

DOCKETED

Docket Number:	89-AFC-01C
Project Title:	Compliance - LUZ SEGS IX and X Projects Application for Certification
TN #:	249002
Document Title:	PWS 2 - SEGS IX 2022 CEC Annual Report
Description:	Annual Compliance Report
Filer:	Neal Davies
Organization:	Terra-Gen Operating Compnay
Submitter Role:	Applicant
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Terra-Gen Operating Company, 43880 Harper Lake Road,
Hinkley, CA 92347
760-762-3100

February 28, 2023

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

Subject: 89-AFC-1 PWS 2 SEGS IX 2022 Annual Compliance Report

Dear Mr. Heiser:

Enclosed is the Annual Compliance Report for the SEGS IX facilities at Harper Lake. The report includes compliance activities for the period of January 1, 2022 through December 31, 2022, per the revised Annual Reporting Requirements.

If you have any questions, or need additional information, please contact Neal Davies at (760) 762-3123.

Sincerely,

A handwritten signature in black ink, appearing to read "RFimbres".

Robert Fimbres
Site Manager
LUZ Solar Partners IX

2022
ANNUAL COMPLIANCE REPORT
SEGS IX

SUBMITTED TO

CALIFORNIA ENERGY COMMISSION
SACRAMENTO, CALIFORNIA

PREPARED BY

TERRA-GEN OPERATING COMPANY

FOR

LUZ SOLAR PARTNERS IX
HARPER LAKE, CALIFORNIA

FEBRUARY 28, 2023

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Statement of Compliance with Air Quality Terms and Conditions of Certification

**SEGS IX
Statement of Compliance**

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



Robert Fimbres
Site Manager
LUZ Solar Partners SEGS IX

2022 ANNUAL COMPLIANCE REPORT

I. AIR QUALITY

SEGS IX

Mojave Desert Air Quality Management District Correspondence

2022 MDAQMD Correspondence Summary

Date	Subject
January	2021 Fourth Quarter Emissions Monitoring Report
February	Operating Permit Fees
April	2022 First Quarter Emissions Monitoring Report
July	2022 Second Quarter Emissions Monitoring Report
October	2022 Third Quarter Emissions Monitoring Report

Mojave Desert Air Quality Management District HTF Heater Permit to Operate

2022 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

E003940

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:

DIESEL IC ENGINE COMPLEX, FIRE PUMPS (SEGS VIII & IX) consisting of: ***Three internal combustion engines powering three fire pumps:

P-760: Engine Serial No. 64Z09021, Pump Serial No. 05-1200016
P-761: Serial No. 64Z09027, Pump Serial No. 89-65221
P-762: Serial No. 64Z09032, Pump Serial No. 04-1042540

One Caterpillar, Diesel fired internal combustion engine Model No. 3306B and Serial No. ***, producing 267 bhp with 6 cylinders at 2100 rpm while consuming a maximum of 23 gal/hr. This equipment powers a Aurora Fire Pump Model No. 481 BF and Serial No. ***, rated at 125 psi @ 2100 rpm.

CONDITIONS

1. This stationary, compression-ignited, internal combustion engine shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit. [District Rule 201 and 40 CFR Part 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines]
2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine

Fee Schedule: 7 (g)

Rating: 3 device

NAICS: 221118

SCC: 20200102

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

operating time. [17 CCR 93115 - Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines and 40 CFR Subpart ZZZZ]

3. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15ppm) on a weight per weight basis per CARB Diesel or equivalent requirements. [17 CCR 93115]

4. Engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect. [17 CCR 93115]

5. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 20 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 20 hour per year limit. [District Rule 1110.2, 17 CCR 93115, and 40 CFR Subpart III]

6. The hour limit of Condition #5 can be exceeded when the emergency fire pump assembly is driven directly by a stationary diesel fueled CI engine when operated per and in accord with the National Fire Protection Association (NFPA) 25 - "Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems," 1998 edition. {Title 17 CCR 93115(c)16} [Rule 204 - Permit Conditions; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 - 43 FR 52237; Current Rule Version = 07/25/77]

7. Owner/operator must meet the following requirements;

- a. Change oil and filter every 500 hours of operation or annually, whichever comes first. O/o may utilize an oil analysis program as described in 63.6625(i) in order to extend this requirement.
- b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and
- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR Subpart ZZZZ]

8. The o/o shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:

- a. Date of each use and duration of each use (in hours);
- b. Record(s) of engine maintenance including those specified in condition 6;
- c. Reason for use (testing & maintenance, emergency, required emission testing);
- d. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
- e. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log). [17 CCR 93115]

9. This genset is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR 93115) and 40 CFR Part 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. In the event of conflict between these conditions and the aforementioned regulations, the more stringent requirements shall govern.



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

N002984

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:

GASOLINE DISPENSING FACILITY (NON-RETAIL) consisting of:

FUEL TANKS

Tank No.	Material Stored	Volume (US Gallons)	Above/Underground
1	87U	2,000	Above Ground
2	Diesel	1,000	Above Ground

DISPENSING EQUIPMENT

Fuel Type	Quantity
87U	1
Diesel	1

VAPOR CONTROL EQUIPMENT

Type	Equipment Name	Compliance
PI	DP	G-70-131-A
PII	BAL	G-70-131-A

Fee Schedule: 5 (a)

Rating: 2000 gallons

NAICS: 221118

SCC: 40600603

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

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

By:

Brad Poiriez
Brad Poiriez

Air Pollution Control Officer

CONDITIONS

1. The toll-free telephone number that must be posted is 1-800-635-4617.
2. The owner/operator (o/o) shall maintain a log of all inspections, repairs, and maintenance on equipment subject to Rule 461. Such logs or records shall be maintained at the facility for at least five (5) years and shall be available to District, State, or Federal personal upon request.
3. Any modifications or changes to the piping or control fittings of the vapor recovery system require prior approval from the District.
4. The vapor vent pipes are to be equipped with pressure relief valves.
5. The owner or operator shall conduct and pass the following tests annually using the latest adopted version of the following test procedures:
 - a. Pressure Decay Tests per CARB test method TP-201.3B.
 - b. Liquid Removal Test (if applicable) per TP-201.6
 - c. Emergency vents and manways shall be leak free when tested at the operating pressure of the tank in accordance with CARB test methods, as specified in Title 17, California Code of Regulations.
 - d. P/V valves in accord with TP-201.1E.The District shall be notified a minimum of 10 days prior to performing the required tests with the final results submitted to the District within 30 days of completion of the tests.

