:** The project owner shall provide to the CPM, in the Annual Compliance Report, a list of hazardous materials contained at the facility

Hazardous Materials at Genesis Solar.

Material	CAS No.	Application	Hazard Characteristics	Maximum Quantity On Site	CERCLA Sara RQ	RQ in Gallons of Product
Acetylene	74-86-2	Welding Gas	Health: moderate toxicity Physical: toxic	990 cubic feet	NR	
Argon	7440-37-1	Welding Gas	Health: low toxicity Physical: non-flammable gas	1980 cubic feet	NR	
Carbon Dioxide	124-38-9	Welding Gas	Health: moderate toxicity Physical: non-flammable gas	556 lbs	NR	
Diesel Fuel	68476-34-6	Equipment refueling and emergency diesel fire pump	Health: low toxicity Physical: combustible	2800 gallons	NR	
Nitrogen	7727-37-9	HTF System	Health: low toxicity	2640 cubic feet	NR	
Oxygen	7782-44-7	Welding Gas	Health: low toxicity Physical: oxidizer	1320 cubic feet	NR	
Dow ThermA	101-84-8	Heat Transfer Fluid (HTF) through out solar array	Health: moderate toxicity Physical: irritant: combustible liquid (class III-B)	1800000 gallons	100 pounds	42 gallons
Sodium Hypochlorite	7681-52-9	Biological control	Health: low toxicity Physical: N/A	1320 gallons	100	82 gallons
Sodium Bisulfite (30%)	7631-90-5	Bleach reduction for RO	Health: High toxicity Physical: Corrosive	1320 gallons	5000 gallons	1617 gallons
Antiscalent	37971-36-1	Antiscalent RO	Health: low toxicity Physical: N/A	660 gallons	NR	
Caustic (50%)	1310-73-2	pH Adjustment	Health: Medium toxicity Physical: Corrosive and irritating to the eyes and skin	660 gallons	1000 pounds	157 gallons
Sulfuric Acid (93%)	7664-93-9	pH Adjustment	Health: Medium toxicity Physical:	2749 pounds	1000 pounds	70 gallons

## 2023 Annual Compliance Report - Genesis Solar LLC

			Corrosive and irritating to the eyes and skin			
Coagulant	10028-22-5	Solids reduction, lamella reducer	Health: Medium toxicity Physical: Corrosive and irritating to the eyes and skin	660 gallons	1000 pounds	253 gallons
Polymer	64742-47-8	Solids reduction, lamella reducer	Health: Medium toxicity Physical: Irritating to the eyes and skin	660 gallons	NR	
Ammonia Hydroxide (19.5%)	1336-21-6	pH Adjustment	Health: High toxicity Physical: Corrosive and irritating to the eyes and skin, can cause serious eye damage. Harmful if inhaled	660 gallons	1000 pounds	647 gallons
Phosphates	7601-54-9	phosphate treatment for steam generators	Health: Medium toxicity Physical: Irritating to the eyes and skin	660	5000 pounds	7275 gallons
Sodium Bromide	7647-15-6	Biological control	Health: High toxicity Physical: Corrosive and irritating to the eyes and skin, can cause serious eye damage. Harmful if inhaled	660 gallons	1000 pounds	900 gallons
Unleaded Gasoline	86290-81-5	Equipment refueling and emergency diesel fire pump	Health: low toxicity Physical: combustible	2000 gallons	NR	

## Section 24

### HAZ-6 Site Security Plan

*The project owner shall also prepare a site-specific security plan for the commissioning and operational phases that will be available to the CPM for review and approval. The project owner shall implement site security measures that address physical site security and hazardous materials storage. The level of security to be implemented shall not be less than that described below (as per NERC 2002).*

**Verification:** *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*

## **2023 Annual Compliance Report - Genesis Solar LLC**

Due to national security measures, the security plan is not attached, however, the CPM has reviewed and approved the plan.

The following documentation is a record of the Affidavit of Compliance signed by the Plant General Manager complying with the CEC Haz-6 Condition of Certification.

Certificate of Affidavit

Genesis Solar, LLC

Chris Allen, Plant General Manager

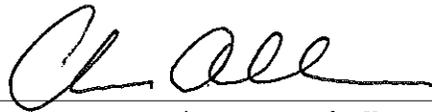
\_\_\_\_\_  
(Name of Person signing affidavit) (Title)

Do hereby certify that background investigations to ascertain the accuracy of the identity and employment history of all employees of

Genesis Solar, LLC

\_\_\_\_\_  
(Company name)

Have been conducted as directed by the California Energy Commission Decision for the above named project.



\_\_\_\_\_  
(Signature of Officer or Agent)

Dated this 27 day of March 2024

*THIS AFFIDAVIT OF COMPLIANCE SHALL BE APPENDED TO THE PROJECT SECURITY PLAN AND SHALL BE RETAINED AT ALL TIMES AT THE PROJECT SITE FOR REVIEW BY THE CALIFORNIA ENERGY COMMISSION COMPLIANCE PROJECT MANAGER*

## Section 25

### Soil&Water-1 Drainage Erosion & Sedimentation Control Plan

**Verification:** *Once operational, the Project owner shall update and maintain the DESCOP for the life of the Project and shall provide in the annual compliance report information on the results of monitoring and maintenance activities.*

No significant rain event occurred in 2023.

## Section 26

### Soil&Water 2

**Verification:** *During Project operation, the Project owner shall submit to the CPM, applicable quarterly, semi-annual and annual reports presenting all the data and information required. Quarterly reports shall be submitted to the CPM thirty (30) days following the end of the quarter. The 4th quarter report shall serve as the annual report and will be provided on January 31 in the following year.*

*The Project owner shall submit to the both the CPM all calculations and assumptions made in development of report data and interpretations, calculations, and assumptions used in development of any reports.*

*j. After the first five year operational and monitoring period, the Project owner shall submit a 5-year monitoring report to the CPM that submits all monitoring data collected and provides a summary of the findings. The CPM will determine if the water level measurement frequencies should be revised or eliminated.*

All quarterly, semi-annual and annual reports were submitted to the CPM on a timely basis. Genesis staff has submitted electronic copies to the CPM and copies are maintained on file at the facility. Reports are not included as an attachment due to their data size.

## Section 27

### Soil&Water 5

**Verification:** *At least thirty (30) days prior to the start of construction of the proposed Project, the Project owner shall submit to the CPM a copy of evidence that metering devices have been installed and are operational.*

*Beginning six (6) months after the start of construction, the Project owner shall prepare a semi-annual summary of amount of water used for construction purposes. The summary shall include the monthly range and monthly average of daily water usage in gallons per day.*

*The Project owner shall prepare an annual summary, which will include monthly range and monthly average of water usage in gallons per month, and total water used on an annual basis in acre-feet. For years subsequent to the initial year of operation, the annual summary will also include the yearly range and yearly average water use by source. For calculating the total water use, the term "year" will correspond to the date established for the annual compliance report submittal.*

# 2023 Annual Compliance Report - Genesis Solar LLC

2023 Water Usage for Genesis Solar, LLC:

Volume of Water Required (in gallons)	Sanitation	Landscaping	Solar Mirror Washing	Dust Suppression	Other Water Use	Total
Jan-23	56,937	0	23,960	0	2,142,695	2,223,592
Feb-23	53,002	0	210,184	0	2,628,832	2,892,018
Mar-23	71,539	0	316,837	0	2,674,041	3,062,417
Apr-23	44,951	0	272,851	0	3,346,904	3,664,705
May-23	72,812	0	259,027	0	4,064,287	4,396,127
Jun-23	58,226	0	212,251	0	4,101,999	4,372,476
Jul-23	59,642	0	126,324	0	4,029,274	4,215,241
Aug-23	75,518	0	340,826	0	4,126,413	4,542,757
Sep-23	76,444	0	315,861	0	3,620,451	4,012,756
Oct-23	52,321	0	122,669	0	3,023,865	3,198,855
Nov-23	79,871	0	36,997	0	1,979,407	2,096,275
Dec-23	68,403	0	148,633	0	2,161,736	2,378,773

## Section 28

### **Soil&Water-13 Channel Maintenance Program**

#### Channel Maintenance Plan:

#### 7. Reporting

As part of the Project Annual Compliance Report to the CPM, submit a Channel Maintenance Program Annual Report specifying 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). The Channel Maintenance Program Annual Report will include 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), a report describing "Lessons Learned" to evaluate the effectiveness of both resource protection and maintenance methods used throughout the year and establish policies to ensure that resources would be protected to the fullest extent feasible during routine channel maintenance activities.

