

**DOCKETED**

<b>Docket Number:</b>	88-AFC-01C
<b>Project Title:</b>	Compliance - Application for Certification for LUZ Solar Electric Generating Systems Cogeneration Unit VIII
<b>TN #:</b>	241984
<b>Document Title:</b>	PWS 2 - SEGS VIII & IX 2021 CEC Annual Report
<b>Description:</b>	N/A
<b>Filer:</b>	Neal Davies
<b>Organization:</b>	Terra-Gen Operating Compnay
<b>Submitter Role:</b>	Applicant
<b>Submission Date:</b>	2/28/2022 3:17:14 PM
<b>Docketed Date:</b>	2/28/2022



Terra-Gen Operating Company, 43880 Harper Lake Road,  
Hinkley, CA 92347  
760-762-3100

February 28, 2022

John Heiser  
Compliance Project Manager  
California Energy Commission  
1516 Ninth Street, MS-2000  
Sacramento, CA 95814-5512

**Subject: 88-AFC-1 PWS 2 & 89-AFC-1 PWS 2 SEGS VIII and SEGS IX 2021 Annual Compliance Report**

Dear Mr. Heiser:

Enclosed is the Annual Compliance Report for the SEGS VIII and SEGS IX facilities at Harper Lake. The report includes compliance activities for the period of January 1, 2021 through December 31, 2021, per the revised Annual Reporting Requirements.

If you have any questions, or need additional information, please contact Neal Davies at (760) 762-3100, ext. 225.

Sincerely,

A handwritten signature in black ink, appearing to read "RFimbres", is written over a light blue horizontal line.

Robert Fimbres  
Site Manager  
LUZ Solar Partners  
VIII & IX

**2021**  
**ANNUAL COMPLIANCE REPORT**  
**SEGS VIII & IX**

**SUBMITTED TO**

CALIFORNIA ENERGY COMMISSION  
SACRAMENTO, CALIFORNIA

**PREPARED BY**

TERRA-GEN OPERATING COMPANY

**FOR**

LUZ SOLAR PARTNERS VIII & IX  
HARPER LAKE, CALIFORNIA

FEBRUARY 28, 2022

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# 2021 ANNUAL COMPLIANCE REPORT

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## 2021 ANNUAL COMPLIANCE REPORT

I. AIR QUALITY

SEGS VIII & IX

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### **Statement of Compliance with Air Quality Terms and Conditions of Certification**

#### **SEGS VIII & SEGS IX Statement of Compliance**

To the best of our knowledge and understanding, SEGS VIII and SEGS IX are in compliance with the Conditions of Certification related to air quality, except for those Conditions identified elsewhere in this report.



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Robert Fimbres  
Site Manager  
LUZ Solar Partners  
SEGS VIII & IX

## 2021 ANNUAL COMPLIANCE REPORT

I. AIR QUALITY

SEGS VIII & IX

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### Mojave Desert Air Quality Management District Correspondence

#### 2021 MDAQMD Correspondence Summary

<b>Date</b>	<b>Subject</b>
January	2020 Fourth Quarter Emissions Monitoring Report
February	Operating Permit Fees
April	2021 First Quarter Emissions Monitoring Report
July	2021 Second Quarter Emissions Monitoring Report
October	2021 Third Quarter Emissions Monitoring Report

## 2021 ANNUAL COMPLIANCE REPORT

I. AIR QUALITY

SEGS VIII & IX

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### **Mojave Desert Air Quality Management District HTF Heater Permit to Operate**

2021 SEGS VIII & SEGS IX Permit to Operate





## MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue, Victorville, CA 92392-2310  
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

### PERMIT TO OPERATE

B002013

Operation under this permit must be conducted in compliance with all information included with the initial application, initial permit condition, and conditions contained herein. The equipment must be maintained and kept in good operating condition at all times. This Permit to Operate or copy must be posted on or within 8 meters of equipment. If a copy is posted, the original must be maintained on site, available for inspection at all times.

**EXPIRES LAST DAY OF: MARCH 2022**

#### OWNER OR OPERATOR (Co. #603)

Luz Solar Partners LTD., VIII  
437 Madison Avenue 22nd Floor, Suite A  
New York, NY 10022

#### EQUIPMENT LOCATION (Fac. #975)

Harper Lake SEGS VIII  
43880 Harper Lake Road  
Hinkley, CA 92347

#### **Descriptions:**

HEATER, SEGS VIII HTF consisting of: A Kinetics Technology Inc. natural gas-fired heater with a maximum design heat input of 872 MMBTU/hr and including the following equipment (motors are added to the rating assuming 2550 Btu per horsepower):

#### **EQUIPMENT**

Capacity	Equipment Description
872	Heaters, Vertical Tube Box - Four (H-200, H-210, H-220 & H-230) each with 32 Alzeta Pyrocore radiant burners
2.04	Blowers, Forced Draft - Two (B-235 @ 300 hp & 1190 rpm; B-255 @ 500 hp @ 1200 rpm)
2.04	Fans, Induced Draft - Two (B-236 @ 300 hp & 885 rpm; B-256 @ 500 hp & 1190 rpm)
22.9	Pumps, HTF Var Freq - Three (P-300, P-310 & P-300) 3,000 hp each @ 1794 rpm
0.3	Pump, Freeze Protection - One (P-365) 100 hp @ 1775 rpm

#### **CONDITIONS**

1. The maximum hourly and daily emission limits (Reference letter from WZL, Inc. dated May 2, 1994, subject "Proposed Emission Limits for SEGS VIII and SEGS IX Heaters") for the following criteria pollutants are:

NOx - 81.2 lb/h (which is based on a ppmv of 67) but is not exceed 580 lbs in any one day.

CO - 248 lb/h (which is based on a ppmv of 350) but is not to exceed 550 lbs in any one day.

Fee Schedule: 2 (f)

Rating: 899280000 Btu

NAICS: 221118

SCC: 10100601

Location/UTM(Km):  
469E/3876N

This permit does not authorize the emission of air contaminants in excess of those allowed by law, including Division 26 of the Health and Safety Code of the State of California and the Rules and Regulations of the District. This permit cannot be construed as permission to violate existing laws, ordinances, statutes or regulations of this or other governmental agencies. This permit must be renewed by the expiration date above. If billing for renewal fee required by Rule 301(c) is not received by expiration date above, please contact the District.

Luz Solar Partners LTD., VIII  
43880 Harper Lake Road  
Hinkley, CA 92347

By: 

**Brad Poiriez**

Air Pollution Control Officer

PM10 - 5.2 lb/h but not to exceed 83.2 lb in any one day.

- a) The average hourly emission for NOx and CO shall be reported per the approved monitoring plan. The average hourly rate shall be the arithmetic average of four or more data points equally spaced over each 1-hour period.
- b) Daily emissions shall be reported based on the hourly emissions reported above.
- c) All PM emissions from these heaters shall be assumed to be 100% PM10.

2. The total annual emissions for NOx and CO when calculated on a rolling annual average shall not exceed the following:

NOx - 27.9 tons/year

CO - 26.5 tons/year

Compliance with this emission limit shall be determined by using CEMS data and calculating an arithmetic average of the previous 365 days (Day is defined as any 24-hour period beginning at midnight).

3. The daily emissions of NOx and CO and as well as O2 (a diluent gas) shall be monitored using a Continuous Emissions Monitoring System (CEMS) which shall be operating at all times in accordance with the District approval monitoring plan.

4. The following are the acceptability testing requirements for the CEMS:

- a) For NOx CEMS - Performance Specifications 2 of 40 CFR 60 Appendix B.
- b) For O2 CEMS - Performance Specification 3 of 40 CFR 60 Appendix B.
- c) For CO CEMS - Performance Specification 4 of 40 CFR Appendix B.

5. The following compliance tests are required and the emission limit given above shall not be exceeded:

- a) At least once every twelve (12) months: a compliance test for NOx (as NO2 in ppmv at 3% O2 & dry);
- b) At least once every twelve (12) months: a compliance test for CO (in ppmv at 3% O2 & dry);
- c) At least once every sixty (60) months: a compliance test to verify PM10 emissions rate, commencing in 1997. However, PM10 emission compliance testing may be required at the discretion of the District.

The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to [reporting@mdaqmd.ca.gov](mailto:reporting@mdaqmd.ca.gov)

6. Daily logs shall be maintained which include, but is not limited to, the following:

- a) Hours of operation/day;
- b) Dates of routine maintenance;
- c) Dates of major repairs and/or replacements;
- d) Natural gas use; and,
- e) Amount of HTF added to system.

7. Quarterly reports shall be provided to the District Compliance Supervisor in accordance with the District approved monitoring plan. All quarterly reports shall be postmarked by the 30th day following the end of each calendar quarter.



## MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

14306 Park Avenue, Victorville, CA 92392-2310  
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

### PERMIT TO OPERATE

B002016

Operation under this permit must be conducted in compliance with all information included with the Initial application, Initial permit condition, and conditions contained herein. The equipment must be maintained and kept in good operating condition at all times. This Permit to Operate or copy must be posted on or within 8 meters of equipment. If a copy is posted, the original must be maintained on site, available for inspection at all times.

**EXPIRES LAST DAY OF: MARCH 2022**

#### **OWNER OR OPERATOR (Co. #2427)**

Luz Solar Partners LTD., IX  
437 Madison Avenue, 22nd Floor, Suite A  
New York, NY 10022

#### **EQUIPMENT LOCATION (Fac. #3819)**

Harper Lake SEGS IX  
43880 Harper Lake Road  
Hinkley, CA 92347

#### **Descriptions:**

HEATER, SEGS IX HTF consisting of: A Kinetics Technology Inc., natural gas-fired heater with a maximum design heat input of 872 MMBtu/hr and including the following equipment (motors are added to the rating assuming 2550 Btu per horsepower):

#### **EQUIPMENT**

Capacity	Equipment Description
872	Heaters, Vertical Tube Box - Four (H-200, H-210, H-220 & H230) each with 32 Alzeta Pyrocore radiant burners
1.53	Blowers, Forced Draft - Two (B-235 & B-255) 300 bhp ea. @ 1190 rpm
1.53	Fans, Induced Draft - Two (B-236 & B256) 300 bhp ea. @885 rpm
22.95	Pumps, HTF Var. Freq - Three (P-300, P310 & P-300) 3,000 bhp ea @ 1794 rpm
0.3	Pumps, Freeze Protection - One (P-365) 100 bhp @ 1775 rpm

#### **CONDITIONS**

1. The maximum hourly and daily emission limits (Reference letter from WZI, Inc. dated May 2, 1994, subject "Proposed Emission Limits for SEGS VIII and SEGS IX Heaters") for the following criteria pollutants are:

Nox - 81.2 lb/h (which is based on a ppmv of 67) but is not exceed 580 lb in any one day.

CO - 248 lb/h (which is based on a ppmv of 350) but is not to exceed 550 lb in any one day.

Fee Schedule: 2 (f)

Rating: 898310000 Btu

NAICS: 221119

SCC: 10100601

Location/UTM(Km):  
469E/3876N

This permit does not authorize the emission of air contaminants in excess of those allowed by law, including Division 26 of the Health and Safety Code of the State of California and the Rules and Regulations of the District. This permit cannot be construed as permission to violate existing laws, ordinances, statutes or regulations of this or other governmental agencies. This permit must be renewed by the expiration date above. If billing for renewal fee required by Rule 301(c) is not received by expiration date above, please contact the District.

Luz Solar Partners LTD., IX  
43880 Harper Lake Road  
Hinkley, CA 92347

By:

  
Brad Poiriez

Air Pollution Control Officer

PM10 - 5.2 lb/h but not to exceed 83.2 lb in any one day.

- a) The average hourly emission for NOx and CO shall be reported per the approved monitoring plan. The average hourly rate shall be the arithmetic average of four or more data points equally spaced over each 1-hour period.
- b) Daily emissions shall be reported based on the hourly emissions reported above.
- c) All PM emissions from these heaters shall be assumed to be 100% PM10.

2. The total annual emissions for NOx and CO when calculated on a rolling annual average shall not exceed the following:

NOx - 27.9 tons/year

CO - 26.5 tons/year

Compliance with this emission limit shall be determined by using CEMS data and calculating an arithmetic average of the previous 365 days (Day is defined as any 24-hour period beginning at midnight).

3. The daily emissions of NOx and CO and as well as O2 (a diluent gas) shall be monitored using a Continuous Emissions Monitoring System (CEMS) which shall be operating at all times in accordance with the District approval monitoring plan.