Passing test reports shall be received by the District not later than six (6) weeks prior to the expiration date of this permit.
6. The annual throughput of gasoline shall not exceed 500,000 gallons per year. Throughput Records shall be kept on site and available to District personnel upon request. Before this annual throughput can be increased the facility may be required to submit to the District a site specific Health Risk Assessment in accord with a District approved plan. In addition public notice and/or comment period may be required.
7. The o/o shall maintain and operate this equipment in compliance with CARB Executive Order G-70-131-A.



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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PERMIT TO OPERATE

B003941

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:

COOLING TOWER, SEGS VIII consisting of: Marley six (6) cell counterflow model with a design drift rate of 0.0005 and a circulation rate of 56,400 gpm.

EQUIPMENT

Capacity	Equipment Description
900	Fans, Exhaust - six (6) @ 150 hp each & 1790 rpm
40	Pump, Circulation - one (1) @ 40 hp & 6000 gpm @ 705 rpm
1200	Pumps, Cooling Water - four (4) @ 300 hp and 14,100 gpm @ 705 rpm each
40	Pump, Auxiliary Cooling Water - one (1) @ 40 hp & 1775 rpm
60	Pumps, Cooling Tower Makeup - three (3) @ 20 hp each & 1765 rpm

CONDITIONS

1. All equipment shall be maintained and operated in strict accord with recommendations of the manufacturer/supplier and/or engineering principles.
2. The owner/operator (o/o) shall comply with District Rule 1503 relative to the "Hexavalent Chromium Emissions From Cooling Towers".

Fee Schedule: 1 (d)

Rating: 2240 bhp

NAICS: 221118

SCC: 99999999

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

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

By:

Brad Poiriez
Brad Poiriez

Air Pollution Control Officer

3. The drift rate shall not exceed 0.0005 percent and the maximum circulation rate shall be 56,400 gpm. The maximum emission rate of PM10 shall not exceed 2.8 lb/h, calculated using water circulation rate, drift rate, total dissolved solids, and PM10 fraction (as presented in FPL Energy letter dated 3/25/2003).

4. Weekly tests of the blowdown water quality shall be performed by the o/o in accordance with the standard test procedures. These weekly recordings, including mass emission rate, shall be logged. This log shall and be maintained current, on-site for a minimum of 2 years and provided to District personnel on request.

5. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.

6. A maintenance procedure shall be established that states how often and what procedures will be used to ensure the integrity of the drift eliminators. This procedure is to be kept on-site and be available to District personnel on request.



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

B003942

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:

HEAT TRANSFER FLUID (HTF) ULLAGE SYSTEM, SEGS VIII consisting of:

EQUIPMENT

Capacity	Equipment Description
0	Pump, Ullage Vessel - 15 gpm @ 160 psig, 30 hp @ 3520 rpm
0	Pump, Ullage Cooler Circulation - 3 hp @ 1750 rpm
0	Cooler, Ullage - E-399, 204600 Btu/hr @ 180 psig & 560 degrees F
0	Cooler, Ullage - E-400, 650000 Btu/hr @ 180 psig & 560 degrees F
0	Vessel, Ullage - V-373, 2000 gal @ 180 psig & 500 degrees F
0	Vessel, Ullage Second - V-374, 2000 gal @ 15 psig & 250 degrees F
0	Vessel, Ullage Drain - V-377, 3000 gal @ 15 psig

CONDITIONS

1. All equipment shall be maintained and operated in strict accord with recommendations of the manufacturer/supplier and/or sound engineering principles.
2. If current non-criteria substances become regulated as toxic or hazardous substances and are used in this equipment, the owner/operator shall submit to the District a plan demonstrating how compliance will be achieved and maintained with such

Fee Schedule: 7 (i)

Rating: 1 device

NAICS: 221118

SCC: 99999999

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

regulations.



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

E002015

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:

DIESEL IC ENGINE, EMERGENCY GENERATOR, SEGS VIII consisting of:

One Caterpillar, Diesel fired internal combustion engine Model No. SR-4 and Serial No. 81Z09217, producing 890 bhp with 12 cylinders at 1800 rpm while consuming a maximum of 44 gal/hr.

CONDITIONS

1. This stationary, compression-ignited, internal combustion engine shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit. [District Rule 201 and 40 CFR Part 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines]
2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time. [17 CCR 93115 - Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines and 40 CFR Subpart ZZZZ]
3. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15ppm) on a weight per weight basis per CARB Diesel or equivalent requirements. [17 CCR 93115]

Fee Schedule: 7 (g)

Rating: 1 device

NAICS: 221118

SCC: 20100102

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.