**Verification:** At least sixty (60) days prior to the start of any project-related activities (not including linear), the Project owner shall coordinate with the CPM to develop the Channel Maintenance Program. The Project owner shall submit two copies of the programmatic documentation, describing the proposed Channel Maintenance Program, to the CPM (for review and approval). The Project owner shall provide

## 2023 Annual Compliance Report - Genesis Solar LLC

*written notification that they plan to adopt and implement the measures identified in the approved Channel Maintenance Program.*

The Channel Maintenance Plan was submitted Feb 12, 2013, and subsequently approved by the CPM.

Channel Maintenance was performed and overseen by a Dudek Biologist - Removal of several Tamarisk Trees were completed in 2023.

## Section 29

### **Soil&Water-16 Groundwater Production Report**

***Verification:*** *The Project owner shall file an annual "Notice of Extraction and Diversion of Water" with the SWRCB in accordance with Water Code Sections 4999 et. seq. The Project owner shall include a copy of the filing in the annual compliance report.*

Copies of the filed Extraction Reports are shown below:

**[SUMMARY OF FINAL SUBMITTED VERSION]****ANNUAL NOTICE OF GROUNDWATER EXTRACTION AND DIVERSION FOR REPORTING PERIOD**

October 1, 2022 to September 30, 2023

Primary Owner: GENESIS SOLAR LLC  
 Recordation Number: G333095  
 Date Submitted: 2024-01-31

<b>Reporting to a Local Agency</b>	
Local Agency	Submitter does not report to a local agency.

<b>Type(s) of Diversion</b>	
Surface Diversion	None

<b>Amount of Groundwater Extracted During Calendar Year</b>	
Amount Extracted	1.7910 Acre-Feet

<b>Amount of Surface Water Diverted or Used</b>	
Not applicable; Surface Diversion was not chosen as a type of diversion.	

<b>Maximum Rate of Surface Water Diversion</b>	
Not applicable; Surface Diversion was not chosen as a type of diversion.	

<b>Method of Measurement</b>	
Method of Measurement	Water Meter

<b>Type(s) of Use</b>	
Other	Industrial Process Water

<b>Special Use Categories</b>	
Are you using any water diverted under this right for the cultivation of cannabis?	No

<b>Supplemental Information</b>	
Supplemental Information	

<b>Attachments</b>		
File Name	Description	Size
No Attachments		

<b>Contact Information of the Person Submitting the Form</b>	
First Name	Arlin
Last Name	Brewster
Relation to Water Right	Agent
Has read the form and agrees the information in the report is true to the best of his/her knowledge and belief	Yes

<b>Information on Certification and Signatory</b>	
Name of Person Signing and Certifying the Report	Arlin Brewster
Date of Signature	01/31/2024

**[SUMMARY OF FINAL SUBMITTED VERSION]****ANNUAL NOTICE OF GROUNDWATER EXTRACTION AND DIVERSION FOR REPORTING PERIOD**

October 1, 2022 to September 30, 2023

Primary Owner: GENESIS SOLAR LLC  
 Recordation Number: G333094  
 Date Submitted: 2024-01-31

<b>Reporting to a Local Agency</b>	
Local Agency	Submitter does not report to a local agency.

<b>Type(s) of Diversion</b>	
Surface Diversion	None

<b>Amount of Groundwater Extracted During Calendar Year</b>	
Amount Extracted	0 Acre-Feet

<b>Amount of Surface Water Diverted or Used</b>	
Not applicable; Surface Diversion was not chosen as a type of diversion.	

<b>Maximum Rate of Surface Water Diversion</b>	
Not applicable; Surface Diversion was not chosen as a type of diversion.	

<b>Method of Measurement</b>	
Method of Measurement	

<b>Type(s) of Use</b>	
No types selected.	

<b>Special Use Categories</b>	
Are you using any water diverted under this right for the cultivation of cannabis?	

<b>Supplemental Information</b>	
Supplemental Information	

<b>Attachments</b>		
File Name	Description	Size
No Attachments		

<b>Contact Information of the Person Submitting the Form</b>	
First Name	Arlin
Last Name	Brewster
Relation to Water Right	Agent
Has read the form and agrees the information in the report is true to the best of his/her knowledge and belief	Yes

<b>Information on Certification and Signatory</b>	
Name of Person Signing and Certifying the Report	Arlin Brewster
Date of Signature	01/31/2024

**[SUMMARY OF FINAL SUBMITTED VERSION]****ANNUAL NOTICE OF GROUNDWATER EXTRACTION AND DIVERSION FOR REPORTING PERIOD**

October 1, 2022 to September 30, 2023

Primary Owner: GENESIS SOLAR LLC

Recordation Number: G333093

Date Submitted: 2024-01-31

<b>Reporting to a Local Agency</b>	
Local Agency	Submitter does not report to a local agency.

<b>Type(s) of Diversion</b>	
Surface Diversion	None

<b>Amount of Groundwater Extracted During Calendar Year</b>	
Amount Extracted	124.2050 Acre-Feet

<b>Amount of Surface Water Diverted or Used</b>	
Not applicable; Surface Diversion was not chosen as a type of diversion.	

<b>Maximum Rate of Surface Water Diversion</b>	
Not applicable; Surface Diversion was not chosen as a type of diversion.	

<b>Method of Measurement</b>	
Method of Measurement	Water Meter

<b>Type(s) of Use</b>	
Other	Industrial Process Water

<b>Special Use Categories</b>	
Are you using any water diverted under this right for the cultivation of cannabis?	No

<b>Supplemental Information</b>	
Supplemental Information	

<b>Attachments</b>		
File Name	Description	Size
No Attachments		

<b>Contact Information of the Person Submitting the Form</b>	
First Name	Arlin
Last Name	Brewster
Relation to Water Right	Agent
Has read the form and agrees the information in the report is true to the best of his/her knowledge and belief	Yes

<b>Information on Certification and Signatory</b>	
Name of Person Signing and Certifying the Report	Arlin Brewster
Date of Signature	01/31/2024

## Section 30

### **Soil&Water-6 Waste Discharge Requirements**

*The Project owner shall pay the annual waste discharge permit fee associated with this facility to the Water Boards. In addition, the Water Boards may "prescribe" these requirements as waste discharge requirements pursuant to Water Code Section 13263 solely for the purposes of enforcement, monitoring, inspection, and the assessment of annual fees, consistent with Public Resources Code Section 25531, subdivision (c)*

The fees were paid in February 2024.

**ANNUAL NOTICE OF GROUNDWATER EXTRACTION & DIVERSION FOR 2023**

**Water Right ID**  
**G333093**

**Primary Owner**  
**GENESIS SOLAR LLC**

**INVOICE**

Your Notice of Groundwater Extraction & Diversion (G333093) has been successfully submitted.

Please mail a check or money order for the \$50.00 filing fee along with a printout of this invoice to the following address:

State Water Resources Control Board  
Division of Water Rights  
PO Box 2000  
Sacramento, CA 95812-2000

Check or money order should indicate your recordation number(s) and be made payable to: State Water Resources Control Board.