4. The following are the acceptability testing requirements for the CEMS:

- a) For NOx CEMS - Performance Specifications 2 of 40 CFR 60 Appendix B.
- b) For O2 CEMS - Performance Specification 3 of 40 CFR 60 Appendix B.
- c) For CO CEMS - Performance Specification 4 of 40 CFR Appendix B.

5. The following compliance tests are required and the emission limit given above shall not be exceeded:

- a) At least once every twelve (12) months; a compliance test for NOx (as NO2 in ppmv at 3% O2 & dry);
- b) At least once every twelve (12) months; a compliance test for CO (in ppmv at 3% O2 & dry);
- c) At least once every sixty (60) months; a compliance test to verify PM10 emissions rate, commencing in 1997. However, PM10 emission compliance testing may be required at the discretion of the District.

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6. Daily logs shall be maintained which included, but is not limited to, the following:

- a) Hours of operation/day
- b) Dates of routine maintenance
- c) Dates of major repairs and/or replacements
- d) Natural gas use
- e) Amount of HTF added to system

7. Quarterly reports shall be provided to the District Compliance Supervisor in accordance with the District approved monitoring plan. All quarterly reports shall be postmarked by the 30th day following the end of each calendar quarter.

### **Dust Suppressant Application Verification**

#### 2021 Dust Suppressant Application

During the month of February 2021, Magnesium Chloride was applied to 15.5 miles of off-site dirt roads for annual PM10 mitigation. SEGS VIII was invoiced for 1.5 miles of road application. SEGS IX was invoiced for 14.0 miles of application.

**SOUTH WESTERN SEALCOATING, INC.**

Contractors Lic. No. #678645

23644 Adams Avenue  
Murrieta, California 92562

(951) 677-6228

**BILL OF LADING**

12795

• SOLD TO: TERRA GEN  
43880 HARPER LAKE RD.  
HINKLEY CA 92374

• SHIP TO:

SAMELoad Time: 0600Load Date: 5 FEB 21CARRIER: SWSDe. Time: 1400Del. Date: 5 FEB 21

ORIGIN NO.

RELEASE NO.

CARRIER BL.

CONTRACT APPLICATION  
OF  
MAGNESIUM CHLORIDE

METER READING U.S. GAL.

End. \_\_\_\_\_ GAL.

\*SEE ATTACHED BOL'SWeight Ticket # X

START \_\_\_\_\_ GAL.

Truck Lic. \_\_\_\_\_

GROSS LBS. \_\_\_\_\_

TOTAL \_\_\_\_\_ GAL.

Trailer Lic. \_\_\_\_\_

TARE LBS. \_\_\_\_\_

NET LBS. \_\_\_\_\_

Loaded By: FMENDOZARec. By: RFIMBRESTOTAL TONS 248.83PHONE  
CONFIRMATION**SOUTH WESTERN SEALCOATING, INC.**

Thank You

**Conditions of Certification – Air Quality Compliance****SEGS VIII & IX  
Conditions of Certification  
Air Quality Compliance**

To the best of our knowledge and understanding as attested to previously in this report, SEGS VIII and SEGS IX are in compliance with the Conditions of Certification relative to air quality with the following exceptions:

**SEGS VIII****Condition 1 – 1**

Information and records are not available pertaining to the submission of the required copies of bid specifications, installation schedules and purchase orders that were required for the low NOx burner installation at the SEGS III, IV, and V facilities.

**SEGS IX****Condition 1 – 3 (b)**

Routine source testing has been performed on the modified internal combustion engine and a copy submitted to the Mojave Desert Air Quality Management District.

**Condition 1 – 39**

Excess emissions cannot be calculated per 40 CFR 60.7 and 60.13 since heater operation does not satisfy the definition of a “boiler operating day” as contained in 40 CFR 60.41a. NOx emissions are being calculated on a 30-day rolling average.

## 2021 ANNUAL COMPLIANCE REPORT

### I. AIR QUALITY

### SEGS VIII & IX

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#### **Title V Permit**

The Title V Permit was issued by the Mojave Desert Air Quality Management District on October 26, 2016 and is set to expire on October 26, 2021.

After having a discussion with the Mojave Desert Air Quality Management District it was determined that the Title V Air Permit was no longer necessary. With the retirement of SEGS VIII and the sole purpose of the heaters at SEGS IX is for freeze protection, SEGS will never exceed limits required set by the Title V permit.



## 2021 ANNUAL COMPLIANCE REPORT

I. AIR QUALITY

SEGS VIII & IX

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### **Emission Testing – Newberry Springs**

Emission Test Report for Southern California Gas Newberry Springs Compressor Station Compressor Number 7 is available for review at:

**Mojave Desert Air Quality Management**

14306 Park Avenue

Victorville, CA 92392-2310

760-762-1661

## 2021 ANNUAL COMPLIANCE REPORT

### II. BIOLOGICAL RESOURCES / WASTE MANAGEMENT

### SEGS VIII & IX

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#### **Waste Contractors List and Agreements**

Luz Solar Partners VIII & IX have entered into contracts with the following listed transporters to provide transportation and disposal services for various hazardous and non-hazardous wastes. Luz Solar Partners VIII & IX does not directly contract with any hazardous waste disposal facilities.

Luz Solar Partners VIII & IX utilizes the San Bernardino County franchise trash collection service for all ordinary trash collection and disposal. As such there is no contract in place for this service and there is no accounting available as to the quantity shipped to the Barstow landfill.

Transportation companies with contracts in 2021:

Burrtec Waste Industries	Non-hazardous wastes
MP Environmental Services	Hazardous wastes
Nursery Products Services	Non-hazardous wastes
Asbury Environmental Services	Hazardous wastes
Desert Environmental Services	Hazardous / Non-hazardous Waste

All hazardous waste transporters listed above have active valid EPA identification numbers as well as current valid registration with the California Department of Toxic Substances Control (DTSC). Information regarding these permits is available on the DTSC website.

## 2021 ANNUAL COMPLIANCE REPORT

### II. BIOLOGICAL RESOURCES / WASTE MANAGEMENT

### SEGS VIII & IX

#### 2021 Non-Hazardous Waste Summary

<u>Waste Type</u>	<u>Quantity (Tons)</u>	<u>Disposal Method and Facility</u>	
Clarifier Sludge Cake	9.47	Recycle	Helendale, CA
Clarifier Sludge Cake	15.39	Recycle	Helendale, CA
Clarifier Sludge Cake	15.09	Recycle	Helendale, CA
Clarifier Sludge Cake	14.26	Recycle	Helendale, CA
Clarifier Sludge Cake	12.91	Recycle	Helendale, CA
Clarifier Sludge Cake	11.06	Recycle	Helendale, CA
Clarifier Sludge Cake	8.65	Recycle	Helendale, CA
Clarifier Sludge Cake	9.58	Recycle	Helendale, CA
Clarifier Sludge Cake	11.1	Recycle	Helendale, CA
Clarifier Sludge Cake	8.58	Recycle	Helendale, CA
Clarifier Sludge Cake	8.18	Recycle	Helendale, CA
Clarifier Sludge Cake	9.16	Recycle	Helendale, CA
Clarifier Sludge Cake	7.68	Recycle	Helendale, CA
Clarifier Sludge Cake	15.53	Recycle	Helendale, CA
Clarifier Sludge Cake	14.24	Recycle	Helendale, CA
Clarifier Sludge Cake	10.8	Recycle	Helendale, CA
Clarifier Sludge Cake	9.69	Recycle	Helendale, CA
Clarifier Sludge Cake	8.78	Recycle	Helendale, CA
Clarifier Sludge Cake	4.24	Recycle	Helendale, CA
Clarifier Sludge Cake	9.37	Recycle	Helendale, CA
Clarifier Sludge Cake	11.61	Recycle	Helendale, CA
Clarifier Sludge Cake	8.75	Recycle	Helendale, CA
Clarifier Sludge Cake	9.68	Recycle	Helendale, CA
Clarifier Sludge Cake	8.73	Recycle	Helendale, CA
Clarifier Sludge Cake	8.58	Recycle	Helendale, CA
Clarifier Sludge Cake	13.64	Recycle	Helendale, CA
Clarifier Sludge Cake	10.05	Recycle	Helendale, CA
Clarifier Sludge Cake	13.7	Recycle	Helendale, CA
Clarifier Sludge Cake	10.27	Recycle	Helendale, CA
Clarifier Sludge Cake	7.87	Recycle	Helendale, CA
Clarifier Sludge Cake	13.03	Recycle	Helendale, CA
Clarifier Sludge Cake	12.49	Recycle	Helendale, CA
Clarifier Sludge Cake	12.9	Recycle	Helendale, CA

## 2021 ANNUAL COMPLIANCE REPORT

### II. BIOLOGICAL RESOURCES / WASTE MANAGEMENT

### SEGS VIII & IX

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#### 2021 Non-Hazardous Waste Summary (continued)

Clarifier Sludge Cake	11.7	Recycle	Helendale, CA
Clarifier Sludge Cake	9.86	Recycle	Helendale, CA
Clarifier Sludge Cake	10.94	Recycle	Helendale, CA
Clarifier Sludge Cake	11.14	Recycle	Helendale, CA
Clarifier Sludge Cake	9.8	Recycle	Helendale, CA
Clarifier Sludge Cake	11.9	Recycle	Helendale, CA
Clarifier Sludge Cake	11.38	Recycle	Helendale, CA
Clarifier Sludge Cake	9.85	Recycle	Helendale, CA
Clarifier Sludge Cake	9.51	Recycle	Helendale, CA
Clarifier Sludge Cake	7.67	Recycle	Helendale, CA
Clarifier Sludge Cake	9.02	Recycle	Helendale, CA
Clarifier Sludge Cake	9.57	Recycle	Helendale, CA
Clarifier Sludge Cake	8.83	Recycle	Helendale, CA
Clarifier Sludge Cake	11.7	Recycle	Helendale, CA
Clarifier Sludge Cake	12.97	Recycle	Helendale, CA
Clarifier Sludge Cake	14.79	Recycle	Helendale, CA
Clarifier Sludge Cake	15.74	Recycle	Helendale, CA
Clarifier Sludge Cake	17.56	Recycle	Helendale, CA
Clarifier Sludge Cake	15.41	Recycle	Helendale, CA
Clarifier Sludge Cake	18.44	Recycle	Helendale, CA

## 2021 ANNUAL COMPLIANCE REPORT

### II. BIOLOGICAL RESOURCES / WASTE MANAGEMENT

### SEGS VIII & IX

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The following waste was generated during the course of normal operating conditions of the Site.

#### 2021 Hazardous Waste Summary

MATERIAL	ACT. QTY. [TONS]	DISPOSAL METHOD	DISPOSAL SITE
Cooling Tower Waste Liquid	8.2	Landfill	Wellton, AZ
Mirror Glass Contaminated With Lead	9.69	Landfill	Beatty, NV
Oil Contaminated Debris	0.44	Landfill	Buttonwillow, CA
Used oil	0.3	Recycle	Compton, CA
Mirror Glass Contaminated With Lead	9.13	Landfill	Beatty, NV
Oil Contaminated Debris	0.31	Landfill	Buttonwillow, CA
Mirror Glass Contaminated With Lead	9.75	Landfill	Beatty, NV
Oily Water with HTF	13.24	Recycle	Compton, CA
Used oil	0.3	Recycle	Compton, CA
Oil Contaminated Debris	0.62	Landfill	Buttonwillow, CA
Oil Contaminated Debris	1.02	Landfill	Buttonwillow, CA
Mirror Glass Contaminated With Lead	7.32	Landfill	Beatty, NV

The following waste was generated in 2021 during the decommissioning of SEGS VIII.

There were 268 loads of mirror glass contaminated with lead shipped to the landfill in Beatty, NV totaling 6,519.83 tons.

Please print or type.