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43880 Harper Lake Road
Hinkley, CA 92347

By:


Brad Poiriez

Air Pollution Control Officer

4. Engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect. [17 CCR 93115]
5. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 20 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 20 hour per year limit. [District Rule 1110.2, 17 CCR 93115, and 40 CFR Subpart III]
6. Owner/operator must meet the following requirements:
 - a. Change oil and filter every 500 hours of operation or annually, whichever comes first. O/o may utilize an oil analysis program as described in 63.6625(i) in order to extend this requirement.
 - b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and
 - c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR Subpart ZZZZ]
7. The o/o shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:
 - a. Date of each use and duration of each use (in hours);
 - b. Record(s) of engine maintenance including those specified in condition 6;
 - c. Reason for use (testing & maintenance, emergency, required emission testing);
 - d. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
 - e. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log). [17 CCR 93115]
8. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier. [17 CCR 93115]
9. This genset is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR 93115) and 40 CFR Part 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. In the event of conflict between these conditions and the aforementioned regulations, the more stringent requirements shall govern.



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 WZI, Inc. dated May 2, 1994, subject "Proposed Emission Limits for SEGS VIII and SEGS IX Heaters") for the following criteria pollutants are:

NO_x - 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.

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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

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

A008610

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:

ABRASIVE BLASTING MACHINE consisting of: Clemco Abrasive Blasting Machine, 300 pound capacity, Model 1648, Serial No. 10712, operating at a maximum pressure of 100 psig, capable of emitting 10.6 lbs PM-10/hr.

CONDITIONS

1. Pursuant to Title 17 California Code of Regulations sections 92000-92530, abrasive blasting shall be conducted within a permanent building; outdoor blasting is permitted if the item blasted exceeds 8 feet in any dimension or situated at a permanent location.
2. This abrasive blast system shall only be operated/maintained in strict accord with manufacturer's/supplier's recommendations and/or sound engineering principles.
3. Owner/operator shall not discharge into the atmosphere a visible emission with a shade as dark or darker than Ringelmann 1, or with an opacity of 20% or greater, for a period aggregating more than three minutes in any one hour.
4. This abrasive blast system shall only use those abrasives that have been certified by the California Air Resources Board (CARB) for dry unconfined usage, pursuant to CARB Executive Order (EO) G-02-006.
5. Nozzle orifice diameter shall not exceed 5/16 inch, and operating pressure shall not exceed 100 psig.

Fee Schedule: 7 (e)

Rating: 1 device

NAICS: 221118

SCC: 99999999

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

6. This facility, including the emissions from this Abrasive Blaster, shall not exceed 55 tpy of PM-10.

7. The o/o shall maintain a log for this unit, which at a minimum contains the information specified below. This log shall be maintained current and on-site for a minimum of five (5) years and shall be provided to District personnel on request:

- a. Date of device use;
- b. Duration of use, in hours;
- c. Annual hours of operation;
- d. Dimension of item being blasted.



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.

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

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.



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

B003943

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:

COOLING TOWER, SEGS IX consisting of: Marley six (6) cell counterflow model with a design drift rate of 0.0005 and a circulation rate of 56,400 gpm.

EQUIPMENT

Capacity	Equipment Description
900	Fans, Exhaust - six (6) @ 150 hp each & 1790 rpm
40	Pump, Circulation - one (1) @ 40 hp & 6000 gpm @ 705 rpm
1200	Pumps, Cooling Water - four (4) @ 300 hp and 14,100 gpm @ 705 rpm each
40	Pump, Auxiliary Cooling Water - one (1) @ 40 hp & 1775 rpm
60	Pumps, Cooling Tower Makeup - three (3) @ 20 hp each & 1765 rpm

CONDITIONS

1. All equipment shall be maintained and operated in strict accord with recommendations of the manufacturer/supplier and/or engineering principles.
2. The owner/operator (o/o) shall comply with District Rule 1503 relative to the "Hexavalent Chromium Emissions From Cooling Towers".

Fee Schedule: 1 (d)

Rating: 2240 bhp

NAICS: 221119

SCC: 99999999

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
Brad Poiriez

Air Pollution Control Officer

3. The drift rate shall not exceed 0.0005 percent and the maximum circulation rate shall be 56,400 gpm. The maximum emission rate of PM10 shall not exceed 2.8 lb/h, calculated using water circulation rate, drift rate, total dissolved solids, and PM10 fraction (as presented in FPL Energy letter dated 3/25/2003).

4. Weekly tests of the blowdown water quality shall be performed by the o/o in accordance with the standard test procedures. These weekly recordings, including mass emission rate, shall be logged. This log shall and be maintained current, on-site for a minimum of 2 years and provided to District personnel on request.

5. This equipment does not require a regularly scheduled emission compliance test. However, emission compliance testing may be required at the discretion of the District.

6. A maintenance procedure shall be established that states how often and what procedures will be used to ensure the integrity of the drift eliminators. This procedure is to be kept on-site and be available to District personnel on request.



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

B003944

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:

HEAT TRANSFER FLUID (HTF) ULLAGE SYSTEM, SEGS IX consisting of:

EQUIPMENT

Capacity	Equipment Description
0	Pump, Ullage Vessel - 15 gpm @ 160 psig, 30 hp @ 3520 rpm
0	Pump, Ullage Cooler Circulation - 3 hp @ 1750 rpm
0	Cooler, Ullage - E-399, 204600 Btu/hr @ 180 psig & 560 degrees F
0	Cooler, Ullage - E-400, 650000 Btu/hr @ 180 psig & 560 degrees F
0	Vessel, Ullage - V-373 2000 gal @ 180 psig & 500 degrees F
0	Vessel, Ullage Second - V-374, 2000 gal @ 15 psig & 250 degrees F
0	Vessel, Ullage Drain - V-377, 3000 gal @ 15 psig

CONDITIONS

1. All equipment shall be maintained and operated in strict accord with recommendations of the manufacturer/supplier and/or sound engineering principles.
2. If current non-criteria substances become regulated as toxic or hazardous substances and are used in this equipment, the owner/operator shall submit to the District a plan demonstrating how compliance will be achieved and maintained with such

Fee Schedule: 7 (j)

Rating: 1 device


NAICS: 221119

SCC: 99999999

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

regulations.