Do not send cash.

DEADLINE: Payment must be postmarked no later than February 1, 2024 in order to be recorded.

THIS SPACE FOR OFFICE USE ONLY R. \_\_\_\_\_ AMT: \_\_\_\_\_

**ELECTRONIC PAYMENT/AUTOMATIC CLEARINGHOUSE (ACH)**

If you are paying electronically, include your groundwater recordation number when submitting your payment. Click the following link to visit the [SWRCB Make a Payment webpage](#). Select the "Application Fees" box, then scroll to the bottom of the page and enter your application number **RAG33309323**.

After printing this invoice screen, please click the 'Return to List of Reports' button below to view reports for this Recordation Number. The listing will give you the option of printing the submitted report for your records.

[Return to List of Reports](#)

## Payment Confirmation

Please take note of the confirmation number or print this page for your records.

**Payment Submission Date and Time (PST): 1/31/2024 Time: 7:03:39 AM**

**Payment Type :** Application Fees

**Bank Account :** \*\*\*\*\*5325

<b>SWRC Application Number</b>	<b>Invoice Amount</b>	<b>Other Amount</b>	<b>Total Amount</b>	<b>Debit Date</b>	<b>Confirmation Number</b>
RAG33309323	\$50.00	\$0.00	\$50.00	02/01/2024	<b>7595454</b>

## Section 31

### **VIS-1 Surface Treatment of Non-Mirror Project Structures and Buildings**

**Verification:** *At least 30 days prior to specifying to the vendor the colors and finishes of the first structures or buildings that are surface treated during manufacture, the project owner shall submit the proposed treatment plan to the CPM for review and approval and simultaneously to Riverside County for review and comment. If the CPM determines that the plan requires revision, the project owner shall provide to and the CPM a plan with the specified revision(s) for review and approval by the CPM before any treatment is applied. Any modifications to the treatment plan must be submitted to the CPM for review and approval.*

*Upon completion of construction of specific facility structures, the project owner shall notify the CPM that surface treatment of that structure or building has been completed and is ready for inspection and shall submit to each one set of electronic color photographs of the structure.*

*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.*

Reporting Year Building conditions: Moderate weathering on exterior structures

Reporting Year Maintenance Activities: None

Next Year's Planned Maintenance Activities: None

## Section 32

### WASTE-9 Operations Waste Management Plan

**Verification:** *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.*

The following table summarizes the actual 2023 hazardous waste shipments compared to the facility Waste Management Plan. The Waste Management Plan will be updated to reflect the facility's current waste generation and management practices as shown on the table.

Haz shipments table

Table 1. 2023 Genesis Solar Energy Center Waste Streams and Volume

Operations Waste Stream	Waste Hazard Classification	Planned disposal method		OWMP Estimated Annual Generation Amount	Actual Quantity of Waste Generated	Actual disposal method (if same as original plan indicate "same")
Scrap wood, class, solar mirrors, plastic, paper, class III garbage	Nonhazardous solids	Waste Hauler	Disposal Facility	25,000 pounds	245,000 pounds	Same
		CRR	RCL			
Spent lead acid batteries	Universal waste	Waste Hauler	Disposal Facility	50 pounds	1,225 pounds	Same
		MPE	SSW			
Spent rechargeable batteries (lithium-ion and nickel cadmium)	Universal waste	Waste Hauler	Disposal Facility	25 pounds	20 pounds	Same
		MPE	SSW			
Spent alkaline batteries	Universal waste	Waste Hauler	Disposal Facility	25 pounds	50 pounds	Same
		MPE	SSW			
Fluorescent, mercury vapor lamps	Universal waste	Waste Hauler	Disposal Facility	25 pounds	18 pounds	Same
		DES	MDS			
Electronic Waste	Universal waste	Waste Hauler	Disposal Facility	200 pounds	150 pounds	Same
		DES	MDS			
Used oil (hydraulic fluid, motor oils, lube oils, grease)	Hazardous liquids	Waste Hauler	Disposal Facility	250 gallons	850 gallons	Same
		WO	WO			
Used oil and water (from oily water separators)	Hazardous liquids	Waste Hauler	Disposal Facility	50 pounds	0 pounds	Same
		MPE	CHA			
Used oil filters	Hazardous solids	Waste Hauler	Disposal Facility	100 pounds	0 pounds	Same
		MPE	CHA			
Oily rags and absorbents	Hazardous liquids	Waste Hauler	Disposal Facility	500 pounds	1,600 pounds	Same
		MPE, DES	CHA, CHG, AAS			
Liquid lab waste	Hazardous liquids	Waste Hauler	Disposal Facility	500 pounds	0 pounds	Same
		MPE	CHA			
Solvents, paint, adhesives	Hazardous liquids	Waste Hauler	Disposal Facility	50 pounds	0 pounds	Same
		MPE	CHA			

HTF soil	Hazardous waste solids	Waste Hauler	Disposal Facility	2,000 pounds	0 pounds	Same
		MPE	CHA			
HTF unit carbon absorption filters	Hazardous waste solids	Waste Hauler	Disposal Facility	5 tons	17 tons	Same
		DES	C&O			
HTF contaminated debris	Hazardous waste solids	Waste Hauler	Disposal Facility	500 pounds	3200 pounds	Same
		MPE	CHA			
Used HTF with water	Hazardous liquids	Waste Hauler	Disposal Facility	4,000 gallons	650 Gallons	Same
		MPE	CHA,CHG			

#### Waste Hauler Listing

Abbreviation	Name	City/State
CRR	CR&R	Stanton, CA
MPE	MP Environmental	Phoenix, AZ
DES	Desert Environmental Services	Victorville CA
WO	World Oil	Compton, CA

#### Disposal Facility Listing

Abbreviation	Name	City/State
AAS	AA Sydcol LLC	Yuma, AZ
CHA	Clean Harbors Arizona	Phoenix, AZ
CHG	Clean Harbors Grassy Mountain	Grantsville, UT
CHU	Clean Harbors Aragonite	Aragonite, UT
C&O	Crosby and Overton	Long Beach, CA
MDS	Mercury Disposal Systems Inc.	Tustin, CA
RCL	Riverside County Landfill	Blythe, CA
RT	Recicladora Temarry de Mexico	Tecate, BC Mexico
SSW	Stericycle Specialty Waste	Phoenix, AZ
WO	World Oil	Compton, CA

## Section 33

### **WORKER SAFETY-9 Joint Training Exercises with RCFD**

A joint fire drill training exercise with the Riverside County Fire Department was staged on September 27th, 2023.

The staged scenario being an Ullage Truck Fire, with a fire Southeast 3 mph winds.

The plant remained on-line and at full power during the drill.

Drill summary documents attached:

ULAGE  
TRUCK  
FIRE

"B" CROW

9/27/23

GENESIS SOLAR EMPLOYEE SIGN-IN SHEET



AT WORK. AT HOME. AT PLAY



Topic: Emergency Drill Sept 2023

Date:

Name	Signature
Allen, Chris	
Berber, Hector	
Bistline, Joe	<i>[Signature]</i>
Cole, Kris	
Cunha, David	
Currier, Steve	
Davis, Don	<i>[Signature]</i>
Demara, Frank	
Deshazo, Gene	
Enamorado, Elvin	
Figüeroa, Jesus	
Fout, Henry	
Gonzalez, Jario	<i>[Signature]</i>
Hall, Christopher	<i>[Signature]</i>
Hancock, Wyatt	<i>[Signature]</i>
Herndon, Josh	<i>[Signature]</i>
Heveron, Lynda	<i>[Signature]</i>
Holladay, Cody	
Hudson, Chris	<i>[Signature]</i>
Hurtado, Marco	
Jaramillo, Jered	
Januscheski, Robert (Bobby)	<i>[Signature]</i>
Jarrard, Bill	<i>[Signature]</i>
Jones, Corey	
Lopez, Maria	
Magana, Eduardo	<i>[Signature]</i>
Medsker, Michael	<i>[Signature]</i>
Mejia, Daniel	<i>[Signature]</i>
Morris, Britton	<i>[Signature]</i>
Murillo, Luis	<i>[Signature]</i>
Pena, Jaime	
Perez, Pedro	<i>[Signature]</i>
Perez, Silverio	<i>[Signature]</i>
Pierce, Aaron	
Prieto, Jose	
Rasmussen, Cody	
Rocha, Javier	<i>[Signature]</i>
Rose, Averell	<i>[Signature]</i>
Salas, Ray	<i>[Signature]</i>
Salas, Ron	
Salinas, Cruz	<i>[Signature]</i>
Sanchez, Edward	
Scott, Brandon	
Smith, Danny	<i>[Signature]</i>
Sprawls, Connor	
Sutterfield, Mike	<i>[Signature]</i>
Tellez, Thomas	<i>[Signature]</i>
Waite, Michael	<i>[Signature]</i>
Wymire, Ronald (Ronnie)	<i>[Signature]</i>
Weaver, Qwyn	<i>[Signature]</i>

Kaller, Cynthia OK

<b>POWER GENERATION DIVISION</b>	LOCATION GENESIS	DOCUMENT NUMBER 141231100934	
	PROCESS PREVENTATIVE MAINTENANCE	REVISION 3	Page 1 of 12
	DOCUMENT TITLE PM - SE - 0 SAFETY EMERGENCY EVACUATION DRILL		

EFFECTIVE DATE: **09/01/2013**

LEVEL OF USE DESIGNATION: **Reference Use**

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**1.0 DOCUMENT STORAGE AND INFORMATION**

- 1.1. This procedure is located in the OpModel:  
 Category: Production  
 Process: Operations and Daily Maintenance  
 Sub-Process: Preventative Maintenance

**2.0 REVISION HISTORY**

Rev #	Revision Description	Approved By Title and Department	Effective Date

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**3.0 PURPOSE AND SCOPE**

3.1. Perform at least one Emergency Evacuation Drill annually per site employee to ensure readiness during an actual emergency.

**4.0 REFERENCES AND COMMITMENTS**

**4.1. Performance References**

4.1.1 None

**4.2. Developmental References**

4.2.1 Pursuant to FPLE and Cal OSHA requirements, Annual drills will be performed without notice.

**4.3. Commitments**

4.3.1 None

**5.0 DEFINITIONS**

5.1.1 None

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## **6.0 SAFETY AND ENVIRONMENTAL**

### **6.1. SAFETY**

#### **6.1.1 Precautions**

1. Review procedure before starting drill.
2. Possibility of Trip Hazards in plant.
3. Possibility of Heat Stress or Heat Exhaustion during hot weather.
4. Possibility of exposure to Spiders, Insects, Snakes or Wild Life in plant.
5. Proper training of this procedure prior to participation in drills.

#### **6.1.2 Limitations**

1. Site Orientation Guide.
2. Employee Safe Work Practices Manual.
3. Risk Assessment and Mitigation Form.
4. JSA (Job Safety Analysis).

### **6.2. Environmental**

#### **6.2.1 Precautions**

1. None

#### **6.2.2 Limitations**

1. None

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## 7.0 PREREQUISITES AND INITIAL CONDITIONS

### 7.1 Prerequisites

**RETRIEVE** Genesis Site **AND** Visitor Sign in Log Book to account for personnel at the Muster Point.

### 7.2 Initial Conditions

- 7.2.1 Drills can and will be performed with plant online or off.
- 7.2.2 It is the responsibility of Plant Essential Personnel (Production Technician Leader or Designee) to **PLAN AND EXECUTE** the monthly drill.
- 7.2.3 The Production Leader or Designee is considered Essential Personnel for duration of the drill, all others are considered non-essential personnel for the purpose of this drill.
- 7.2.4 All non-essential personnel will participate in the drill by following instructions when announced.
- 7.2.5 There will be no smoking during the event. All personnel are requested to extinguish smoking material.
- 7.2.6 The use of cell phones is prohibited during the drill.
- 7.2.7 A roster of the event will be **MAINTAINED AND SIGNED** by all participants during de-briefing. A de-briefing will be held to discuss improvements or any errors displayed during the event and annotated in the Notes section of the Genesis Drill Form. Minutes of the de-briefing will be taken by the control room operator.

## 8.0 INSTRUCTIONS

### 8.1. LOCATION OF MUSTER POINTS

- Main Muster Point – Parking outside of Control/Administration Building South Access Doors
- Alternate Muster Point – Main Gate located center of East perimeter fence for Unit 2

### 8.2. TRACKING OF EMERGENCY EVACUATION DRILL COMPLETION

- 8.2.1 Shifts Teams will **PERFORM** Emergency Evacuation Drills between 0600 and 1500 Monday through Friday to **ENSURE** all site personnel participate in **AT LEAST ONE** drill per year, **ONCE** all Non-shift personnel have signed the **ANNUAL PARTICIPATION ROSTER** drills can be performed outside these times and days.
- 8.2.2 The **FIRST** Shift Team to **PERFORM** a Drill within the calendar year **SHALL PRINT, FILL OUT AND FILE** Attachment #2 **ANNUAL PARTICIPATION ROSTER** in the **EMERGENCY EVACUATION DRILL** binder stored in Control Room.
- 8.2.3 Shift Teams will **REVIEW** running Attachment #2 **ANNUAL PARTICIPATION ROSTER** **AND ENSURE** they **PERFORM** their two **EMERGENCY EVACUATION DRILLS** on a day that will allow each of their Shift Personnel to participate in at least one drill each year **AND** that all Non-Shift Personnel have participated in at least one drill each year.
- 8.2.4 **AFTER** Completion of an **EMERGENCY EVACUATION DRILL** the Shift Team **SHALL FILE** Attachment #1 **GENESIS EMERGENCY EVACUATION PLAN FORM** in the **EMERGENCY EVACUATION DRILL** binder stored in Control Room.
- 8.2.5 **ONCE** the **LAST** Shift Team **PERFORMS** their Drill they **SHALL REMOVE AND DELIVER** all completed **GENESIS EMERGENCY EVACUATION PLAN FORMS** **AND ANNUAL PARTICIPATION ROSTER** to the site Environmental/Safety Leader.
- 8.2.6 Shifts **PERFORM** their assigned Drill in the Months listed below.
1. A Shift January & May
  2. B Shift February & June
  3. C Shift March & July
  4. D Shift April & August

**8.3. EXECUTION OF EMERGENCY EVACUATION DRILL**

**8.3.1 PERFORM** the following sub-steps:

1. **REFERENCE** SMS 237 Suggested Scenario **OR DEVELOP** a site specific scenario **THEN PLAN AND WRITE** down scenario on Genesis Drill Execution Form, (Att#1), taking into consideration the reason for the emergency evacuation (chemical release, fire, bomb threat, medical emergency, etc.)
2. **ANNOUNCE** drill over Radio (Channel 1 & 3).

*DS*  
*DS*

**NOTE**

**Announcement: "Attention in the plant, attention in the plant, attention in the plant. This is a drill, this is a drill, this is a drill." Read drill scenario.**

**DRILL SCENARIO**

**There is a/an \_\_\_\_\_ (Description of Hazard/Event) at the \_\_\_\_\_ (Location) . All noon-essential personnel evacuate immediately to the \_\_\_\_\_ Muster Point \_\_\_\_\_ from \_\_\_\_\_**

**(Repeat 1 times)**

3. **CONTACT FPDC AND INFORM** them that the Site is performing an Emergency Evacuation Drill.
4. **DESIGNATE** an individual to take the Genesis Site **AND** Visitor Sign in Log Book to the designated muster point, to account for all personnel and time of drill completion **THEN ANNOTATE** the following.
  - a. Time event started **0958**
  - b. Time last individual reached the designated muster point **1013**
  - c. Individuals that did not reach the muster point **n/a**
  - d. Time event ended **~~1024~~ 1024**
5. **ONCE** all on site personnel have been accounted for or **AND** the PTL deems Drill **COMPLETE READ** the following announcement **ONCE**.
  - Attention in the plant, attention in the plant, attention in the plant, the Emergency Drill has now ended, all Genesis personnel report to the Control Room for a debriefing.