3149

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>CAR00021575</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>760-762-3477</b>	4. Manifest Tracking Number <b>023878133 JJK</b>							
5. Generator's Name and Mailing Address <b>LUZ SOLAR PARTNERS</b> <b>43880 HARPER LAKE ROAD</b> <b>HINKLEY CA 92347</b>				Generator's Site Address (if different than mailing address)								
6. Transporter 1 Company Name <b>ECOLOGY AUTO PARTS INC</b>				U.S. EPA ID Number <b>CAR000272383</b>								
7. Transporter 2 Company Name				U.S. EPA ID Number								
8. Designated Facility Name and Site Address <b>US ECOLOGY INC NEVADA</b> <b>HIGHWAY 95</b> <b>BEATTY NV 89003</b>				U.S. EPA ID Number <b>NVT330010000</b>								
9a. HM				9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers No. Type	11. Total Quantity	12. Unit Wt/Vol.	13. Waste Codes			
GENERATOR ↓		X		1. <b>HAZARDOUS SOLID WASTE - LEAD</b> <b>HAZ CLASS 9, NA 3077, CLASS III</b>		1	DT	20	T	181		
TRANSPORTER ↓		T-1684 TRL 141										
DESIGNATED FACILITY ↓												

14. Special Handling Instructions and Additional Information  

US ECOLOGY PROFILE NO 070310242-0

15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.

Generator's/Officer's Printed/Typed Name <b>Neal Davies</b>		Signature <i>Neal Davies</i>	Month <b>11</b>	Day <b>3</b>	Year <b>21</b>
--	--	---------------------------------	--------------------	-----------------	-------------------

16. International Shipments ☐ Import to U.S. ☐ Export from U.S.
 

Port of entry/exit:  
 Date leaving U.S.:

17. Transporter Acknowledgment of Receipt of Materials		Signature	Month	Day	Year
Transporter 1 Printed/Typed Name <b>Marco Castro</b>		<i>[Signature]</i>	<b>11</b>	<b>3</b>	<b>21</b>
Transporter 2 Printed/Typed Name		Signature	Month	Day	Year

18. Discrepancy
 

18a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

18b. Alternate Facility (or Generator)
 

U.S. EPA ID Number

18c. Signature of Alternate Facility (or Generator)
 

Month Day Year

19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)
 

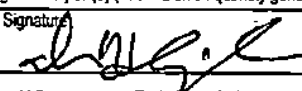
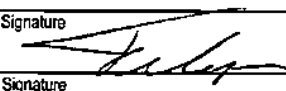
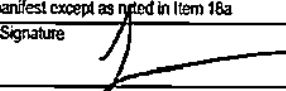
1. **H132**
2.
3.
4.

20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a
 

Printed/Typed Name  
**Sorge**
Signature  
*[Signature]*
Month Day Year  
**11 3 21**

Please print or type.

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>CAR 000 215715</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>760-762-3149</b>	4. Manifest Tracking Number <b>023878142-JJK</b>									
5. Generator's Name and Mailing Address <b>Lu2 Solar Partners 43880 Harper Lakewood Hinkley, Ca. 92347</b>			Generator's Site Address (if different than mailing address)											
6. Transporter 1 Company Name <b>Ecology Auto Parts Inc.</b>			U.S. EPA ID Number <b>CAR 000 272583</b>											
7. Transporter 2 Company Name			U.S. EPA ID Number											
8. Designated Facility Name and Site Address <b>US Ecology Inc. Nevada Highway 95 Beatty NV 89003</b>			U.S. EPA ID Number <b>NUT 33 0010000</b>											
Facility's Phone:														
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit WL/Vol.								
			No.	Type										
	X	1. Hazardous Waste Solid - LEAD HAZ CLASS 9, NA3077, CLASS III	1	DT	20	4								
		2.												
		3.												
		4. <b>7-1680 - 7R-142</b>		7:00 AM										
13. Waste Codes <table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width: 25%; text-align: center;">181</td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> <td style="width: 25%;"></td> </tr> <tr> <td style="text-align: center;">0008</td> <td></td> <td></td> <td></td> </tr> </table>							181				0008			
181														
0008														
14. Special Handling Instructions and Additional information <b>US Ecology Profile # 070310242-0</b>														
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.														
Generator's/Officer's Printed/Typed Name <b>Ivan Cunningham</b>														
Signature 														
Month Day Year <b>11 11 21</b>														
TRANSPORTER INT'L	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____													
	17. Transporter Acknowledgment of Receipt of Materials													
TRANSPORTER	Transporter 1 Printed/Typed Name <b>Felipe MORAN</b>			Signature 		Month Day Year <b>11 11 21</b>								
	Transporter 2 Printed/Typed Name			Signature		Month Day Year								
DESIGNATED FACILITY	18. Discrepancy													
	18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection													
	Manifest Reference Number:													
	18b. Alternate Facility (or Generator) U.S. EPA ID Number													
	Facility's Phone:													
	18c. Signature of Alternate Facility (or Generator) _____ Month Day Year													
	19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)													
	1. <b>H132</b>	2.	3.	4.										
	20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a													
	Printed/Typed Name <b>Serge Wnfo</b>			Signature 		Month Day Year <b>11 11 21</b>								

Please print or type.

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>CAR 000215715</b>		2. Page 1 of 1		3. Emergency Response Phone <b>(760) 762-3149</b>		4. Manifest Tracking Number <b>023883881 JJK</b>	
		5. Generator's Name and Mailing Address <b>Luz Solar Partners</b> <b>(760) 762-3149</b> <b>43880 Harper Lake road</b> <b>Hinkley, Ca. 92347</b>							
		6. Transporter 1 Company Name <b>Ecology Auto Parts, Inc.</b>		U.S. EPA ID Number <b>CAR 000272583</b>					
		7. Transporter 2 Company Name		U.S. EPA ID Number					
		8. Designated Facility Name and Site Address <b>US Ecology Inc. Nevada</b> <b>Highway 95</b> <b>Beatty, NV 89003</b>		U.S. EPA ID Number <b>NVT 330016000</b>					
		9a. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))		10. Containers		11. Total Quantity		12. Unit Wt/Vol.	
				No. Type				13. Waste Codes	
<b>GENERATOR</b>		1. <b>Hazardous Waste Solid-LEAD</b> <b>Haz Class 9, NA3077, Class III</b>		1		DT		20	
		2.						181 0008	
		3.							
		4. <b>T-1680 TR-142</b>		7		30		AM	
		14. Special Handling Instructions and Additional Information <b>US Ecology Profile # 070310242-0</b>							
		15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
		Generator's/Officer's Printed/Typed Name <b>Neal Davies</b>		Signature <i>Neal Davies</i>		Month <b>12</b>		Day <b>02</b>	
						Year <b>21</b>			
<b>TRANSPORTER INT'L</b>		16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____							
		17. Transporter Acknowledgment of Receipt of Materials							
		Transporter 1 Printed/Typed Name <b>Felipe MORAN</b>		Signature <i>Felipe</i>		Month <b>12</b>		Day <b>02</b>	
		Transporter 2 Printed/Typed Name		Signature		Month		Day	
						Year			
<b>DESIGNATED FACILITY</b>		18. Discrepancy							
		18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
		Manifest Reference Number: _____							
		18b. Alternate Facility (or Generator) U.S. EPA ID Number _____							
		Facility's Phone: _____							
		18c. Signature of Alternate Facility (or Generator)				Month <b>12</b>		Day <b>2</b>	
						Year <b>21</b>			
		19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
		1. <b>H132</b>		2.		3.		4.	
		20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
		Printed/Typed Name <b>Valery Cordova</b>		Signature <i>Valery Cordova</i>		Month <b>12</b>		Day <b>2</b>	
						Year <b>21</b>			



## 2021 ANNUAL COMPLIANCE REPORT

### II. BIOLOGICAL RESOURCES / WASTE MANAGEMENT

### SEGS VIII & IX

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#### **Hazardous Waste Storage**

Under Conditions of Certification WASTE-4 (VIII) and WASTE-5 (IX) Luz Solar Partners VIII & IX shall not store hazardous waste on site for more than 90 days unless they obtain an extension from California Department of Health Services (CDHS) or a permit as a storage facility. Jurisdiction over hazardous waste management no longer resides with the CDHS. The California Department of Toxic Substances Control (DTSC) is the state agency that now has jurisdiction in these matters and the agency empowered with the enforcement of the regulations is the San Bernardino County Fire Department, Hazardous Materials Division acting as the CUPA for San Bernardino County. Luz Solar Partners VIII & IX follows all applicable regulations regarding the storage of hazardous materials on site. No hazardous materials are stored on site for longer than 90 days unless allowed by LORS and Luz Solar Partners VIII & IX did not apply for a variance to hazardous waste regulations or applied for a permit as a storage facility during the 2021 calendar year.

## 2021 ANNUAL COMPLIANCE REPORT

II. BIOLOGICAL RESOURCES / WASTE MANAGEMENT

SEGS VIII & IX

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### 2021 Heat Transfer Fluid Waste Manifests

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>CAR000215715</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>(800) 424-9300</b>	4. Manifest Tracking Number <b>020315887 JJK</b>		
5. Generator's Name and Mailing Address <b>LUZ SOLAR PARTNERS VIII AND IX - HARPER LAKE R 43880 HARPER LAKE RD. HINKLEY CA 92347</b>				Generator's Site Address (if different than mailing address)			
Generator's Phone: <b>760 762-3100</b>							
6. Transporter 1 Company Name <b>WORLD OIL ENVIRONMENTAL SERVICES</b>				U.S. EPA ID Number <b>CAD028277036</b>			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address <b>WORLD OIL RECYCLING 2000 N. ALAMEDA STREET COMPTON CA 90222</b>				U.S. EPA ID Number <b>CAT080013352</b>			
Facility's Phone: <b>(310)537-7100</b>							
GENERATOR	9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers	11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
			No. Type				
		<b>1. NON-RCRA HAZARDOUS WASTE, LIQUID (OILY WATER)</b>	<b>001 TT</b>	<b>4200</b>	<b>G</b>	<b>223</b>	
		<b>2.</b>					
		<b>3.</b>					
	<b>4.</b>						
14. Special Handling Instructions and Additional Information <b>EMERGENCY CONTACT : CHEMTREC 1-800-424-9300 WOES TERMINAL COMPTON **APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT*</b>							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offoror's Printed/Typed Name <u>Ben Wilson</u> Signature <u>Ben Wilson</u> Month <u>7</u> Day <u>27</u> Year <u>21</u>							
INTL	16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
	Transporter signature (for exports only): _____						
TRANSPORTER	17. Transporter Acknowledgment of Receipt of Materials						
	Transporter 1 Printed/Typed Name <u>ISMAEL TRUJILLO</u> Signature <u>Ismael Trujillo</u> Month <u>07</u> Day <u>28</u> Year <u>21</u>		Transporter 2 Printed/Typed Name _____ Signature _____ Month _____ Day _____ Year _____				
DESIGNATED FACILITY	18. Discrepancy						
	18a. Discrepancy Indication Space <input checked="" type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
	<b>Reconciled quantity 3181 with Daisy of WOES</b> Manifest Reference Number: <b>07 8/4/21</b>						
	18b. Alternate Facility (or Generator) U.S. EPA ID Number _____						
	Facility's Phone: _____						
18c. Signature of Alternate Facility (or Generator) _____ Month _____ Day _____ Year _____							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. <b>H039</b>		2. _____		3. _____		4. _____	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name <u>Michael Santizo</u> Signature <u>Michael Santizo</u> Month <u>07</u> Day <u>29</u> Year <u>21</u>							

Please print or type.