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

E002018

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:

DIESEL IC ENGINE, EMERGENCY GENERATOR, SEGS IX consisting of:

One Caterpillar, Diesel fired internal combustion engine Model No. SR-4 and Serial No. 81Z10087, producing 890 bhp with 12 cylinders at 1800 rpm while consuming a maximum of 44 gal/hr.

CONDITIONS

1. This stationary, compression-ignited, internal combustion engine shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit. [District Rule 201 and 40 CFR Part 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines]
2. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time. [17 CCR 93115 - Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines and 40 CFR Subpart ZZZZ]
3. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% (15ppm) on a weight per weight basis per CARB Diesel or equivalent requirements. [17 CCR 93115]

Fee Schedule: 7 (g)

Rating: 1 device

NAICS: 221119

SCC: 20100102

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

4. Engine may operate in response to notification of impending rotating outage if the area utility has ordered rotating outages in the area where the engine is located or expects to order such outages at a particular time, the engine is located in the area subject to the rotating outage, the engine is operated no more than 30 minutes prior to the forecasted outage, and the engine is shut down immediately after the utility advises that the outage is no longer imminent or in effect. [17 CCR 93115]

5. This unit shall be limited to use for emergency power, defined as in response to a fire or when commercially available power has been interrupted. In addition, this unit shall be operated no more than 20 hours per year for testing and maintenance, excluding compliance source testing. Time required for source testing will not be counted toward the 20 hour per year limit. [District Rule 1110.2, 17 CCR 93115, and 40 CFR Subpart IIII]

6. Owner/operator must meet the following requirements;

- a. Change oil and filter every 500 hours of operation or annually, whichever comes first. O/o may utilize an oil analysis program as described in 63.6625(i) in order to extend this requirement.
- b. Inspect air cleaner every 1,000 hours of operation or annually, whichever comes first; and
- c. Inspect all hoses and belts every 500 hours of operation or annually, whichever comes first, and replace as necessary. [40 CFR Subpart ZZZZ]

7. The o/o shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall include, at a minimum, the information specified below:

- a. Date of each use and duration of each use (in hours);
- b. Record(s) of engine maintenance including those specified in condition 6;
- c. Reason for use (testing & maintenance, emergency, required emission testing);
- d. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
- e. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log). [17 CCR 93115]

8. This unit shall not be used to provide power during a voluntary agreed to power outage and/or power reduction initiated under an Interruptible Service Contract (ISC); Demand Response Program (DRP); Load Reduction Program (LRP) and/or similar arrangement(s) with the electrical power supplier. [17 CCR 93115]

9. This genset is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Stationary Compression Ignition Engines (Title 17 CCR 93115) and 40 CFR Part 63, Subpart ZZZZ - National Emission Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines. In the event of conflict between these conditions and the aforementioned regulations, the more stringent requirements shall govern.

Dust Suppressant Application Verification

2022 Dust Suppressant Application

During the month of February 2022, Magnesium Chloride was applied to 15.5 miles of off-site dirt roads for annual PM10 mitigation. SEGS IX was invoiced for 15.5 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

• SHIPTO: SAME

Load Time: 0600

Load Date: 5 FEB 21

CARRIER: SWS

De. Time: 1400

Del. 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'S Weight Ticket # K

START _____ GAL. Truck Lic. _____ GROSS LBS. _____

TOTAL _____ GAL. Trailer Lic. _____ TARE LBS. _____

NET LBS. _____

Loaded By FMENDOZA Rec. By RFIMBRES TOTAL TONS 248.83

PHONE CONFIRMATION

SOUTH WESTERN SEALCOATING, INC.

Thank You

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

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

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. NO_x emissions are being calculated on a 30-day rolling average.

Title V Permit

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.

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

Waste Contractors List and Agreements

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

Luz Solar Partners 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 2022:

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.

2022 ANNUAL COMPLIANCE REPORT

II. BIOLOGICAL RESOURCES / WASTE MANAGEMENT

SEGS IX

2022 Non-Hazardous Waste Summary			
<u>Waste Type</u>	<u>Quantity (Tons)</u>	<u>Disposal Method and Facility</u>	
Clarifier Sludge Cake	14.81	Recycle	Helendale, CA
Clarifier Sludge Cake	16.62	Recycle	Helendale, CA
Clarifier Sludge Cake	17.08	Recycle	Helendale, CA
Clarifier Sludge Cake	17.11	Recycle	Helendale, CA
Clarifier Sludge Cake	17.88	Recycle	Helendale, CA
Clarifier Sludge Cake	17.80	Recycle	Helendale, CA
Clarifier Sludge Cake	12.84	Recycle	Helendale, CA
Clarifier Sludge Cake	16.17	Recycle	Helendale, CA
Clarifier Sludge Cake	16.74	Recycle	Helendale, CA
Clarifier Sludge Cake	16.02	Recycle	Helendale, CA
Clarifier Sludge Cake	14.95	Recycle	Helendale, CA
Clarifier Sludge Cake	14.73	Recycle	Helendale, CA
Clarifier Sludge Cake	16.01	Recycle	Helendale, CA
Clarifier Sludge Cake	12.88	Recycle	Helendale, CA
Clarifier Sludge Cake	12.32	Recycle	Helendale, CA
Clarifier Sludge Cake	13.88	Recycle	Helendale, CA
Clarifier Sludge Cake	11.70	Recycle	Helendale, CA
Clarifier Sludge Cake	8.57	Recycle	Helendale, CA
Clarifier Sludge Cake	17.09	Recycle	Helendale, CA
Clarifier Sludge Cake	14.18	Recycle	Helendale, CA
Clarifier Sludge Cake	15.73	Recycle	Helendale, CA
Clarifier Sludge Cake	15.58	Recycle	Helendale, CA
Clarifier Sludge Cake	16.21	Recycle	Helendale, CA
Clarifier Sludge Cake	9.06	Recycle	Helendale, CA
Clarifier Sludge Cake	10.25	Recycle	Helendale, CA
Clarifier Sludge Cake	15.27	Recycle	Helendale, CA
Clarifier Sludge Cake	20.31	Recycle	Helendale, CA
Clarifier Sludge Cake	21.13	Recycle	Helendale, CA
Clarifier Sludge Cake	2.91	Recycle	Helendale, CA
Clarifier Sludge Cake	15.37	Recycle	Helendale, CA
Clarifier Sludge Cake	7.43	Recycle	Helendale, CA
Clarifier Sludge Cake	15.90	Recycle	Helendale, CA