*DS*  
*DS*  
*DS*  
*DS*

**NOTE**

This PM is a Regulatory Requirement so document requires archiving.

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6. **SCAN AND UPLOAD** Completed PM into ATTACHMENT Tab on Corresponding Maximo PM PRIOR to Changing Status to COMPLETE. WJ
  
7. **FILE** completed documentation in three ring binder located in control room and marked: "EMERGENCY EVACUATION DRILL". WJ

**END of Instructions**

## 9.0 RECORDS

- GENESIS EMERGENCY EVACUATION DRILL FORM
- ANNUAL PARTICIPATION ROSTER

**ATTACHMENT #1, EMERGENCY EVACUATION DRILL PLAN FORM**

**GENESIS EMERGENCY EVACUATION DRILL PLAN FORM**

**Drill Date:**

On Shift Essential Personnel	
Production Tech Leader	Cruz Salinas
Production Technician	Chris Hall

Drill/Scenario Announcement Over Audible Communication System and Radio	
ATTENTION IN THE PLANT, ATTENTION IN THE PLANT, ATTENTION IN THE PLANT - THIS IS A DRILL, THIS IS A DRILL, THIS IS A DRILL.	
Description	
Location of Hazard	Willage 2
Type of Hazard	vehicle fire
Wind Direction	South east 3 mph
Muster Point	Front Door of Admin
ALL NON-ESSENTIAL PLANT PERSONNEL WILL EVACUATE IMMEDIATELY TO MUSTER POINT	

Drill Results	
Drill Start Time: 0958	
Drill End Time: 1024	
Were All Personnel Accounted for? 1013	<input checked="" type="radio"/> YES <input type="radio"/> NO
Unaccounted for Personnel	

Drill Completion Announcement Over Audible Communication System and Radio
Attention in the plant, Attention in the plant, Attention in the plant, the EMERGENCY drill has now ended. All Genesis personnel report to the control room for de-briefing.

Debrief Notes
1010 Fire Dept at Second Gate.
1013 Personnel accounted for
1000 loss of 12KV
1019 Fire trucks through gate
1023 Fire is out
1024 Drill concluded
1034 FCC - Chris - notified of fire drill concluded.
B:11 FCC
1004
2 fire vehicles 22 min station to gate
Personnel accounted for - 10



**ATTACHMENT #3, JOB SAFETY ANALYSIS**

SEQUENCE OF BASIC JOB STEPS OR ELEMENTS	POTENTIAL HAZARDS	PROBABILITY OF INCIDENT 1 TO 5	SEVERITY OF INCIDENT 1 TO 5	RISK INDEX	RECOMMENDED ACTION OR CONTROL
STEP DESCRIPTION/STEP ACTION	POSSIBLE RESULT OF STEP ACTION – SPECIFIC STEP HAZARD				
Performing Work Around Gasoline, HTF and/or Diesel.	Possible Exposure to Harmful Chemicals	1	5	5	-Proper PPE -Keeping Eyes on Task -Stay out of Line of Fire
Performing Work during Summer or in Temperatures >100°F	Heat Exhaustion or Heat Stroke – Working in Ambient Temperatures >100°F	2	5	10	-Proper PPE -Stay Hydrated -Take Frequent Breaks every 30 minutes -2 Person evolution -Radio Communication -Reference: Heat and Illness Prevention Plan
Work Area Access	Slips/ Trips/ Falls – Walking to Work Area Across Uneven Surfaces	2	3	6	-Proper PPE -Eyes on Path
Work Area Access	Insect Bites – Spiders/Insects inside Equipment Housing.	1	4	4	-Eyes on Path
Visual Inspection	Cuts - Equipment has Sharp Edges	2	2	4	-Proper PPE -Eyes on path -Eyes on task

## Section 34

### WORKER SAFETY-7 Payment to RCFD

*Annual payment to RCFD for the support of three fire department staff commencing with the date of site mobilization and continuing annually thereafter on the anniversary until the final date of power plant decommissioning.*

Proof of payment to County of Riverside follows

## Display Check Information

 Check recipient     Check issuer...     Accompanying docs     Payment document

Paying Company Code

6209 

Payment document no.