PA16046

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number CAR000215715	2. Page 1 of 1	3. Emergency Response Phone 800 458-3036	4. Manifest Tracking Number 021782221 JJK		
5. Generator's Name and Mailing Address LUZ SOLAR PARTNERS 43880 HARPER LAKE HINKLEY CA 92347 Generator's Phone: 760 782 3100				Generator's Site Address (if different than mailing address)			
6. Transporter 1 Company Name MP Environmental Services				U.S. EPA ID Number CAT000624247			
7. Transporter 2 Company Name				U.S. EPA ID Number			
8. Designated Facility Name and Site Address CLEAN HARBORS BUTTOWMLOW 2500 WEST LOKERN RD BUTTOWMLOW CA 93208 Facility's Phone: 861 762-6200				U.S. EPA ID Number CAD980675276			
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes	
		No.	Type				
1.	NON RCRA HAZARDOUS WASTE SOLID (OIL, DEBRIS WITH THERMINOL)	001	CM	10	Y	352	
2.							
3.							
4.							
14. Special Handling Instructions and Additional Information 1) PROFILE # CH1785505B, DEBRIS, SOIL CONTAMINATED WITH THERMINOL Bin# WB2 SO#2100955772							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.							
Generator's/Offoror's Printed/Typed Name MANUEL F. Sanchez				Signature Manuel F. Sanchez		Month Day Year 2/23/21	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: Date leaving U.S.:							
17. Transporter Acknowledgment of Receipt of Materials							
Transporter 1 Printed/Typed Name Eddie Stewart				Signature Eddie Stewart		Month Day Year 2/23/21	
Transporter 2 Printed/Typed Name				Signature		Month Day Year	
18. Discrepancy							
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection							
Manifest Reference Number:							
18b. Alternate Facility (or Generator) U.S. EPA ID Number							
Facility's Phone:							
18c. Signature of Alternate Facility (or Generator)						Month Day Year	
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)							
1. 1132		2.		3.		4.	
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a							
Printed/Typed Name Edwardo Tachos				Signature Edwardo Tachos		Month Day Year 2/23/21	



<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>CAR000215715</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800 458-3036</b>	4. Manifest Tracking Number <b>021782425 JJK</b>	
5. Generator's Name and Mailing Address <b>LUZ SOLAR PARTNERS 43880 HARPER LAKE HINKLEY CA 92347</b>			Generator's Site Address (if different than mailing address)			
Generator's Phone: <b>760 782 3100</b>						
6. Transporter 1 Company Name <b>MP Environmental Services</b>			U.S. EPA ID Number <b>CAT000624247</b>			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address <b>CLEAN HARBORS BUTTONMILLOW 2500 WEST LOKERN RD BUTTONMILLOW CA 93208</b>			U.S. EPA ID Number <b>CAD980675276</b>			
Facility's Phone: <b>881 782-6200</b>						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		No.	Type			
	1. <b>NON RCRA HAZARDOUS WASTE SOLID (OIL, DEBRIS WITH THERMINOL)</b>	<b>001</b>	<b>CM</b>	<b>12</b>	<b>Y</b>	<b>352</b>
	2.					
	3.					
	4.					
14. Special Handling Instructions and Additional Information <b>1) PROFILE # CH1785505B, DEBRIS, SOIL CONTAMINATED WITH THERMINOL</b>						
<b>SO# 2104336924</b> <b>BIN# WB-2</b>						
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Officer's Printed/Typed Name <b>Neal Davies</b>			Signature <b>Neal Davies</b>		Month Day Year <b>8   27   21</b>	
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Date leaving U.S.: _____						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name <b>Randy Matthews</b>			Signature <b>Randy Matthews</b>		Month Day Year <b>08   27   21</b>	
Transporter 2 Printed/Typed Name			Signature		Month Day Year	
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number: _____						
18b. Alternate Facility (or Generator) U.S. EPA ID Number						
Facility's Phone: _____						
18c. Signature of Alternate Facility (or Generator) Month Day Year						
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1. <b>H132</b>		2.		3.		4.
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name <b>John W. Davis</b>			Signature <b>John W. Davis</b>		Month Day Year <b>08   27   21</b>	



TRU# 780-PA04645  
TRU# 3852-4NK9115

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UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number C A R D 0 0 2 1 5 7 1 5	2. Page 1 of 1	3. Emergency Response Phone 800 458-3036	4. Manifest Tracking Number 021782455 JJK				
5. Generator's Name and Mailing Address LUZ SOLAR PARTNERS 43880 HARPER LAKE HINKLEY CA 92347		Generator's Site Address (if different than mailing address)							
Generator's Phone: 780 782 3100									
6. Transporter 1 Company Name MP Environmental Services		U.S. EPA ID Number C A T 0 0 0 6 2 4 2 4 7							
7. Transporter 2 Company Name		U.S. EPA ID Number							
8. Designated Facility Name and Site Address CLEAN HARBORS BUTTONWILLOW 2500 WEST LOKERN RD BUTTONWILLOW CA 93206		U.S. EPA ID Number C A D 9 8 0 6 7 5 2 7 8							
Facility's Phone: 861 782-8200									
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes			
		No.	Type						
		1. NON RCRA HAZARDOUS WASTE SOLID (OIL, DEBRIS WITH THERMINOL)	0 0 1	CM	15	Y	352		
		2.							
		3.							
4.									
14. Special Handling Instructions and Additional Information		1) PROFILE # CH1785505B, DEBRIS, SOIL CONTAMINATED WITH THERMINOL  BIN + WBI 50# 2102693829							
15. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.									
Generator's/Offor's Printed/Typed Name Ivan Cunningham		Signature 		Month Day Year 05/26/21					
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S.		Port of entry/exit: Date leaving U.S.:							
Transporter signature (for exports only):									
17. Transporter Acknowledgment of Receipt of Materials									
Transporter 1 Printed/Typed Name Grey Moore		Signature 		Month Day Year 05/26/21					
Transporter 2 Printed/Typed Name		Signature		Month Day Year					
18. Discrepancy									
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection									
Manifest Reference Number:									
18b. Alternate Facility (or Generator)		U.S. EPA ID Number							
Facility's Phone:									
18c. Signature of Alternate Facility (or Generator)		Month Day Year							
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)									
1. H132		2.		3.		4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a									
Printed/Typed Name Humberto Diaz		Signature 		Month Day Year 5/26/21					

Please print or type.

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S# 2106206660

Form Approved. OMB No. 2050-0039

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator ID Number <b>CAR000215715</b>	2. Page 1 of <b>1</b>	3. Emergency Response Phone <b>800 458-3036</b>	4. Manifest Tracking Number <b>021783694 JJK</b>	
5. Generator's Name and Mailing Address <b>LUZ SOLAR PARTNERS 43880 HARPER LAKE HINKLEY CA 92347</b>			Generator's Site Address (if different than mailing address)			
Generator's Phone: <b>760 762-3100</b>						
6. Transporter 1 Company Name <b>MP Environmental Services</b>			U.S. EPA ID Number <b>CAT000624247</b>			
7. Transporter 2 Company Name			U.S. EPA ID Number			
8. Designated Facility Name and Site Address <b>CLEAN HARBORS BUTTONWILLOW 2500 WEST LOKERN RD BUTTONWILLOW CA 93206</b>			U.S. EPA ID Number <b>CAD980675276</b>			
Facility's Phone: <b>861 762-6200</b>						
9a. HM	9b. U.S. DOT Description (including Proper Shipping Name, Hazard Class, ID Number, and Packing Group (if any))	10. Containers		11. Total Quantity	12. Unit Wt./Vol.	13. Waste Codes
		No.	Type			
	1. <b>NON RCRA HAZARDOUS WASTE SOLID (OIL, DEBRIS WITH THERMINOL)</b>	<b>1</b>	<b>CM</b>	<b>10</b>	<b>Y</b>	<b>352</b>
	2.					
	3.					
	4.					
14. Special Handling Instructions and Additional Information <b>1) PROFILE # CH1785505B, DEBRIS, SOIL CONTAMINATED WITH THERMINOL</b>						
15. <b>GENERATOR'S/OFFEROR'S CERTIFICATION:</b> I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations. If export shipment and I am the Primary Exporter, I certify that the contents of this consignment conform to the terms of the attached EPA Acknowledgment of Consent. I certify that the waste minimization statement identified in 40 CFR 262.27(a) (if I am a large quantity generator) or (b) (if I am a small quantity generator) is true.						
Generator's/Offeror's Printed/Typed Name <b>Neal Davies</b>		Signature <i>Neal Davies</i>		Month Day Year <b>12 10 21</b>		
16. International Shipments <input type="checkbox"/> Import to U.S. <input type="checkbox"/> Export from U.S. Port of entry/exit: _____ Transporter signature (for exports only): _____ Date leaving U.S.: _____						
17. Transporter Acknowledgment of Receipt of Materials						
Transporter 1 Printed/Typed Name <b>STEVE JONES</b>		Signature <i>Steve Jones</i>		Month Day Year <b>12 10 21</b>		
Transporter 2 Printed/Typed Name		Signature		Month Day Year		
18. Discrepancy						
18a. Discrepancy Indication Space <input type="checkbox"/> Quantity <input type="checkbox"/> Type <input type="checkbox"/> Residue <input type="checkbox"/> Partial Rejection <input type="checkbox"/> Full Rejection						
Manifest Reference Number: _____						
18b. Alternate Facility (or Generator)				U.S. EPA ID Number		
Facility's Phone: _____						
18c. Signature of Alternate Facility (or Generator)				Month Day Year		
19. Hazardous Waste Report Management Method Codes (i.e., codes for hazardous waste treatment, disposal, and recycling systems)						
1. <b>H132</b>	2.	3.	4.			
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						
Printed/Typed Name <b>Dan House</b>		Signature <i>Dan House</i>		Month Day Year <b>12 10 21</b>		

## 2021 ANNUAL COMPLIANCE REPORT

### II. BIOLOGICAL RESOURCES / WASTE MANAGEMENT

### SEGS VIII & IX

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#### **Heat Transfer Fluid Shipments**

There were no HTF shipments to the SEGS VIII and IX facilities in 2021.



## 2021 ANNUAL COMPLIANCE REPORT

II. BIOLOGICAL RESOURCES / WASTE MANAGEMENT

SEGS VIII & IX

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### **BLM Habitat Well Water Usage**

**Annual Verification Report Form**  
**and**  
**Invoice for Administrative & Biological Assessments**  
**4th Quarter (July 1 - September 30)**  
**2020-21 Water Year**

Account Number: HAR004P	Subarea: Centro	Free Production Allowance (FPA): 1,004 Ac-ft
		Prior Year Carryover: 1,075 Ac-ft
Harper Lake Company VIII		FPA Transfers In: 0 Ac-ft
		FPA Transfers Out: 0 Ac-ft
43880 Harper Lake Road		Carryover Transfers In: 0 Ac-ft
		Carryover Transfers Out: 0 Ac-ft
Hinkley, CA 92347		<b>Total Adjusted FPA: 2,079 Ac-ft</b>

State Well Number	Local Well Designation	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter Production	Current Well Status*	Estimated Annual Production
11N04W19E01	WELL #34	0.00	0.00	0.00	Ø	T	Ø
11N04W19E02	WELL #35	97.52	90.27	165.69	159.56	A	513.04
11N04W19J01	WELL #40	12.35	11.21	110.08	63.05	A	196.69
11N04W19Q02	WELL #36	2.37	1.60	2.20	3.09	A	9.26
11N04W28R01	BLM Habitat Well	0.00	0.00	0.00	Ø	I	Ø
11N04W28R02	BLM Habitat Well #02	15.46	2.22	20.51	17.69	A	55.88
11N05W24L01	WELL #37	0.00	0.00	0.00	Ø	I	Ø
11N05W24P02	WELL #38	0.00	0.00	0.00	Ø	I	Ø
11N05W24Q02	WELL "D"	0.00	0.00	0.00	Ø	I	Ø
<b>Totals:</b>		127.70	105.30	298.48	243.39	Ac-Ft	774.87

\* A=Active  
 I=Inactive  
 S=Sold  
 D=Destroyed  
 L=Leased  
 B=Abandoned  
 U=Unknown  
 M=Monitoring  
 T=Standby

Administrative Assessment @ \$ 3.55 per Ac-Ft      \$ 864.03  
 (Production x \$ 3.55)

Biological Assessment @ \$ 0.96 per Ac-Ft      \$ 233.65  
 (Production x \$ 0.96)

**Total Amount Due      \$ 1,097.68**

Please indicate in the space below, the contact person you wish to receive all Watermaster mailings and their address.

<u>Neal Davies</u>	<u>43880 Harper Lake Road</u>
Contact	Mailing Address
<u>760-762-3100 x 225</u>	<u>HINKLEY CA 92347</u>
Phone	City State Zip Code

I declare under penalty of perjury that the foregoing information is true and correct:

<u>Neal Davies</u>	<u>Terra-Gen Operating Company</u>
Individual	Company
<u>10-4-2021</u>	<u>Neal Davies</u>
Date	Company Agent
	<u>10-4-2021</u>
	Date

Payment is due and payable October 31, 2021.

Please attach a check to the top copy and return in the enclosed envelope with proper postage.

A charge of 1.25% per month or portion thereof will be assessed to any account past due.

If not received by October 31, 2021 your assessments will be calculated as if 25% of your Base Annual Production was produced.

Please make any corrections and/or additions on this page and attach supporting documentation.