2022 ANNUAL COMPLIANCE REPORT

II. BIOLOGICAL RESOURCES / WASTE MANAGEMENT

SEGS IX

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

2022 Hazardous Waste Summary

MATERIAL	ACT. QTY. [TONS]	DISPOSAL METHOD	DISPOSAL SITE
Flammable Liquids	0.08	Recycle	Mexico
Oil Contaminated Debris	0.34	Landfill	Buttonwillow, CA
Oil Contaminated Debris	11.74	Landfill	Buttonwillow, CA
Oil Contaminated Debris	13.08	Landfill	Buttonwillow, CA
Mirror Glass Contaminated With Lead	10.30	Landfill	Beatty, NV
Oily Water with HTF	5.45	Recycle	Compton, CA

The following waste was generated in 2022 during the decommissioning of SEGS VIII.

There were 207 loads of mirror glass contaminated with lead shipped to the landfill in Beatty, NV totaling 4,773.94 tons.

TRUCK 01

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CA215715	2. Page 1 of 1	3. Emergency Response Phone 760 762 3149	4. Manifest Tracking Number 023883884 JJK	
5. Generator's Name and Mailing Address LUZ Solar Partners (760) 762-3149 Generator's Phone:		Generator's Site Address (if different than mailing address) 43880 Harper Lake road Hinkley, Ca. 92347				
6. Transporter 1 Company Name DFB Trucking		U.S. EPA ID Number CAE000274787				
7. Transporter 2 Company Name		U.S. EPA ID Number				
8. Designated Facility Name and Site Address US Ecology Inc. Nevada 775-553-2203 Facility's Phone:		U.S. EPA ID Number NVT 330010000				
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.
			No.	Type		
	X	1. Hazardous Waste Solid-LEAD Haz Class, 9NA 3077, Class III	1	DT	20	T
		2.				
		3.				
		4. truck 01 trailer on 8:00am				
14. Special Handling Instructions and Additional Information US Ecology Profile # 070310Z42-0						
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/Offoror's Printed/Typed Name Neal Davies		Signature <i>Neal Davies</i>		Month Day Year 11 10 22		
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 David Flores		Signature <i>David Flores</i>		Month Day Year 11 10 22		
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. M31	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					Month Day Year	
Printed/Typed Name Wiley Carlowa		Signature <i>Wiley Carlowa</i>			11 10 22	

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CAR 000 215715	2. Page 1 of 1	3. Emergency Response Phone 760-762 3149	4. Manifest Tracking Number 023883885 JJK	
5. Generator's Name and Mailing Address Luz Solar Partners (760) 762-3149 43880 Harper Lake road Hinkley, Ca. 92347				Generator's Site Address (if different than mailing address)		
6. Transporter 1 Company Name Figueroa Trucking				U.S. EPA ID Number CAR000 2629 72		
7. Transporter 2 Company Name				U.S. EPA ID Number		
8. Designated Facility Name and Site Address US Ecology Inc. Nevada Highway 95 Beatty, NV 89003				U.S. EPA ID Number NVT 3300 10000		
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			
X	1. Hazardous Waste Solid - LEAD Haz class 9, NA 3077, Class III	1	DT	20	T	181 0003
	2.					
	3.					
	4.					
14. Special Handling Instructions and Additional Information TRK # 24 TEL # 24 9:24 US Ecology Profile # 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/Offeror's Printed/Typed Name Neal Davies				Signature <i>Neal Davies</i>		Month Day Year 1 10 22
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 Jesus Figueroa				Signature <i>Jesus Figueroa</i>		Month Day Year 1 10 22
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.	2.	3.	4.			
M32						
20. Designated Facility Owner or Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a						Month Day Year
Printed/Typed Name Cheryl Covelover				Signature <i>Cheryl Covelover</i>		1 10 22

Please print or type.

Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CAR 000 215715		2. Page 1 of		3. Emergency Response Phone 700 702 3149		4. Manifest Tracking Number 023883886 JJK				
		5. Generator's Name and Mailing Address LUZ Solar Partners 43880 Harper Lake road Hunkley, Ca. 92347						Generator's Site Address (if different than mailing address)				
6. Transporter 1 Company Name Benito Trucking		U.S. EPA ID Number CAR#000259615										
7. Transporter 2 Company Name		U.S. EPA ID Number										
8. Designated Facility Name and Site Address US Ecology Inc. Nevada Highway 915 Beatty, NV 89003		U.S. EPA ID Number NVT 330010000										
Facility's Phone:												
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		
X		1. Hazardous Waste Solid- LEAD Haz Class 9, NA 3077, Class III				1 DT		20	T	181 0008		
		2.										
		3.										
		4. 9:13 TK #01 TR #110										
14. Special Handling Instructions and Additional Information US Ecology Profile # 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/Offeror's Printed/Typed Name Neal Davies						Signature <i>Neal Davies</i>		Month	Day	Year		
								1	10	22		
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 Benito Fagueron						Signature <i>Benito Fagueron</i>		Month	Day	Year		
								1	10	22		
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												
18b. Alternate Facility (or Generator)						Manifest Reference Number:		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. H13d		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 W Bruce Mear						Signature <i>W Bruce Mear</i>		Month	Day	Year		
								10	15	22		