2000020639

### Bank details

House Bank



Bank Key



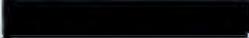
Account ID



Bank Account



Bank Name



City



### Check information

Check number

5000003308

Currency

USD

Payment date

03/01/2023

Amount paid

375,000.00

Check encashment

03/08/2023

Cash discount amount

0.00

### Check recipient

Name

COUNTY OF RIVERSIDE

City

PERRIS

Payee's country

US

Regional code

CA

## Section 35

### COMPLIANCE-5 – Compliance Matrix

**California Energy Commission  
Compliance Matrix 09-AFC-8**

<b>Condition of Certification</b>	<b>Title</b>	<b>Description</b>	<b>Status</b>
AQ-SC6	Fleet Plan for operations vehicles	Update Fleet Plan every other year. Submit the Fleet Plan with Annual Report.	Ongoing
AQ-SC8	Air permit submittals	Submit all modified or revised ATC/PTO documents and all federal air permits.	Ongoing
AQ-1	Equipment Operation, Application Requirements - NG boilers	Operate NG boilers in compliance with all data and specifications submitted with application.	Ongoing
AQ-2	Equipment fuel Use, Manufacturer Specifications - NG boilers	Fuel equipment only with NG. Operate and maintain in accordance with manufacturer recommendations.	Ongoing
AQ-3	Emissions limits, reporting - NG boilers	Emissions shall not exceed the following hourly emission limits (see full text)	Ongoing
AQ-3	Emissions limits, reporting - NG boilers	Submit emissions compliance documentation in Annual Compliance Report.	Ongoing
AQ-4	Maintenance and Operations Log - NG boilers	Maintain an operations log on-site and current for a minimum of five (5) years.	Ongoing
AQ-4	Maintenance and Operations Log - NG boilers	Make the site available to the District, ARB, and the Energy Commission for inspection of records.	Ongoing
AQ-7	Annual MDAQMD Compliance Test - NG boilers	Perform annual MDAQMD compliance tests.	Ongoing
AQ-7	Annual MDAQMD Compliance Test - NG boilers	Submit results report to the District no later than six weeks prior to the expiration date of this permit.	Ongoing
AQ-9	HTF Ullage/Exp. Tanks - HTF storage	Ullage tanks - This system shall store only HTF.	Ongoing
AQ-10	HTF Ullage/Exp. Tanks - Carbon absorption system	Monitor VOC output, sample weekly. Calibrate FID on day of use. Maintain log of weekly sampling results and keep log onsite. Provide sampling log to District upon request.	Ongoing
AQ-10	HTF Ullage/Exp. Tanks - Carbon absorption system	Operate ullage tanks system with the carbon adsorption system. [VOC and Benzene emissions cap, see full text]	Ongoing
AQ-10	HTF Ullage/Exp. Tanks - Carbon absorption system	Submit compliance documentation in Annual Compliance Report.	Ongoing
AQ-10	HTF Ullage/Exp. Tanks - Carbon absorption system	Submit a yearly summary report of all VOC emissions.	Ongoing
AQ-12	HTF Ullage/Exp. Tanks- Inspection, Maintenance and Monitoring Plan	Make the site available to the District, ARB, and the Energy Commission for inspection of records.	Ongoing
AQ-12	HTF Ullage/Exp. Tanks- Inspection, Maintenance and Monitoring Plan	Submit volume of HTF removed and added in Annual Report.	Ongoing
AQ-15	HTF Ullage/Exp. Tanks - Annual MDAQMD Compliance Testing and Reporting	Make the site available to the District, ARB, and the Energy Commission for inspection of records.	Ongoing
AQ-15	HTF Ullage/Exp. Tanks - Annual MDAQMD Compliance Testing and Reporting	Perform annual compliance tests in accordance with the MDAQMD Compliance Test Procedural Manual.	Ongoing
AQ-15	HTF Ullage/Exp. Tanks - Annual MDAQMD Compliance Testing and Reporting	Submit test results and report to the District no later than six weeks prior to the expiration date of this permit.	Ongoing
AQ-15	HTF Ullage/Exp. Tanks - Annual MDAQMD Compliance Testing and Reporting	Retain all annual test records for 5 yrs.	Ongoing
AQ-16	HTF Ullage/Exp. Tanks - Emission rate caps	Include Ullage/tank emission rate caps compliance documentation in Annual Report.	Ongoing
AQ-16	HTF Ullage/Exp. Tanks - Emission rate caps	Maintain emission rates below specified volumes.	Ongoing
AQ-17	HTF Ullage/Exp. Tanks - Regulated Substances	Submit a Compliance Plan of the toxic or hazardous substances if current non-criteria substances in the HTF become regulated as toxic or hazardous substances.	Ongoing
AQ-18	Equipment Operation, Application Requirements - Cooling Towers	Operate cooling towers in compliance with all data and specifications submitted in application.	Ongoing
AQ-19	Equipment Operation Manufacturer Specifications - Cooling Towers	Operate cooling towers in compliance with all manufacturer specifications.	Ongoing
AQ-20	Drift Eliminator Monitoring and Reporting - Cooling Towers	Comply with drift rate emissions cap (see full text).	Ongoing
AQ-20	Drift Eliminator Monitoring and Reporting - Cooling Towers	Submit compliance documentation on operating emission rates with Annual Report.	Ongoing
AQ-24	Maintenance and Operation Log - Cooling Tower	Maintain operations log onsite for 5 years.	Ongoing
AQ-24	Maintenance and Operation Log - Cooling Tower	Make site available for inspection of records and equipment by representatives of the District, ARB, and the Energy Commission.	Ongoing
AQ-25	Drift Eliminator Maintenance Procedures	Make available compliance documentation for inspection by representatives of the District, ARB, and the Energy Commission	Ongoing
AQ-26	Equipment Operation Manufacturer Specifications - 341HP generators	Operate generators in compliance with all manufacturer specifications.	Ongoing
AQ-27	Fuel Restrictions - 341 HP generators	Use only ultra-low sulfur diesel fuel. Retain fuel purchase records.	Ongoing
AQ-29	Operating Time Restrictions - 341 HP generators	Use limited to emergency power. Operate no more than 50hr/yr for testing and maintenance.	Ongoing
AQ-30	Operations and Maintenance log - 341 HP generators	Maintain a operations log for a minimum of two years.	Ongoing

**California Energy Commission  
Compliance Matrix 09-AFC-8**

<b>Condition of Certification</b>	<b>Title</b>	<b>Description</b>	<b>Status</b>
AQ-30	Operations and Maintenance log - 341 HP generators	Make records available to the District for three years.	Ongoing
AQ-30	Operations and Maintenance log - 341 HP generators	Submit compliance documentation in Annual Report.	Ongoing
AQ-30	Operations and Maintenance log - 341 HP generators	Make site and records available for inspection by representatives of the District, ARB, and the Energy Commission.	Ongoing
AQ-31	Voluntary Power Outage Use - 341 HP generators	Do not use generators during a voluntary power outage or reduction.	Ongoing
AQ-32	Involuntary Power Outage Use - 341 HP generators	Operate generators <30 minutes pt ordered outage. Shut down immediately after advised that the outage is no longer imminent or in effect.	Ongoing
AQ-33	ATCM Compliance - 341 HP generators	Operate and maintain equipment in accordance with ATCM for Stationary Compression Ignition Engines.	Ongoing
AQ-34	NSPS Compliance -341 HP generators	Operate and maintain equipment in compliance with requirements of the NSPS for Stationary Compression Ignition Internal Combustion Engines.	Ongoing
AQ-35	Equipment Specification Compliance - 315 HP fire pump engines	Install, operate and maintain equipment in accordance with manufacture recommendations and with all data and specifications submitted with permit application.	Ongoing
AQ-36	Fuel Restrictions - 315 HP fire pump engines	Use only ultra-low sulfur diesel fuel for equipment.	Ongoing
AQ-38	Operating time restrictions - 315 HP fire pump engines	Limit use for emergency power. Operate < 50hrs/yr for testing.	Ongoing
AQ-39	Operations and Maintenance log - 315 HP fire pump engines	Maintain an operations log for this unit current and on-site, for three years.	Ongoing
AQ-39	Operations and Maintenance log - 315 HP fire pump engines	Submit compliance documentation in Annual Report.	Ongoing
AQ-40	ATCM Compliance - 315 HP fire pump engines	Operate and maintain equipment in accordance with ATCM for Stationary Compression Ignition Engines.	Ongoing
AQ-41	NSPS Compliance - 315 HP fire pump engines	Operate and maintain equipment in compliance with requirements of the NSPS for Stationary Compression Ignition Internal Combustion Engines.	Ongoing
AQ-43	Gas tank and pump - inspection and maintenance records	Maintain an inspection, repair and maintenance log onsite for at least two years.	Ongoing
AQ-44	Gas tank and pump - piping or vapor recovery modifications	Submit any modification to the piping or control fitting of the vapor recovery system for review and approval.	Ongoing
AQ-45	Gas tank and pump - Vapor vent piping	Equip the vapor vent pipes with Husky 5885 pressure relief valves or as otherwise allowed by EO.	Ongoing
AQ-46	Gas tank and pump - initial and annual testing	Perform pressure, leak and liquid removal tests annually. Document test data on a Form similar to EO VR-401-A Form 1	Ongoing
AQ-46	Gas tank and pump - initial and annual testing	Perform pressure, leak and liquid removal tests within 60 days of construction completion. Document test data on a Form similar to EO VR-401-A Form 1	Ongoing
AQ-46	Gas tank and pump - initial and annual testing	Make test results available to CPM upon request.	Ongoing
AQ-46	Gas tank and pump - initial and annual testing	Submit passing test reports to District.	Ongoing
AQ-47	Gas tank and pump - aboveground tank and vapor recovery system compliance	Install and maintain aboveground storage tank and vapor recovery system in compliance with California Health and Safety Code.	Ongoing
AQ-48	Gas tank and pumps - certified technician	Maintenance and repair of system components shall be performed by OPW Certified Technicians.	Ongoing
AQ-49	Gas tank and pumps - maintenance intervals	Maintenance Intervals shall be conducted by an OPW trained technician annually.	Ongoing
AQ-51	Gas tank and pumps - EVR phase I and II	Maintain, and operate EVR Phase I in compliance with CARB Executive Order VR-401-A, and Phase II vapor recovery in accordance with G-70-116-F.	Ongoing
BIO-4	Biological Monitors - responsibilities	Employ a Bio Mon during operations if any action could affect a sensitive bio resource.	Ongoing
BIO-6	Worker Environmental Awareness Program (WEAP)	Conduct training annually for perm. Employees and within one week of arrival for new staff.	Ongoing
BIO-6	Worker Environmental Awareness Program (WEAP)	Conduct WEAP training to all onsite personnel within one week of arrival. Employees must sign a completion form and display a hardhat sticker. Keep all training forms on site.	Ongoing
BIO-6	Worker Environmental Awareness Program (WEAP)	Keep signed training forms on site for >6m after start of operations and 6m after staff dismissal.	Ongoing
BIO-13	Raven Management Plan	Include the status of the Raven Management Plan implementation in Jan 31 report during operations.	Ongoing
BIO-14	Weed Management Plan	Submit a status report of Weed Management Plan implementation in Jan 31 report during operation.	Ongoing
BIO-15	Pre-construction Nest Surveys and Avoidance Measures	Submit summary report of nest buffer zones in Jan 31 report during operations.	Ongoing
BIO-21	Evaporation Pond Netting and Monitoring	Submit quarterly reports to agencies for first year of operation. Thereafter, submit reports annually.	Ongoing
BIO-21	Evaporation Pond Netting and Monitoring	If after 12 quarterly inspections there are no entanglements, continue biannually (spring, fall).	Ongoing