## 2021 ANNUAL COMPLIANCE REPORT

II. BIOLOGICAL RESOURCES / WASTE MANAGEMENT

SEGS VIII & IX

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### **2021 BRMIP Statement of Compliance**



CARLSBAD  
CLOVIS  
IRVINE  
LOS ANGELES  
PALM SPRINGS  
POINT RICHMOND  
RIVERSIDE  
ROSEVILLE  
SAN LUIS OBISPO

January 31, 2022

Neal Davies  
Terra-Gen Operating Company  
43880 Harper Lake Road  
Hinkley, CA 92347

Subject: Biological Resources Mitigation Implementation Plan (BRMIP) Compliance

Dear Mr. Davies:

The Solar Energy Generating Systems (SEGS) VIII and IX facilities conducted all activities from January 1, 2021, to December 31, 2021, in compliance with the approved Biological Resources Mitigation Implementation Plan (BRMIP) and the portions of the California Energy Commission decision pertinent to biological resources.

Sincerely,

**LSA Associates, Inc.**

A handwritten signature in blue ink that reads 'Richard A. Erickson'.

Richard A. Erickson  
Designated Biologist

## 2021 ANNUAL COMPLIANCE REPORT

### III. TRANSMISSION LINE SAFETY AND NUISANCE

### SEGS VIII & IX

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#### CONDITIONS OF CERTIFICATION

##### SEGS VIII and IX

##### Condition 4

LUZ Solar Partners VIII and IX received no complaints from property owners or the public regarding problems due to induced voltages on vehicles, portable objects, metallic roofs, metallic building sidings, gutters, fences, irrigation equipment or other objects within the right-of-way for the calendar year 2021.

##### Condition 5

LUZ Solar Partners VIII and IX received no complaints of radio and television interference attributed to the transmission line facilities for the calendar year 2021.

##### Condition 6

LUZ Solar Partners VIII and IX maintained each transmission line pole site free of waste material and rubbish for the calendar year 2021.

## 2021 ANNUAL COMPLIANCE REPORT

### III. TRANSMISSION LINE SAFETY AND NUISANCE

SEGS VIII & IX

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#### **Transmission Line Inspection**

##### 2021 Inspection

The transmission line between the Harper Lake facilities and Kramer Junction was inspected in April 2021. The transmission line poles were free of waste material and rubbish.

## 2021 ANNUAL COMPLIANCE REPORT

### IV. DIESEL FUEL DATA

SEGS VIII & IX

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#### **Diesel Fuel Data**

2021 Diesel Fuel Purchases provided under separate cover.

## 2021 ANNUAL COMPLIANCE REPORT

V. QUALIFYING FACILITY STATUS

SEGS VIII & IX

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### 2021 Facility Status

#### SEGS VIII

**Power Output**

90,164 Gross MWh

**Primary Energy**

1,064,933 mmbtu

**Natural Gas Use**

1,925 mmbtu

#### SEGS IX

**Power Output**

129,603 Gross MWh

**Primary Energy**

1,486,141 mmbtu

**Natural Gas Use**

8,789 mmbtu



# 2021 ANNUAL COMPLIANCE REPORT

V. QUALIFYING FACILITY STATUS

SEGS VIII & IX

## Power Plant Reliability

### SEGS VIII - 2020 Production Data

	Net Electrical Production  (MWh)	Monthly Capacity Factors			Plant Availability
		On- Peak	Mid- Peak	Off- Peak	
Jan	760		92.5%	11.1%	100%
Feb	5,968		39.4%	3.6%	100%
Mar	10,709		69.3%	6.9%	100%
Apr	14,253		88.0%	8.1%	100%
May	15,050		81.6%	10.4%	87%
Jun	8,610	32.3%	16.0%	8.5%	100%
Jul	7,585	34.7%	54.6%	5.2%	100%
Aug	9,405	43.8%	72.5%	6.2%	100%
Sep	7,242	34.6%	47.1%	5.8%	100%
Oct	2,740		11.7%	2.7%	100%
Nov	0				
Dec	0				
Year	82,322				99%

### SEGS IX - 2020 Production Data

	Net Electrical Production  (MWh)	Monthly Capacity Factors			Plant Availability
		On- Peak	Mid- Peak	Off- Peak	
Jan	453		91.3%	11.7%	100%
Feb	5,478		35.0%	3.7%	78%
Mar	10,299		63.9%	7.3%	100%
Apr	11,713		70.3%	7.1%	100%
May	18,649		98.8%	13.5%	100%
Jun	13,400	48.5%	22.4%	15.1%	88%
Jul	12,329	59.0%	83.8%	8.5%	100%
Aug	15,613	77.0%	106.2%	10.3%	100%
Sep	12,312	59.8%	80.8%	9.6%	100%
Oct	7,931		40.5%	6.1%	100%
Nov	5,464		32.1%	3.5%	100%
Dec	2,281		13.0%	1.4%	71%
Year	115,922				95%

**2021 ANNUAL COMPLIANCE REPORT**  
**SEGS VIII & IX**

**VI. CONDITIONS OF CERTIFICATION**

**Compliance Matrix**

<b>COMPLIANCE REQUIREMENTS FOR SEGS VIII &amp; SEGS IX</b>				
<b>Date: February 07, 2016</b>				
<b>CONDITION</b>	<b>ISSUE</b>	<b>SUBMIT TO</b>	<b>PERMIT REQUIREMENTS</b>	<b>STATUS</b>
<b>AIR QUALITY</b>				
AQ 1-1 IX AQ 1-1 VIII	Restrict heater NO <sub>x</sub> emissions <328.5 lb/day Low NO <sub>x</sub> burners		Effective 6/1/92  Install low NO <sub>x</sub> burners	Deleted May 10, 2001  Complete
AQ 1-2 IX AQ 1-2 VIII	NO <sub>x</sub> emission controls to Southern Cal Gas engines NO <sub>x</sub> emissions	CEC CPM	Must be modified by 6/1/91  Monitor NO <sub>x</sub> emissions at III, IV & VIII. Submit Quarterly Compliance Reports.	Complete  Deleted May 10, 2001
AQ 1-3b IX	Tests of modified engines	MDAQMD CPM	Source tests for modified engines	Ongoing Currently under review
AQ 1-3, AQ1-4 VIII AQ 1-4b IX	PM10 control	CEC CPM	Provide PM10 control plan & mitigation Treat roads with magnesium chloride as needed for fugitive dust control	Complete  MgCl applied to Hoffman, Lockhart & Santa Fe Roads
AQ 1-5	Revised PM10 emission limit		Revise PM10 limits after workshop	Complete

**2021 ANNUAL COMPLIANCE REPORT**  
**SEGS VIII & IX**

**VI. CONDITIONS OF CERTIFICATION**

<b>COMPLIANCE REQUIREMENTS FOR SEGS VIII &amp; SEGS IX</b>				
<b>Date: February 07, 2016</b>				
<b>CONDITION</b>	<b>ISSUE</b>	<b>SUBMIT TO</b>	<b>PERMIT REQUIREMENTS</b>	<b>STATUS</b>
AQ1-6	PM10 control		Treat roads with magnesium chloride	See AQ 1-4
AQ 1-7	Source test protocol for cooling tower		Submit protocol for measuring PM101	Complete
AQ 1-8	Test requirements for cooling tower		Comply with requirements in cooling tower source tests	Complete
AQ 1-10	Collect SEGS VIII data, NO <sub>x</sub> >300 lb/day data collection		Report occasions when NO <sub>x</sub> >300 lb/day from 3/1/90 to 12/31/92	Complete
AQ 1-11 VIII & IX	Applicable district rules	CEC	Comply with all applicable rules of SBCAPCD Annual report	Ongoing Ongoing
AQ 1-12 VIII & IX	Other applicable rules	CEC	Compliance with applicable federal and State rules Quarterly report	Ongoing Ongoing
AQ 1-13 VIII & IX	Permit conditions	MDAQMD CEC	Any changes to MDAQMD required emission controls subject to review	Ongoing, as required
AQ 1-14 VIII & IX	BACT requirement	MDAQMD	Specifies emission limits	Ongoing
AQ 1-15 VIII & IX	Design changes	MDAQMD CEC	Modification to heaters requires MDAQMD approval	Ongoing, as required

**2021 ANNUAL COMPLIANCE REPORT**  
**SEGS VIII & IX**

**VI. CONDITIONS OF CERTIFICATION**

<b>COMPLIANCE REQUIREMENTS FOR SEGS VIII &amp; SEGS IX</b>				
<b>Date: February 07, 2016</b>				
<b>CONDITION</b>	<b>ISSUE</b>	<b>SUBMIT TO</b>	<b>PERMIT REQUIREMENTS</b>	<b>STATUS</b>
AQ 1-19 VIII & IX	Malfunction / Breakdown Provisions	MDAQMD	Promptly notify MDAQMD of any violations	Ongoing
AQ 1-20 VIII & IX	Right to Entry	MDAQMD CARB, EPA, CEC	Permit authorized personnel to enter for inspection. Have records available for inspection.	Ongoing
AQ 1-21 VIII & IX	Transfer of Ownership	MDAQMD CEC	Notify by letter succeeding owners & operators that the Commission Decision\Permit to Operate is binding on all subsequent owners & operators	Ongoing, as required
AQ 1-23	Emission limits during installation and testing		Use best heater operation Approval for heater test >16 hours Verify 25 ppm by source test If NO <sub>x</sub> emissions above lbs/day limit 1. Submit plan for approval 2. Implement changes	Complete  PTO modified
AQ 1-24 VIII & IX	Operational phase	MDAQMD	Restrict heater consumption to no more than 9.5x10 <sup>6</sup> therms Operate cooling tower <4,000 hrs/yr Perform heater compliance testing annually Submit gas use data & circ water pump daily hrs of operation in quarterly report Submit results of Heaters Compliance Testing in Annual Compliance Report	Deleted May 10, 2001  Ongoing Ongoing  Ongoing

**2021 ANNUAL COMPLIANCE REPORT**  
**SEGS VIII & IX**

**VI. CONDITIONS OF CERTIFICATION**

<b>COMPLIANCE REQUIREMENTS FOR SEGS VIII &amp; SEGS IX</b>				
<b>Date: February 07, 2016</b>				
<b>CONDITION</b>	<b>ISSUE</b>	<b>SUBMIT TO</b>	<b>PERMIT REQUIREMENTS</b>	<b>STATUS</b>
			along with daily Heaters Nat Gas consumption and Cooling Tower Fans' daily hrs of operation.	
AQ 1-25	Fuel use		Use only commercial grade natural gas as fuel	Ongoing
AQ 1-26 VIII & IX	Opacity limits	MDAQMD	Monitor visible emissions	Ongoing
AQ 1-27	CEMS		Submit CEMS plan for approval Order and install CEMS Certification test; cylinder gas audit and RATA tests Test report	Complete Complete Ongoing  Ongoing
AQ 1-28 VIII & IX	Compliance test	MDAQMD CEC	Submit revised plan for approval Conduct test Test particulates every fifth year	Ongoing
AQ 1-29 VIII & IX	Monitoring plan\ Reporting requirements	MDAQMD CEC CPM	Have a Monitoring Plan. Submit quarterly reports to MDAQMD Daily NO <sub>x</sub> emissions in ppm and lbs/hr Quarterly total tons emitted for NO <sub>x</sub> based on CEMS data	Ongoing

**2021 ANNUAL COMPLIANCE REPORT**  
**SEGS VIII & IX**

**VI. CONDITIONS OF CERTIFICATION**

<b>COMPLIANCE REQUIREMENTS FOR SEGS VIII &amp; SEGS IX</b>				
<b>Date: February 07, 2016</b>				
<b>CONDITION</b>	<b>ISSUE</b>	<b>SUBMIT TO</b>	<b>PERMIT REQUIREMENTS</b>	<b>STATUS</b>
			Quarterly total tons for particulate and CO based on compliance test and fuel consumption Number of exceedances of permit limits, the corresponding maximum & duration of each exceedance Rolling average NO <sub>x</sub> emissions for HTF heaters, diesel generators, diesel fire pumps When CEMS data is missing, use previous 24 hours of NO <sub>x</sub> emission data Records of fuel oil purchase, sulfur content, quantity and Btu content Natural gas consumption Submit annual reports to CEC Send quarterly reports to MDAQMD	
AQ 1-30 VIII & IX	Operating logs	MDAQMD CARB CEC	Maintain daily operating logs & charts on-site; retain for 1 year	Ongoing
AQ 1-31	Air monitoring		Monitor air quality and submit data Obtain approval to cease	Complete
AQ 1-32	Fugitive dust controls		Comply with MDAQMD 401, 402 & 403. Have an approved Dust Control Plan.	Ongoing
AQ 1-33		MDAQMD		Ongoing