78,240

Chico's 426

Please print or type.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CAR000215715	2. Page 1 of 1	3. Emergency Response Phone 760-762-3149	4. Manifest Tracking Number 023883887 JJK	
5. Generator's Name and Mailing Address Luz Solar Partners 43880 Harper Lake road Hinkley, Ca. 923471		Generator's Site Address (if different than mailing address)		U.S. EPA ID Number CAR000071134		
6. Transporter 1 Company Name Chico's Trucking Inc		U.S. EPA ID Number		U.S. EPA ID Number		
7. Transporter 2 Company Name		U.S. EPA ID Number		U.S. EPA ID Number		
8. Designated Facility Name and Site Address US Ecology Inc. Nevada Highway 95 Beatty NV. 89003		U.S. EPA ID Number		U.S. EPA ID Number NVT 330010000		
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
X	1. Hazardous Waste Solid-LEAD Haz Class 9, NA3077, Class III	1	DT	20	T	181 D008
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information 426 US Ecology Profile # 070310242-0 7:00 AM						
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 Neal Davies		Signature <i>Neal Davies</i>		Month 1	Day 11	Year 22
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 Joe Arevalo		Signature <i>Joe Arevalo</i>		Month 1	Day 11	Year 22
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.	2.	3.	4.			
20. Designated Facility Owner/Operator: Certification of receipt of hazardous materials covered by the manifest except as noted in Item 18a		Printed/Typed Name Lucen Cordova		Signature <i>Lucen Cordova</i>		Month 1 Day 11 Year 22

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CAR 000 215715	2. Page 1 of 1	3. Emergency Response Phone 760-762-3149	4. Manifest Tracking Number 023883888 JJK	
5. Generator's Name and Mailing Address Loz Solar Partners 43880 Harper Lake road Yukley, Ca. 923147				Generator's Site Address (if different than mailing address)		
Generator's Phone: (760) 762-3149		6. Transporter 1 Company Name Chilo's Trucking		U.S. EPA ID Number CA R 0000 71134		
7. Transporter 2 Company Name		U.S. EPA ID Number				
8. Designated Facility Name and Site Address US Ecology Inc. Nevada 775-553-2203 Highway 95 Beatty, NV. 89003				U.S. EPA ID Number NVT 3300 10000		
Facility's Phone:						
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
				No.	Type	12. Unit Wt./Vol.
X	1. Hazardous Waste Solid-LEAD Haz class 9, NA 3077, Class III			1	DT	20 T
						181 DRY'S
	2.					
	3.					
	4.					
14. Special Handling Instructions and Additional Information Thank you for US Ecology Profile # 070310242-0 Time 7:00 AM						
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/Offeror's Printed/Typed Name Neal Davies			Signature Neal Davies		Month Day Year 1/11/22	
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 Joe Arredondo			Signature Joe Arredondo		Month Day Year 1/11/22	
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.	2.	3.	4.			
H130						
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 Tubane Man			Signature Tubane Man		Month Day Year 01/11/22	

Hazardous Waste Storage

Under Conditions of Certification WASTE-5 (IX) Luz Solar Partners 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 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 IX did not apply for a variance to hazardous waste regulations or applied for a permit as a storage facility during the 2022 calendar year.

2022 ANNUAL COMPLIANCE REPORT

II. BIOLOGICAL RESOURCES / WASTE MANAGEMENT

SEGS IX

2021 Heat Transfer Fluid Waste Manifests

19031-PA19603
 3941-397424A RANDY

1322

Please print or type.

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CAR000215715	2. Page 1 of 1	3. Emergency Response Phone 800 458-3036	4. Manifest Tracking Number 017713669 FLE	
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: 760 762 3100						
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 BUTTONWILLOW 2500 WEST LOKERN RD BUTTONWILLOW CA 93208				U.S. EPA ID Number CAD980675276		
Facility's Phone: 661 762-6200						
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	28	Y	352
2.						
3.						
4.						
14. Special Handling Instructions and Additional Information 1) PROFILE # CH1785505B, DEBRIS, SOIL CONTAMINATED WITH THERMINOL BIN# WB-2 50# 2201398700 810518 35018						
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/Offeror's Printed/Typed Name JESE WHITE			Signature 		Month Day Year 11 07 22	
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 RUDY MATTHEWS			Signature 		Month Day Year 11 7 22	
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						
18b. Alternate Facility (or Generator) Manifest Reference Number: _____ 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. H137		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 JANE [Signature]			Signature 		Month Day Year 11 17 22	

DESIGNATED FACILITY TO GENERATOR

494920

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CAR000215715	2. Page 1 of 1	3. Emergency Response Phone (800) 424-9300	4. Manifest Tracking Number 020278381 JJK					
5. Generator's Name and Mailing Address LUZ SOLAR PARTNERS VIII AND IX 43880 HARPER LAKE RD HINKLEY CA 92347 Generator's Phone: 702-764-2400 760-762-3100				Generator's Site Address (if different than mailing address) 43880 HARPER LAKE RD HINKLEY CA 92347						
6. Transporter 1 Company Name WORLD OIL ENVIRONMENTAL SERVICES				U.S. EPA ID Number CAD028277036						
7. Transporter 2 Company Name				U.S. EPA ID Number						
8. Designated Facility Name and Site Address WORLD OIL RECYCLING 2000 NORTH ALAMEDA STREET COMPTON CA 90222 Facility's Phone: (310)537-7100				U.S. EPA ID Number CAT080013352						
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		
		1. NON-RCRA HAZARDOUS WASTE. LIQUID (USED OIL/MIXED OILS)		No.	Type					
				001	TT	1450	G	221		
		2.								
		3.								
	4.									
14. Special Handling Instructions and Additional Information EMERGENCY CONTACT : CHEMTREC 1-800-424-9300 WOES TERMINAL FONTANA NAERG# 9B1 : 171 * PROFILE # 9B1 : 491623 2/2/22 * APPROPRIATE PERSONAL PROTECTIVE EQUIPMENT										
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/Offeror's Printed/Typed Name x Neal Davies				Signature x Neal Davies			Month Day Year 5 10 22			
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 Paul Corrao				Signature 			Month Day Year 5 10 22		
	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									
	18b. Alternate Facility (or Generator)						Manifest Reference 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. H039		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 Michael Santizo				Signature 			Month Day Year 05 10 22			