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<b>Condition of Certification</b>	<b>Title</b>	<b>Description</b>	<b>Status</b>
BIO-21	Evaporation Pond Netting and Monitoring	Submit annual reports no later than January 31 of each year.	Ongoing
BIO-22	Mitigation for Impacts to State Waters	Provide a copy of Condition of Certification BIO-22 to all on-site personnel (detailing Stop Work Authorities).	Ongoing
BIO-22	Mitigation for Impacts to State Waters	Include a discussion of work in waters of the state in Annual Compliance Reports.	Ongoing
BIO-22	Mitigation for Impacts to State Waters	Drainage BMPs: Minimize road building, construction activities and vegetation clearing within ephemeral drainages to the extent feasible. Do not allow water containing mud, silt, or other pollutants from grading, aggregate washing, or other activities to enter ephemeral drainages or be placed in locations that may be subjected to high storm flows. Comply with all litter and pollution laws. Locate spoil sites at least 30 feet from the boundaries and drainages or in locations that may be subjected to high storm flows, where spoils might be washed back into drainages. Prevent hazMat from contaminating the soil and/or entering waters of the state. Do not place any material of any kind (including soil) into or capable of going into waters of the state. Remove excess material after operations is complete. Do not perform equipment maintenance within 150ft of a drainage.	Ongoing
BIO-23	Decommissioning and Closure Plan	Revise and submit Decommissioning and Closure Plan every 5yrs during operations.	Ongoing
BIO-24	Revegetation of Temporarily Disturbed Areas	Submit status report of Reveg Plan yearly.	Ongoing
HAZ-1	Hazardous Materials list of approved substances	Do not use hazmats not listed, or in quantities listed in App A.	Ongoing
HAZ-1	Hazardous Materials list of approved substances	Submit a list of haz mats contained at the facility in the Annual Compliance Report.	Ongoing
HAZ-3	Safety Management Plan for Hazardous Material	Implement Safety Management Plan.	Ongoing
HAZ-6	Operations Site Security Plan	Submit statement confirming all employee background checks are complete and appended to Security Plan as part of the Annual Compliance Report.	Ongoing
HAZ-6	Operations Site Security Plan	Submit verification Security Plan includes all current hazmat transport vendor certifications as part of the Annual Compliance Report.	Ongoing
NOISE-2	Noise Complaint Process	Document, investigate, evaluate, and attempt to resolve all project-related noise complaints.	Ongoing
NOISE-2	Noise Complaint Process	Contact individual making complaint.	Ongoing
NOISE-2	Noise Complaint Process	Submit the Noise Complaint Resolution Form.	Ongoing
NOISE-3	Noise Control Program	Make the Program available to OSHA upon request.	Ongoing
NOISE-4	Occupational Noise Survey	Make the report available to OSHA and Cal/OSHA upon request.	Ongoing
NOISE-4	Occupational Noise Survey	Submit report of survey findings.	Ongoing
Soil & Water-1	Drainage Erosion and Sedimentation Control Plan	Submit results of monitoring and maintenance activities in Annual Compliance Report.	Ongoing
Soil & Water-1	Drainage Erosion and Sedimentation Control Plan	Update and maintain the DESCPC for the life of the Project.	Ongoing
Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Submit documentation of monetary compensation to well owners.	Ongoing
Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	If GW levels are lowered >5ft due to Project pumping, provide compensation or mitigation to well owners.	Ongoing
Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Monitor quarterly operational parameters (i.e., pumping rate) of the water supply wells.	Ongoing
Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Fourth quarterly report serves as annual report. Include trend analysis. Determine where pumping has caused drawdown >5ft below baseline.	Ongoing
Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	If required, compensate landowners by March 31.	Ongoing
Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	If GW levels are lowered and pumps exposed, reimburse well owner to lower pumps. If pumps cannot be lowered, deepen the well(s) or construct new ones.	Ongoing
Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Collect water level measurements semi-annually after the first year.	Ongoing
Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	Submit monitoring reports, complaints, studies and data.	Ongoing
Soil & Water-3	Groundwater Well Impact Compensation	Provide compensation by March 31 of each year. (one time for lump sum payments).	Ongoing
Soil & Water-3	Groundwater Well Impact Compensation	Submit a report of compensation provided for increased energy costs.	Ongoing
Soil & Water-4	Project GW Wells, Pre-Well Installation	Submit to CPM two copies of all operational reports required by the County of Riverside and any changes to operations of well.	Ongoing
Soil & Water-5	Construction and Operation Water Use	Submit an annual report of water usage (g/month and total).	Ongoing
Soil & Water-5	Construction and Operation Water Use	GW use during operations must not exceed 202 afy	Ongoing