**2021 ANNUAL COMPLIANCE REPORT**  
**SEGS VIII & IX**

**VI. CONDITIONS OF CERTIFICATION**

<b>COMPLIANCE REQUIREMENTS FOR SEGS VIII &amp; SEGS IX</b>				
<b>Date: February 07, 2016</b>				
<b>CONDITION</b>	<b>ISSUE</b>	<b>SUBMIT TO</b>	<b>PERMIT REQUIREMENTS</b>	<b>STATUS</b>
VIII & IX	Diesel Gen Set & Fire Pump: Use low sulfur diesel, submit records	CEC	Submit data in quarterly report to incl records of fuel oil purchased, sulfur content, quantity, and BTU value. Diesel generator and fire pump fuels must contain less than 0.5% sulfur by weight	
AQ 1-34 VIII & IX	Control of unregulated pollutants	MDAQMD CEC	Do not use hexavalent chromium compounds in cooling tower water circulating system	Ongoing
AQ 1-37 IX AQ 1-38 VIII	Emission limits	MDAQMD CEC	NO <sub>x</sub> limit at 547 lbs/day for aggregate of all equipment and 45.9 tons on rolling annual average. Restrict CO & particulate emissions to values in tables I, II, & III Submit above data in quarterly report	Ongoing  Ongoing  Ongoing
AQ 1-38 IX AQ 1-39 VIII	Missing CEMS data	MDAQMD CEC	Use average data when CEMS is out of service. Submit Missing Data Nox emissions calculations in Quarterly Report	Ongoing
AQ 1-39(4) IX AQ 1-40(4) VIII	Notification and recordkeeping	MDAQMD EPA CEC	Notify EPA and APCD if emissions exceed 547 lbs/day average Maintain five-year file of CEMS data	Ongoing
AQ 1-40		MDAQMD		Ongoing, as needed

**2021 ANNUAL COMPLIANCE REPORT**  
**SEGS VIII & IX**

**VI. CONDITIONS OF CERTIFICATION**

<b>COMPLIANCE REQUIREMENTS FOR SEGS VIII &amp; SEGS IX</b>				
<b>Date: February 07, 2016</b>				
<b>CONDITION</b>	<b>ISSUE</b>	<b>SUBMIT TO</b>	<b>PERMIT REQUIREMENTS</b>	<b>STATUS</b>
IX AQ 1-41 VIII	Prevention of significant deterioration	CEC	Review emission changes for 100-ton/year level If site is a major source, file for PSD permit	Ongoing, as needed
AQ 1-41 IX	HTF heater operation		Correct SEGS VIII heater design that caused accident Agency approval before firing IX	Complete Complete
<b>BIOLOGICAL RESOURCES</b>				
BR 1 (BRMIP 5.0)	Habitat compensation		Enter into agreement with CDFG Provide for Mohave ground squirrel habitat Provide for off-site desert tortoise habitat Transfer title of ownership to CDFG Deposit land purchasing funds Provide funds for enhancement and management including Annual Maintenance payments. Provide CEC with signed copy of agreement with CDFG Notify CEC of land purchases, subject to consultation with CDFG, BLM and USFWS	Complete Complete Complete Complete Complete Complete Complete Complete
BR 2			Submit signs, letters, etc. to the CEC	Complete



**2021 ANNUAL COMPLIANCE REPORT**  
**SEGS VIII & IX**

**VI. CONDITIONS OF CERTIFICATION**

<b>COMPLIANCE REQUIREMENTS FOR SEGS VIII &amp; SEGS IX</b>				
<b>Date: February 07, 2016</b>				
<b>CONDITION</b>	<b>ISSUE</b>	<b>SUBMIT TO</b>	<b>PERMIT REQUIREMENTS</b>	<b>STATUS</b>
VIII	Public notice of habitat compensation			
BR 2 (BRMIP 2.0) IX BR 3 VIII	Designated biologist		Submit qualifications of biologist to CEC for approval. If change biologists, submit qualifications for approval.	Complete Ongoing, as required
BR 3 (BRMIP 4.1) BR 4a VIII	Surface disturbance restrictions		Designate off-limit areas Obtain approval from designated biologist for any surface disturbance	Complete Ongoing, as required
BR 4 (BRMIP 4.2) IX BR 4b VIII	Off-road travel restrictions		Prohibit off-road travel in sensitive biological areas. Post signs, Include in Environmental Awareness Training.	Complete Ongoing (for Operations)
BR 4c VIII	Transmission line plant survey		Identify botanically sensitive areas along transmission line	Complete
BR 4d VIII	Temporary travel ways		Designate temporary travel ways along the transmission lines	Complete
BR 4e VIII	Wildlife preservation		Identify active desert tortoise & Mohave ground squirrel burrows along transmission lines	Complete

**2021 ANNUAL COMPLIANCE REPORT**  
**SEGS VIII & IX**

**VI. CONDITIONS OF CERTIFICATION**

<b>COMPLIANCE REQUIREMENTS FOR SEGS VIII &amp; SEGS IX</b>				
<b>Date: February 07, 2016</b>				
<b>CONDITION</b>	<b>ISSUE</b>	<b>SUBMIT TO</b>	<b>PERMIT REQUIREMENTS</b>	<b>STATUS</b>
			Obtain MOU from CDFG Salvage & relocate desert tortoises as needed	Complete Complete
BR 4h VIII BR 8 IX (BRMIP 4.6)	Employee Awareness Training	CEC CPM USFWS CDFG	Provide training to new employees; keep records Provide brochure to contractors Post brochure	Ongoing  Ongoing
BR 4j (BRMIP 4.10) VIII	Anti-perching devices		Install anti-perching (Nixalite) devices on transmission line towers & poles Monthly inspection by designated biologist during raven nesting season for at least 5 years	Complete  Complete
BR 5 IX (BRMIP 4.3)	Desert tortoise preservation		Salvage & relocate desert tortoises as needed Obtain MOU from CDFG Obtain Section 7 Consultation from USFWS	Ongoing  Complete Complete
BR 5 VIII	Wetlands Enhancement Plan	CEC CPM	Submit plan for approval Discharge blowdown to north marsh unless detrimental to wildlife In lieu of marsh discharge, construct evap ponds	Deleted April 26, 2000  Deleted April 26, 2000  Deleted April 26, 2000

**2021 ANNUAL COMPLIANCE REPORT**  
**SEGS VIII & IX**

**VI. CONDITIONS OF CERTIFICATION**

<b>COMPLIANCE REQUIREMENTS FOR SEGS VIII &amp; SEGS IX</b>				
<b>Date: February 07, 2016</b>				
<b>CONDITION</b>	<b>ISSUE</b>	<b>SUBMIT TO</b>	<b>PERMIT REQUIREMENTS</b>	<b>STATUS</b>
			Monitor water quality & wildlife usage of wetlands or ponds	
BR 6 (BRMIP 4.4) BR 4f VIII	Desert tortoise fencing	CEC	Construct permanent tortoise-proof fence around facility Fence design approval from CEC/CDFG/ USFWS/BLM Construct tortoise fence on HLR	Complete  Complete  Complete
BR 7 (BRMIP 4.5) IX BR 4g VIII	Speed limits		Post speed limits along travel ways Obtain approval from CDFG	Complete Complete
BR 8 (BRMIP 4.6) IX	Employee environmental awareness program	CEC	Provide educational brochure Conduct employee orientation Distribute "Sensitive Wildlife Observation Forms" to all employees Collect employee signed affidavits	Complete Ongoing, as required Complete  Complete
BR 8 (BRMIP 7.0) VIII	Central & southern wetlands study		Submit study protocol to CEC for approval Conduct investigations of central & southern marshes for two years Convey discharge water to marshes	Complete  Payment pending  On hold, pending COC amendment
BR 9				Complete

**2021 ANNUAL COMPLIANCE REPORT**  
**SEGS VIII & IX**

**VI. CONDITIONS OF CERTIFICATION**

<b>COMPLIANCE REQUIREMENTS FOR SEGS VIII &amp; SEGS IX</b>				
<b>Date: February 07, 2016</b>				
<b>CONDITION</b>	<b>ISSUE</b>	<b>SUBMIT TO</b>	<b>PERMIT REQUIREMENTS</b>	<b>STATUS</b>
IX (BRMIP 4.7) BR 4i VIII	Trash and litter control program		Supply covered trash and litter receptacles in strategic locations Bury trash and litter or dispose of in covered dumpsters	Complete
BR 9 VIII (BRMIP 8.0)	Agricultural discharge to wetlands		Monitor agricultural discharge to southern & central marshes Notify CEC of any changes in discharge volumes Provide supplemental well water to discharge water as needed	Complete Complete Complete
BR 10 IX (BRMIP 4.8) BR 4k VIII	Habitat restoration		Restoration/revegetation of temporarily disturbed areas	Complete
BR 11 (BRMIP 6.0) IX	Evaporation pond monitoring plan		Maintain appropriate pond depth Maintain fencing Conduct annual invertebrate sampling Conduct lab analysis of samples Notify CEC and CDFG if selenium levels exceed 4 ppm  Submit quarterly pond monitoring report to CDFG	Ongoing  Ongoing Ongoing Ongoing, as required  Ongoing Ongoing

**2021 ANNUAL COMPLIANCE REPORT**  
**SEGS VIII & IX**

**VI. CONDITIONS OF CERTIFICATION**

<b>COMPLIANCE REQUIREMENTS FOR SEGS VIII &amp; SEGS IX</b>				
<b>Date: February 07, 2016</b>				
<b>CONDITION</b>	<b>ISSUE</b>	<b>SUBMIT TO</b>	<b>PERMIT REQUIREMENTS</b>	<b>STATUS</b>
			Allow up to 75 ac ft of water per year to BLM for north marsh enhancement. Submit annual BLM usage to CEC.	
BR 11 (BRMIP 6.0) VIII	Transmission line mitigations		Prepare transmission line mitigation measures Submit transmission line mitigations for CEC approval Implement transmission line mitigation measures	Complete  Complete  Complete
BR 12 (BRMIP 8.0)	BRMIP approval		Submit BRMIP to CEC for approval	Complete
BR 13 (BRMIP 8.0) IX BR 6 VIII	Implement and monitor compliance issues	CEC CPM	Submit monthly compliance status report to CEC Submit annual compliance report from designated biologist to CEC Notify CEC of any adverse impacts to sensitive species	Complete  Ongoing  Ongoing
BR 14 (BRMIP 8.0) IX BR 7 VIII	Site access		Provide letter of authorization to CEC	Complete
BR 3-BR 11	Weekly activity report		Notify CEC in the weekly report	Ongoing

**2021 ANNUAL COMPLIANCE REPORT**  
**SEGS VIII & IX**

**VI. CONDITIONS OF CERTIFICATION**

<b>COMPLIANCE REQUIREMENTS FOR SEGS VIII &amp; SEGS IX</b>				
<b>Date: February 07, 2016</b>				
<b>CONDITION</b>	<b>ISSUE</b>	<b>SUBMIT TO</b>	<b>PERMIT REQUIREMENTS</b>	<b>STATUS</b>
<b>WATER RESOURCES</b>				
WR 1	Well logs and data		Submit logs and data	Complete
WR 2 VIII & IX	Extracted groundwater consumption	CEC CPM LRWQCB	Provide for each well extracting groundwater in Annual Compliance Report: standing water levels, pumping rates, total water extraction	Ongoing
WR 3	Water well flow meters		Submit as-built drawings to CEC	Complete
WR 4 IX	Water supply	CEC LRWQCB	Limit groundwater extractions to 950 acre/ft per yr; provide data	Ongoing
WR 4 VIII	NPDES permit for cooling tower blowdown		Obtain WDR from LRWQCB	Complete
WR 6 IX	Waste discharge requirements (WDR) for condensate system		Obtain WDR from LRWQCB	Complete
WR6 VIII	Liquid discharge to ponds	CEC CPM	Inform CEC of change in WDR's Submit with Annual Report copies of quarterly reports to LRWQCB and status of current waste disch requirements	Ongoing
WR 7			Obtain WDR from LRWQCB	Complete