1719

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CARD00215715	2. Page 1 of 1	3. Emergency Response Phone 800 458-3036	4. Manifest Tracking Number 021783867 JJK				
5. Generator's Name and Mailing Address LUZ SOLAR PARTNERS 43880 HARPER LAKE HINKLEY CA 92347 Generator's Phone: 760 762 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 BUTTONWILLOW 2500 WEST LOKERN RD BUTTONWILLOW CA 93206 Facility's Phone: 861 782-8200				U.S. EPA ID Number CAD980675278					
GENERATOR	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	
		1. NON RCRA HAZARDOUS WASTE SOLID (OIL, DEBRIS WITH THERMINOL)		0 0 1 CM		10	Y	352	
		2.							
		3.							
		4.							
14. Special Handling Instructions and Additional Information BIN# WB-2 SO# 2107843077 1) PROFILE # CH1785505B, DEBRIS, SOIL CONTAMINATED WITH THERMINOL									
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/Offeror's Printed/Typed Name IVAN CUNNINGHAM				Signature <i>Ivan Cunningham</i>		Month Day Year 3 11 22			
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 RANDY MATTHEWS				Signature <i>Randy Matthews</i>		Month Day Year 03 11 22			
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									
18b. Alternate Facility (or Generator)						Manifest Reference Number: 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 Sally W...				Signature <i>Sally W...</i>		Month Day Year 02 11 22			

Please print or type.

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Form Approved. OMB No. 2050-0039

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator ID Number CAR000215715	2. Page 1 of 1	3. Emergency Response Phone 800 458-3036	4. Manifest Tracking Number 021783942 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: 661 782-8200				U.S. EPA ID Number CAD980676278			
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	15	Y	352	
	2.						
	3.						
	4.						
14. Special Handling Instructions and Additional Information 1) PROFILE # CH1785505B, DEBRIS, SOIL CONTAMINATED WITH THERMINOL Bin # WB-1 SO # 2109752917							
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 Neal Davies				Signature Neal Davies		Month Day Year 06 20 22	
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 Gregory Swelson				Signature Gregory Swelson		Month Day Year 06 20 22	
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) Facility's Phone:				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		Signature	
						Month Day Year 06 20 22	

Heat Transfer Fluid Shipments

There were no HTF shipments to the SEGS IX facility in 2022.

2022 ANNUAL COMPLIANCE REPORT

II. BIOLOGICAL RESOURCES / WASTE MANAGEMENT

SEGS IX

BLM Habitat Well Water Usage

Annual Verification Report Form
and
Invoice for Administrative & Biological Assessments
4th Quarter (July 1 - September 30)
2021-22 Water Year

Account Number: LOC001P	Subarea: Centro	Free Production Allowance (FPA):	932 Ac-ft
Lockhart Land Holding, LLC		Prior Year Carryover:	0 Ac-ft
437 Madison Ave., 22nd Floor, Ste. A		FPA Transfers In:	0 Ac-ft
New York, NY 10022		FPA Transfers Out:	0 Ac-ft
		Carryover Transfers In:	1,004 Ac-ft
		Carryover Transfers Out:	0 Ac-ft
		Total Adjusted FPA:	1,936 Ac-ft

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	0	T	0
11N04W19E02	WELL #35	61.30	62.84	135.61	40.47	T	300.21
11N04W19J01	WELL #40	7.78	6.18	6.79	115.73	A	136.48
11N04W19O02	WELL #36	4.10	8.20	13.34	22.81	A	48.46
11N04W28R01	BLM Habitat Well	0.00	0.00	0.00	0	I	0
11N04W28R02	BLM Habitat Well #02	0.00	0	8.86	26.38	A	35.24
11N05W24L01	WELL #37	0.00	0.00	0.00	0	I	0
11N05W24P02	WELL #38	0.00	0.00	0.00	0	I	0
11N05W24Q02	WELL "D"	0.00	0.00	0.00	0	I	0
Totals:		73.18	77.22	164.60	205.39	Ac-Ft	520.39

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

Administrative Assessment @ \$ 4.10 per Ac-Ft (Production x \$ 4.10) \$ 842.10
 Biological Assessment @ \$ 0.96 per Ac-Ft (Production x \$ 0.96) \$ 197.17
Total Amount Due \$ 1,039.27

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

Neal Davies 43880 Harper Lake Rd.
 Contact (760) 762-3123 Mailing Address HINKLEY CA 92347
 Phone City State Zip Code
 I declare under penalty of perjury that the foregoing information is true and correct:
Neal Davies Lockhart Land Holding, LLC
 Individual Company
10/7/2022 Neal Davies
 Date Company Agent
10/7/2022 Date

Payment is due and payable October 31, 2022.

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, 2022 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.

2022 ANNUAL COMPLIANCE REPORT

II. BIOLOGICAL RESOURCES / WASTE MANAGEMENT

SEGS IX

2021 BRMIP Statement of Compliance



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

February 23, 2023

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

Subject: Biological Resources Mitigation Implementation Plan (BRIMP) Compliance

Dear Mr. Davies:

The Solar Energy Generating Systems (SEGS) VIII and IX facilities conducted all activities from January 1, 2022, to December 31, 2022, 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.