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<b>Condition of Certification</b>	<b>Title</b>	<b>Description</b>	<b>Status</b>
Soil & Water-6	Waste Discharge Requirements	Submit annual waste discharge permit fee associated with this facility to the Water Boards	Ongoing
Soil & Water-12	Non-Transient Non-Community Water System	Designate a CA Cert'd Water Treatment Plant Operator as well as the technical, managerial and financial requirements as prescribed by State law.	Ongoing
Soil & Water-12	Non-Transient Non-Community Water System	Submit updates annually for all monitoring requirements and submittals to County related to the permit, and proof of annual renewal of the operating permit.	Ongoing
Soil & Water-13	Channel Maintenance Program	Submit a Channel Maintenance Program Annual Report, Channel Maintenance Work Plan, and Lessons Learned with the Annual Compliance Report.	Ongoing
Soil & Water-16	Groundwater Production Monitoring	File an annual "Notice of Extraction and Diversion of Water" with the SWRCB. Include a copy of the Notice in the Annual Compliance Report.	Ongoing
TRANS-4	Hazmat Transport Permits/Licenses	Retain copies of hazardous material transport permits onsite for inspection.	Ongoing
VIS-1	Surface Treatment of Non-Mirror Project Structures and Buildings	Include a status report regarding surface maintenance in the Annual Compliance Report.	Ongoing
WASTE-9	Operation Waste Management Plan	Submit actual volume of waste generated and management methods used in each Annual Compliance Report.	Ongoing
WASTE-9	Operation Waste Management Plan	Update Operations Waste Management Plan as necessary.	Ongoing
WASTE-10	HTF Contaminated Soil Hazard assessment	Document all HTF releases. If > 42 gallons, notify agencies and provide analysis of results in accordance with WASTE-10.	Ongoing
WASTE-11	HAZMAT Waste Release/Spill Documentation and Corrective Actions	Submit release/spill documentation. If the release was reported, include agency communication.	Ongoing
WASTE-11	HAZMAT Waste Release/Spill Documentation and Corrective Actions	Document, clean up, and dispose of hazmat released > EPA's reportable quantities in accordance with federal, state, and local requirements.	Ongoing
Worker Safety-7	Riv Co Fire Department, Capital and Operating Costs Funding	Provide letter of credit in the amount of \$375,000 to RCFD annually.	Ongoing
Worker Safety-9	Riv Co Fire Dept Joint Training Exercises	Include joint exercise training documentation with the RCFD and other solar plants in the annual compliance report.	Ongoing
Worker Safety-9	Riv Co Fire Dept Joint Training Exercises	Host the annual training on a rotating yearly basis with the other solar power plants.	Ongoing
ELEC-1	CBO Submittal - Electrical Equipment and Systems	Retain approved final plant design plans and calculations onsite for the life of the project.	Ongoing
TSE-4	CBO Submittal - Power Plant Switchyard, Outlet Line and Termination Design Plans	Retain all plans, including changes, on site for one year after completion of construction.	Ongoing
TSE-8	Code Compliance	In case of non-conformance of Tline construction or operation, notify CPM and CBO and describe the corrective actions to be taken.	Ongoing
TSE-8	Code Compliance	Inspect transmission line to ensure conformance with applicable codes and standards.	Ongoing
COMPLIANCE-5	Compliance Matrix	Submit a compliance matrix with each monthly and annual compliance report	Ongoing
COMPLIANCE-7	Annual Compliance Reports	Submit Annual Compliance Reports instead of Monthly Compliance Reports.	Ongoing
COMPLIANCE-10	Planned Facility Closures	Submit a closure plan to the CPM.	Ongoing
Soil & Water-7	Septic System and Leach Field Reqs	Comply with County and State reqs for sanitary waste disposal facilities.	Ongoing
AQ-21	Drift Eliminator Monitoring and Reporting - Cooling Towers	Perform weekly conductivity tests of the blow down water. Provide to the District, ARB and the CEC	Ongoing
WASTE-6	Haz Waste Generator Identification Number	Submit documentation of any new or revised hazardous waste generation notifications in the following Monthly Compliance Report.	Ongoing
BIO-5	Designated Biologist and Biological Monitor Authority	Des Bio to notify agencies if there a stop work order.	Ongoing
BIO-11	Desert Tortoise Compliance Verification	Provide agencies with reasonable access to the Project site and compensation lands.	Ongoing
BIO-13	Raven Management Plan	Implement the approved Raven Management Plan.	Ongoing
BIO-16	Avian Protection Plan.	Report project-related bird deaths or injuries to agencies.	Ongoing
BIO-19	Special-Status Plant Impact Avoidance, Minimization and Compensation	Notify agencies immediately if a State- or Federal-Listed Species, or BLM Sensitive Species is identified at any time during the life of the Project.	Ongoing
BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Select, install and maintain ECDs such that special-status plants are not directly or indirectly affected (seed mixes, hay, runoff).	Ongoing
BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Designated Botanist: monitor disturbance activities weekly.	Ongoing
BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Des Bio: Protect special-status plant species within 100ft of Project Boundaries during operations.	Ongoing
BIO-19-A	Section A: Special-Status Plant Impact Avoidance, Minimization and Compensation	Maintain a 100-ft buffer around ESAs. (vehicles, wash stations, storage, equipment, etc)	Ongoing

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BIO-21	Evaporation Pond Netting and Monitoring	Report any dead wildlife to Des Bio <24hrs. Des Bio must report to agencies ,48hrs.	Ongoing
BIO-21	Evaporation Pond Netting and Monitoring	Consult with agency regarding removal of injured wildlife in evap ponds.	Ongoing
BIO-21	Evaporation Pond Netting and Monitoring	Des Bio or Monitor must inspect netting monthly during operation.	Ongoing
BIO-23	Decommissioning and Closure Plan	Implement a final Decommissioning and Closure Plan.	Ongoing
BIO-24	Revegetation of Temporarily Disturbed Areas	Implement Revegetation Plan.	Ongoing
CUL-11	Data Recovery for Large sites	Submit to CPM any draft research paper to be presented at a professional organization.	Ongoing
Soil & Water-2	GW Level Monitoring, Mitigation and Reporting	CPM to evaluate GW level monitoring program for necessity or modification every 5 years.	Ongoing
Soil & Water-6	Waste Discharge Requirements	Submit compliance documentation for the WDRs in Appendices B, C, & D.	Ongoing
Soil & Water-6	Waste Discharge Requirements	Submit all monitoring reports required by the WDRs and details of any nonconformance.	Ongoing
Soil & Water-13	Channel Maintenance Program	Supervise the implementation of a Channel Maintenance Program.	Ongoing
Soil & Water-13	Channel Maintenance Program	Ensure the Project Construction Manager receive training on the Channel Maintenance Program.	Ongoing
Soil & Water-14	Decommissioning and Closure Plan - Water and Wind Considerations	Submit amended Decommissioning Plans should the decommissioning scenario change in the future.	Ongoing
Soil & Water-15	Colorado River Flow Mitigation, Water Supply Plan	Implement Water Supply Plan mitigation measures.	Ongoing
Soil & Water-20	Groundwater Quality Monitoring and Reporting Plan	Monitor GW quality and levels semi-annually and submit data semi-annually.	Ongoing
TLSN-3	Combustible Material Inspections	Maintain Tline ROW free of combustible material.	Ongoing
VIS-2	Temporary and Permanent Exterior Lighting	Notify CPM of lighting complaint resolution/implementation.	Ongoing
VIS-2	Temporary and Permanent Exterior Lighting	Submit any received lighting complaints. Include proposal to resolve and schedule.	Ongoing
VIS-2	Temporary and Permanent Exterior Lighting	Submit a copy of complaint resolution report.	Ongoing
VIS-4	Reflective Glare Mitigation	Submit copy of complaint glare resolution form.	Ongoing
VIS-4	Reflective Glare Mitigation	Submit any glare complaints, including resolution and schedule.	Ongoing
VIS-4	Reflective Glare Mitigation	Notify CPM resolution/implementation for glare complaints.	Ongoing
WASTE-7	Waste Management-related Enforcement Action Notification	Notify CPM of an impending waste-management enforcement action and owners response/resolution.	Ongoing
GEN-3	CBO Payments	Submit payments to the CBO in accordance with the agreement between the project owner and the CBO.	Ongoing
COMPLIANCE-1	Unrestricted Access	Provide CEC staff and delegate agencies or consultants unrestricted access to the power plant site.	Ongoing
COMPLIANCE-2	Compliance Record	The project owner shall maintain project files on-site.	Ongoing
COMPLIANCE-2	Compliance Record	Energy Commission staff and delegate agencies shall be given unrestricted access to the files.	Ongoing
COMPLIANCE-3	Compliance Verification Submittals	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 or the project owner or his agent.	Ongoing
COMPLIANCE-8	Confidential Information	Submit confidential information to CEC Executive Director with a request for confidentiality.	Ongoing
COMPLIANCE-11	Unplanned Permanent Facility Closure	Submit an on-site contingency plan.	Ongoing
COMPLIANCE-12	Unplanned Permanent Facility Closure	In the event of an unplanned permanent closure, notify agencies take all necessary steps to implement the on-site contingency plan.	Ongoing
COMPLIANCE-13	Post Certification Changes to the Decision	Petition the Energy Commission to delete or change a condition of certification, modify the project design or operational requirements and/or transfer ownership of operational control of the facility.	Ongoing
BIO-2	Designated Biologist - responsibilities	Des Bio to submit bio compliance documentation through operations, unless approved by the CPM.	As Needed - Biologist on call
BIO-2	Designated Biologist - responsibilities	Submit BRMIMP compliance summary reports in Annual Compliance Report.	As Needed - Biologist on call
BIO-22	Mitigation for Impacts to State Waters	Include a copy of the notifying change of conditions report in the annual reports.	Supplied by Others
BIO-22	Mitigation for Impacts to State Waters	Include a copy of the notifying change of conditions report in the annual reports.	Supplied by Others
BIO-22	Mitigation for Impacts to State Waters	Submit a report of monitoring and management of compensation lands.	N/A funding in lieu of mitigation lands