**2021 ANNUAL COMPLIANCE REPORT**  
**SEGS VIII & IX**

**VI. CONDITIONS OF CERTIFICATION**

<b>COMPLIANCE REQUIREMENTS FOR SEGS VIII &amp; SEGS IX</b>				
<b>Date: February 07, 2016</b>				
<b>CONDITION</b>	<b>ISSUE</b>	<b>SUBMIT TO</b>	<b>PERMIT REQUIREMENTS</b>	<b>STATUS</b>
IX WR 5 VIII	WDR for cooling tower blowdown			
WR 7 VIII	Erosion control plan		Submit plan to CEC	Complete
WR 8 IX WR 6 VIII	Water Quality	CEC CPM LRWQCB	Notification of changes in LRWQCB WDRs Quarterly reports Submit status of current WDRs	Ongoing, as required  Ongoing Ongoing, as required
WR8 VIII	Flood Hazard	CEC CPM	Protect adjacent private property from flooding, scouring & erosion as result of operations Submit Annual statement in Annual Compliance Report describing any maintenance or repairs on adjacent private property due to flooding, scouring, erosion	Complete  Ongoing, as required
WR 9	Protect land from runoff for 25-year (not 100) storm		Construct dike along north boundary of Section 13 Prepare as-builts	Complete  Complete
WR 10 IX WR 12 & 13 VIII	Water flow easements		Obtain easements or provide flood protection	Complete

**2021 ANNUAL COMPLIANCE REPORT**  
**SEGS VIII & IX**

**VI. CONDITIONS OF CERTIFICATION**

<b>COMPLIANCE REQUIREMENTS FOR SEGS VIII &amp; SEGS IX</b>				
<b>Date: February 07, 2016</b>				
<b>CONDITION</b>	<b>ISSUE</b>	<b>SUBMIT TO</b>	<b>PERMIT REQUIREMENTS</b>	<b>STATUS</b>
WR 11	Extend 100 year dike & channel to southern border of Section 25		Certify to CEC that dike & channel will be built	Complete
WR 14 VIII	Well permits	CEC CPM	Submit all copies of well drilling permits in Annual Compliance Report	Ongoing
<b>SOCIOECONOMICS</b>				
SE 4 IX SE 2c VIII	Payments to schools	CEC	Submit copies of checks Submit copies of signed agreements	Complete Complete
SE 7 VIII	Impacts to local fire protection	CEC CPM	Mitigate impacts caused to local fire protection agencies Identify demand placed on local agencies in Quarterly Reports & specify agency costs paid by LSP. CEC may require additional compensation.	Ongoing
SE 8	Fire protection agreement		Sign agreement	Complete
<b>PUBLIC HEALTH</b>				
PH 1	HTF barrier	CEC		Complete



**2021 ANNUAL COMPLIANCE REPORT**  
**SEGS VIII & IX**

**VI. CONDITIONS OF CERTIFICATION**

<b>COMPLIANCE REQUIREMENTS FOR SEGS VIII &amp; SEGS IX</b>				
<b>Date: February 07, 2016</b>				
<b>CONDITION</b>	<b>ISSUE</b>	<b>SUBMIT TO</b>	<b>PERMIT REQUIREMENTS</b>	<b>STATUS</b>
		SBCCBO	Prepare plan for barriers to protect HTF piping Submit plan Install barriers	Complete Complete
PH 2	HTF release plan	CEC	Submit documentation of procedures Inform CEC of training schedule	Complete Complete
PH 3	Construction employee protection plan	CEC	Develop/implement plan Install required equipment	Complete Complete
PH 4	Employee protection plan	CEC	Develop/implement plan Install required equipment	Complete Complete
PH 5 IX	Protective equipment	CEC	Provide equipment	Complete
PH 5 VIII	Materials handling procedures		Submit procedures to CEC	Complete
PH 6 VIII & IX	Cooling tower water treatment	CEC	Obtain written approval for use of chemicals not in Table 2	Ongoing, as required
PH 7 IX	Extremely hazardous materials	CEC	Do not use chemicals listed extremely hazardous without an approved Risk Management Prevention Program	Ongoing, as required

**2021 ANNUAL COMPLIANCE REPORT**  
**SEGS VIII & IX**

**VI. CONDITIONS OF CERTIFICATION**

<b>COMPLIANCE REQUIREMENTS FOR SEGS VIII &amp; SEGS IX</b>				
<b>Date: February 07, 2016</b>				
<b>CONDITION</b>	<b>ISSUE</b>	<b>SUBMIT TO</b>	<b>PERMIT REQUIREMENTS</b>	<b>STATUS</b>
<b>WASTE MANAGEMENT</b>				
WM 1 VIII & IX	Disposal of hazardous & non-hazardous wastes		Dispose of waste at approved facilities Provide verification to CEC via compliance reports	Ongoing, as required Ongoing, as required
WM 2	Solid waste management plan		Submit plan to CEC □ 6 months after project certification	Complete
WM 3 IX WM 6 VIII	Waste summary report	CEC CPM	Submit description of project related hazardous waste, including: quantity and type of waste, disposal methods, and facilities used	Ongoing
WM 3 VIII	Use of alternative anti-corrosion agent	DHS CEC CPM LRWQCB	If anti-corrosive agent is used, test waste for hazardous determination Obtain waste discharge permit from LRWQCB if required	Ongoing, as required Ongoing, as required
WM 4 IX WM 2 VIII	Hazardous waste generator permit for HTF		Obtain permit from DTSC (CDHS)	Ongoing

**2021 ANNUAL COMPLIANCE REPORT**  
**SEGS VIII & IX**

**VI. CONDITIONS OF CERTIFICATION**

<b>COMPLIANCE REQUIREMENTS FOR SEGS VIII &amp; SEGS IX</b>				
<b>Date: February 07, 2016</b>				
<b>CONDITION</b>	<b>ISSUE</b>	<b>SUBMIT TO</b>	<b>PERMIT REQUIREMENTS</b>	<b>STATUS</b>
WM 5 IX WM4 VIII	Hazardous waste storage	DHS CEC CPM	If hazardous waste is stored over 90 days obtain determination Notify if Hazardous Waste Facility Permit is granted by DHS Store & dispose of waste per DHS regulations	Ongoing, as required  Ongoing, as required  Ongoing
WM 5 VIII	Sanitary waste disposal		Submit	
WM 6 IX WM 7 VIII	Waste-related enforcement action	CEC CPM	Notify CEC of any action against owner or waste handlers	Ongoing, as required
WM 7 IX WM 8 VIII	HTF shipment records	CEC CPM	Maintain records of all HTF shipments	Ongoing
WM 8 IX WM9 VIII	HTF spill □20 gallons	CEC CPM	Notify CEC within 48 hours Submit written verification of the spill & clean-up measures	Ongoing, as required
WM 9 IX WM 10	HTF spill cleanup to <3000 ppm	CEC CPM	Clean up spills to level that leaves < 3000mg/kg of HTF in soil	Ongoing, as required

**2021 ANNUAL COMPLIANCE REPORT**  
**SEGS VIII & IX**

**VI. CONDITIONS OF CERTIFICATION**

<b>COMPLIANCE REQUIREMENTS FOR SEGS VIII &amp; SEGS IX</b>				
				<b>Date: February 07, 2016</b>
<b>CONDITION</b>	<b>ISSUE</b>	<b>SUBMIT TO</b>	<b>PERMIT REQUIREMENTS</b>	<b>STATUS</b>
VIII			Submit spill report to CEC within 30 days Submit a manifest of disposed HTF	
WM 11 VIII	Solid waste management plan		Submit plan to CEC < 6 months after project certification	Complete
<b>PUBLIC AND WORKER SAFETY</b>				
PWS 1	Heater Operating, SUS, and Emergency SD Procedure and Operator Training Program	CEC CPM	Procedure to also address errors that could result from operation of different heater designs by same personnel in same control room. Staff Training on these procedures.	
PWS 2	Yearly Status Reports	CEC CPM	Yearly Status Reports on Equipment Failures and effectiveness of inspection and maintenance procedures on critical systems.	
<b>SAFETY &amp; FIRE PROTECTION</b>				
ISFP 1 IX PWFS 1	Safety plan	CEC CPM	Implement Safety Plan Provide access to project area, facilities & maintain records	Complete Ongoing
ISFP 2	Certificate of Occupancy		Obtain certificate from SBCFFW	Complete

**2021 ANNUAL COMPLIANCE REPORT**  
**SEGS VIII & IX**

**VI. CONDITIONS OF CERTIFICATION**

<b>COMPLIANCE REQUIREMENTS FOR SEGS VIII &amp; SEGS IX</b>				
				<b>Date: February 07, 2016</b>
<b>CONDITION</b>	<b>ISSUE</b>	<b>SUBMIT TO</b>	<b>PERMIT REQUIREMENTS</b>	<b>STATUS</b>
			Submit copy to CEC	Complete
PWFS 2 VIII ISFP p. 386	Fire protection element of safety plan Fire safety		Develop fire brigade training program Maintain fire-fighting equipment	Complete Ongoing
<b>POWER PLANT RELIABILITY</b>				
PPR 1	Preventive maintenance program		Inventory management plan Maintenance and repair training program	Complete Ongoing
PPR 2 VIII & IX	Operational Logs	CEC CPM	Maintain logs of equipment failure data & operational data for all major equipment Maintain monthly operational data	Ongoing
<b>QUALIFYING FACILITY STATUS</b>				
QFS 1 VIII & IX		CEC CPM	Operate facility in accordance with requirements of Title 18 CFR Continuously monitor total energy input	Ongoing

**2021 ANNUAL COMPLIANCE REPORT**  
**SEGS VIII & IX**

**VI. CONDITIONS OF CERTIFICATION**

<b>COMPLIANCE REQUIREMENTS FOR SEGS VIII &amp; SEGS IX</b>				
<b>Date: February 07, 2016</b>				
<b>CONDITION</b>	<b>ISSUE</b>	<b>SUBMIT TO</b>	<b>PERMIT REQUIREMENTS</b>	<b>STATUS</b>
<b>TRANSMISSION LINE SAFETY &amp; NUISANCE</b>				
TLSN 6 VIII & IX	Transmission line maintenance	CEC CPM	Keep transmission line pole sites free from rubbish Provide information about inspection, clean up & fire protection near poles	Ongoing  Ongoing
<b>FACILITY SECURITY &amp; DECOMMISSIONING</b>				
DC 1 VIII	Decommissioning	CEC CPM	File decommissioning plan	12 months before decommissioning
FS/DC 2 IX	Decommissioning	CEC CPM	File decommissioning plan in IX's 25th year of operation Pre-filing workshop with CEC	Ongoing, as required
FS/DC 3 IX	Decommissioning	CEC CPM	Obtain approval prior to decommissioning activities	12 months before decommissioning
FS/DC 1 IX	Updates to security & facility maintenance plan	CEC CPM	Submit updates to Plan, including the adequacy of the security/decommissioning fund	Ongoing
<b>MISCELLANEOUS</b>				

**2021 ANNUAL COMPLIANCE REPORT**  
**SEGS VIII & IX**

**VI. CONDITIONS OF CERTIFICATION**

<b>COMPLIANCE REQUIREMENTS FOR SEGS VIII &amp; SEGS IX</b>				
<b>Date: February 07, 2016</b>				
<b>CONDITION</b>	<b>ISSUE</b>	<b>SUBMIT TO</b>	<b>PERMIT REQUIREMENTS</b>	<b>STATUS</b>
N 1	Noise complaints		Develop noise complaints program	Complete
N 2	Public noise surveys	CEC	Conduct surveys & submit report	Complete
N 3	Occupational noise surveys	CEC	Conduct surveys & submit report	Complete
N 4	IC engine noise		Install mufflers	Complete
PCR 1-8	Paleontological & cultural resources		All surveys, plans & reports	Complete
PCR 7	Final paleontological resources report		Submit final report to CEC Submit final report to Paleo Library	Complete
PCR 13	Cultural resources found		Maintain files showing proof of cultural resource analysis	Complete
PCR 15	Final cultural resources report		Maintain on file	Complete
PCR 16	Agreements for cultural resource curation		Maintain on file	Complete
TT1	Transportation Permits submittal	CEC CPM	In Quarterly Reports notify the CEC of any Transportation Permits	
TT 5 IX			Sign agreement 60 days after CEC decision	Request to amend; COC pending

**2021 ANNUAL COMPLIANCE REPORT**  
**SEGS VIII & IX**

**VI. CONDITIONS OF CERTIFICATION**

<b>COMPLIANCE REQUIREMENTS FOR SEGS VIII &amp; SEGS IX</b>				
<b>Date: February 07, 2016</b>				
<b>CONDITION</b>	<b>ISSUE</b>	<b>SUBMIT TO</b>	<b>PERMIT REQUIREMENTS</b>	<b>STATUS</b>
	Agreement for reconstruction of Harper Lake Road			
TT7 VIII TT6 IX	Accident occurrences on the 4 San Bernardino roads	CEC CPM & SBCFCTD	Monitor and Report in Quarterly Reports traffic accident occurrences on the 4 roads. Report on current status of consultations with SBC Flood Control & Transportation Dept.	
TT 11 VIII	Railroad crossing gate/signal/light installation		Submit construction plan to CEC	Complete
TT 12	Maintenance Plan for Hoffman Road		Submit Hoffman Rd Maintenance Plan prior to Operations	
VR 1	Exterior color scheme for buildings		Submit color plan to CEC	Complete
VR 2	Light shielding		Install light shields and reposition lights	Complete
VR 3	Visual screening		Develop plan Submit plan to CEC Notify CEC after installation	CEC surveyed neighbors No changes required No installation necessary



## 2021 ANNUAL COMPLIANCE REPORT

### VI. CONDITIONS OF CERTIFICATION

### SEGS VIII & IX

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#### Construction/Operation Schedule

##### 2022 Operation Schedule

###### January

We anticipate firing heaters only for freeze protection during the month of January. This operation is necessary when the temperature of HTF in the system is less than, or equal to, 100° F. The heaters are fired until the HTF system temperature reaches approximately 300° F. The amount of gas budgeted for freeze protection is 700 kscf. Power generation will be in solar only mode. SEGS VIII will continue decommissioning activities.

###### February

We anticipate firing heaters only for freeze protection during the month of February. This operation is necessary when the temperature of HTF in the system is less than, or equal to, 100° F. The heaters are fired until the HTF system temperature reaches approximately 300° F. The amount of gas budgeted for freeze protection is 700 kscf. Power generation will be in solar only mode. SEGS VIII will continue decommissioning activities.

###### March

We anticipate firing heaters only for freeze protection during the month of March. This operation is necessary when the temperature of HTF in the system is less than, or equal to, 100° F. The heaters are fired until the HTF system temperature reaches approximately 300° F. The amount of gas budgeted for freeze protection is 500 kscf. Power generation will be in solar only mode. SEGS VIII decommissioning activities.

###### April

We anticipate firing heaters only for freeze protection during the month of March. This operation is necessary when the temperature of HTF in the system is less than, or equal to, 100° F. The heaters are fired until the HTF system temperature reaches approximately 300° F. The amount of gas budgeted for freeze protection is 500 kscf. Power generation will be in solar only mode. SEGS VIII decommissioning final inspection expected by April 30, 2022.

###### May

We anticipate power generation will be in solar only mode at SEGS IX. Lockhart I (old SEGS VIII) construction is due to start.

###### June – July – August – September

During the peak season we anticipate power generation will be in solar only mode. Lockhart I construction continues.

###### October

We anticipate power generation will be in solar only mode at SEGS IX. Lockhart I construction continues.

## 2021 ANNUAL COMPLIANCE REPORT

### VI. CONDITIONS OF CERTIFICATION

### SEGS VIII & IX

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#### November

Power generation will be in solar mode only. The heaters may be used at SEGS IX for freeze protection during the month of November. This operation is necessary when the temperature of HTF in the systems is less than, or equal to, 100° F. The heaters are fired until the HTF system temperature reaches approximately 300° F. The amount of gas budgeted for freeze protection is 1,500 kscf. Lockhart I construction continues.

#### December

Power generation will be in solar only mode. The heaters may be used at SEGS IX for freeze protection during the month of December. This operation is necessary when the temperature of HTF in the systems is less than, or equal to, 100° F. The heaters are fired until the HTF system temperature reaches approximately 300° F. The amount of gas budgeted for freeze protection is 1,500 kscf. Lockhart I construction continues.

## 2021 ANNUAL COMPLIANCE REPORT

VI. CONDITIONS OF CERTIFICATION

SEGS VIII & IX

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### **Facility Changes**

SEGS VIII began decommissioning October 18, 2021. No other changes were made to the Facility.

## 2021 ANNUAL COMPLIANCE REPORT

VI. CONDITIONS OF CERTIFICATION

SEGS VIII & IX

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### **2021 Elapsed Submittals**

To the best of our knowledge all submittal deadlines were met during the 2021 calendar year.

## 2021 ANNUAL COMPLIANCE REPORT

VI. CONDITIONS OF CERTIFICATION

SEGS VIII & IX

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### **Filings with Other Governmental Agencies**

#### 2021 Additional Filings

The following is a summary of the filings made during 2021 with governmental agencies having permitting authority over the SEGS VIII and IX projects.

- All quarterly semi-annual and annual reporting was submitted on schedule in 2021 to the Mojave Desert Air Quality Management District, the California Regional Water Quality Control Board-Lahontan Region, and the Mojave Basin Area Watermaster.
- All permit renewals and fees were submitted on schedule in 2021, to the San Bernardino County Fire Department, the Environmental Health Services, the Environmental Public Works Agency, the Mojave Desert Air Quality Management District, the State Board of Equalization, the Lahontan Regional Water Quality Control Board, the California Department of Tax and Fee Administration and the San Bernardino County Fire Warden.

## 2021 ANNUAL COMPLIANCE REPORT

VI. CONDITIONS OF CERTIFICATION

SEGS VIII & IX

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### **Onsite Compliance File – Additions / Deletions**

## 2021 ANNUAL COMPLIANCE REPORT

VII. WATER RESOURCES / WATER

SEGS VIII & IX

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### **Lahontan Regional Water Quality Control Board Annual Report**

The Second Semi-Annual 2021 Monitoring Report was submitted under separate cover.

## 2021 ANNUAL COMPLIANCE REPORT

VII. WATER RESOURCES / WATER

SEGS VIII & IX

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### **Waste Discharge Requirements**

The Waste Discharge Requirements were included in the 2000 Annual Compliance Report to the California Energy Commission.

The waste discharge requirements as issued by the Lahontan Regional Water Quality Control Board under Board Order #6-98-74 remain in effect and were unchanged during the 2021 calendar year.



# 2021 ANNUAL COMPLIANCE REPORT

## VII. WATER RESOURCES / WATER

## SEGS VIII & IX

### Production Well Data

#### Depth to Groundwater Measurements

Well Number	State Well Number	Date of Measurement	Depth to Water (feet)	Approximate Surface Elevation (feet msl)	Approximate Water Elevation (feet msl)	Comments
P34	11N/4W-19E01					Out of commission requiring overhaul.
P35	11N/4W-19E02	9/03/2021	101.1	2058	1892	
P36	11N/4W-19Q02	9/03/2021	156.7	2058	1904	
P40	11N/4W-19J01	9/03/2021	139.1	2039	1905	

#### Production Well Pumping Rate

Well Number	State Well Number	Average Well Pumping Rate (gallons per minute)
P34	11N/4W-19E01	
P35	11N/4W-19E02	514
P36	11N/4W-19Q02	749
P40	11N/4W-19J01	1128

#### Production Well Total Annual Extractions

Well Number	State Well Number	Annual Extraction Amount (acre-feet)
P34	11N/4W-19E01	
P35	11N/4W-19E02	513.04
P36	11N/4W-19Q02	9.26
P40	11N/4W-19J01	196.69

## 2021 ANNUAL COMPLIANCE REPORT

VII. WATER RESOURCES / WATER

SEGS VIII & IX

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### **Condition of Certification – WATER-8**

Luz Solar Partners VIII & IX have implemented measures adequate to protect adjacent private property from flooding, scouring, and erosion as a result of the operation of the SEGS Unit VIII and SEGS Unit IX and have fully complied with the SEGS Unit VIII Condition of Certification WATER-8 during the calendar year 2021.

Luz Solar Partners VIII & IX did not perform any road maintenance or other required repairs on adjacent properties in the 2021 calendar year since there were no damages to adjacent properties as a result of flooding, scouring, or erosion.

## 2021 ANNUAL COMPLIANCE REPORT

IX. TRAFFIC AND TRANSPORTATION

SEGS VIII & IX

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### **Decommissioning Fund**

Luz Solar Partners VIII & IX have continued to assess the potential regional market for willing purchasers of the Heat Transfer Fluid (HTF) for use as a fuel source.

Luz Solar Partners VIII filed a preliminary decommissioning plan with the CEC in compliance with FS/DC Condition 2.

## 2021 ANNUAL COMPLIANCE REPORT

IX. TRAFFIC AND TRANSPORTATION

SEGS VIII & IX

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### **Proof of Pollution Insurance**



# CERTIFICATE OF LIABILITY INSURANCE

DATE (MM/DD/YYYY)

03/15/2021

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an ADDITIONAL INSURED, the policy(ies) must have ADDITIONAL INSURED provisions or be endorsed. If SUBROGATION IS WAIVED, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> McGriff Insurance Services, Inc. P.O. Box 10265 Birmingham, AL 35202	<b>CONTACT NAME:</b> <b>PHONE (A/C, No, Ext):</b> 800-476-2211 <b>FAX (A/C, No):</b> <b>E-MAIL ADDRESS:</b>
	<b>INSURER(S) AFFORDING COVERAGE</b> <b>INSURER A :</b> Hartford Casualty Insurance Company <b>INSURER B :</b> See Attached <b>INSURER C :</b> See attached <b>INSURER D :</b> Hartford Fire Insurance Company <b>INSURER E :</b> <b>INSURER F :</b>
<b>INSURED</b> Terra-Gen, LLC including LUZ SOLAR PARTNERS VIII & IX 437 Madison Avenue 22nd Floor, Suite A New York, NY 10022	<b>NAIC #</b> 29424    19682

**COVERAGES**

CERTIFICATE NUMBER:R4UXTCK8

REVISION NUMBER:

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.


INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
D	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC OTHER:			21 UEJ JA3519	03/15/2021	03/15/2022	EACH OCCURRENCE \$ 1,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 300,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 1,000,000 GENERAL AGGREGATE \$ 3,000,000 PRODUCTS - COMP/OP AGG \$ 3,000,000 \$
A	<input checked="" type="checkbox"/> <b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input type="checkbox"/> NON-OWNED AUTOS ONLY			21 UEJ WQ0138	03/15/2021	03/15/2022	COMBINED SINGLE LIMIT (Ea accident) \$ 1,000,000 BODILY INJURY (Per person) \$ BODILY INJURY (Per accident) \$ PROPERTY DAMAGE (Per accident) \$ \$
B	<input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE DED RETENTION \$			ME2114607 ME2121860 ME2121858 ME2121859	03/15/2021	03/15/2022	EACH OCCURRENCE \$ 4,000,000 AGGREGATE \$ 4,000,000 \$
C	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? <input type="checkbox"/> Y / N <input checked="" type="checkbox"/> N / A (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below			21 WEH WQ0128	03/15/2021	03/15/2022	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000 \$ \$ \$ \$ \$

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)

Re: Equipment Lease- Bare Rental Agreement. Contract # 19753

Certificate Holder is included as Additional Insured (excluding Workers' Compensation) and Waiver of Subrogation applies except where not permissible by law if required by written contract subject to policy terms, conditions and exclusions. For the General Liability policy, Insurance is primary and non-contributory over any other collectable insurance if required by written contract subject to policy terms, conditions and exclusions. In the event of cancellation by the insurance companies the policies have been endorsed to provide 30 days Notice of Cancellation (except for non-payment) to the certificate holder shown below.

**CERTIFICATE HOLDER**

<b>CERTIFICATE HOLDER</b>  MAXIM CRANE WORKS, L.P. 1101 E. Spring Street Long Beach, CA 90806	<b>CANCELLATION</b>  SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.  AUTHORIZED REPRESENTATIVE 
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## 2021 ANNUAL COMPLIANCE REPORT

### IX. TRAFFIC AND TRANSPORTATION

### SEGS VIII & IX

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#### **Traffic and Transportation Road Monitoring**

##### **Conditions of Certification – TRANS-7 (VIII) & TRANS-6 (IX)**

Luz Solar Partners VIII & IX has record of no accidents on Harper Lake, Hoffman, and Lockhart Roads, and Santa Fe Avenue during the 2021 calendar year involving SEGS VIII & IX Operations. As a result of this monitoring, no further mitigation measures were proposed by Luz Solar Partners VIII & IX in 2021.