Richard A. Erickson
Designated Biologist

CONDITIONS OF CERTIFICATION

SEGS IX

Condition 4

LUZ Solar Partners 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 2022.

Condition 5

LUZ Solar Partners IX received no complaints of radio and television interference attributed to the transmission line facilities for the calendar year 2022.

Condition 6

LUZ Solar Partners IX maintained each transmission line poles free of waste material and rubbish for the calendar year 2022.

Transmission Line Inspection

2022 Inspection

The transmission line between the Harper Lake facilities and Kramer Junction was inspected in April 2022. The transmission line poles were free of waste material and rubbish.

Diesel Fuel Data

2022 Diesel Fuel Purchases provided under separate cover.

2022 ANNUAL COMPLIANCE REPORT

V. QUALIFYING FACILITY STATUS

SEGS IX

2022 Facility Status

SEGS IX

Power Output

129,603 Gross MWh

Primary Energy

1,486,141 mmbtu

Natural Gas Use

8,789 mmbtu

2022 ANNUAL COMPLIANCE REPORT

V. QUALIFYING FACILITY STATUS

SEGS IX

Power Plant Reliability

SEGS IX - 2022 Production Data

	FERC Solar Energy Input (MMBtu)	Natural Gas Energy Input (MMBtu)	Total Energy Input (MMBtu)	Net Electrical Production (MWh)	Monthly Capacity Factors			Plant Availability
					On- Peak	Mid- Peak	Off- Peak	
Jan	49,022	0	49,022	2,919	0.0%	91.3%	11.7%	71%
Feb	102,496	0	102,496	7,174		5.2%	0.0%	100%
Mar	136,546	0	136,546	10,733		14.3%	0.0%	100%
Apr	174,949	0	174,949	14,391		23.0%	0.0%	100%
May	169,129	0	169,129	14,173		25.3%	0.7%	85%
Jun	205,257	0	205,257	17,827	32.9%	40.8%	29.8%	96%
Jul	191,952	0	191,952	14,956	28.5%	28.0%	24.2%	100%
Aug	173,288	0	173,288	14,054	25.3%	28.7%	22.9%	100%
Sep	158,921	0	158,921	12,258	23.4%	21.1%	20.9%	100%
Oct	125,924	0	125,924	9,435	0.0%	15.0%	0.0%	88%
Nov	23,184	0	23,184	956		4.3%	0.0%	25%
Dec	46,469	2,705	49,174	2,303		0.1%	0.0%	100%
Year	1,557,135	2,705	1,559,840	1,562,545				

2022 ANNUAL COMPLIANCE REPORT

VI. CONDITIONS OF CERTIFICATION

SEGS IX

Compliance Matrix

COMPLIANCE REQUIREMENTS FOR SEGS VIII & SEGS IX				
Date: February 07, 2016				
CONDITION	ISSUE	SUBMIT TO	PERMIT REQUIREMENTS	STATUS
AIR QUALITY				
AQ 1-1 IX AQ 1-1 VIII	Restrict heater NO _x emissions <328.5 lb/day Low NO _x burners		Effective 6/1/92 Install low NO _x burners	Deleted May 10, 2001 Complete
AQ 1-2 IX AQ 1-2 VIII	NO _x emission controls to Southern Cal Gas engines NO _x emissions	CEC CPM	Must be modified by 6/1/91 Monitor NO _x 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

2022 ANNUAL COMPLIANCE REPORT

VI. CONDITIONS OF CERTIFICATION

SEGS IX

COMPLIANCE REQUIREMENTS FOR SEGS VIII & SEGS IX				
Date: February 07, 2016				
CONDITION	ISSUE	SUBMIT TO	PERMIT REQUIREMENTS	STATUS
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 _x >300 lb/day data collection		Report occasions when NO _x >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

2022 ANNUAL COMPLIANCE REPORT

VI. CONDITIONS OF CERTIFICATION

SEGS IX

COMPLIANCE REQUIREMENTS FOR SEGS VIII & SEGS IX				
Date: February 07, 2016				
CONDITION	ISSUE	SUBMIT TO	PERMIT REQUIREMENTS	STATUS
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 _x 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 ⁶ 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

2022 ANNUAL COMPLIANCE REPORT

VI. CONDITIONS OF CERTIFICATION

SEGS IX

COMPLIANCE REQUIREMENTS FOR SEGS VIII & SEGS IX				
Date: February 07, 2016				
CONDITION	ISSUE	SUBMIT TO	PERMIT REQUIREMENTS	STATUS
			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 _x emissions in ppm and lbs/hr Quarterly total tons emitted for NO _x based on CEMS data	Ongoing

2022 ANNUAL COMPLIANCE REPORT

VI. CONDITIONS OF CERTIFICATION

SEGS IX

COMPLIANCE REQUIREMENTS FOR SEGS VIII & SEGS IX				
				Date: February 07, 2016
CONDITION	ISSUE	SUBMIT TO	PERMIT REQUIREMENTS	STATUS
			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 _x emissions for HTF heaters, diesel generators, diesel fire pumps When CEMS data is missing, use previous 24 hours of NO _x 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

2022 ANNUAL COMPLIANCE REPORT

VI. CONDITIONS OF CERTIFICATION

SEGS IX

COMPLIANCE REQUIREMENTS FOR SEGS VIII & SEGS IX				
Date: February 07, 2016				
CONDITION	ISSUE	SUBMIT TO	PERMIT REQUIREMENTS	STATUS
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 _x 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

2022 ANNUAL COMPLIANCE REPORT

VI. CONDITIONS OF CERTIFICATION

SEGS IX

COMPLIANCE REQUIREMENTS FOR SEGS VIII & SEGS IX				
				Date: February 07, 2016
CONDITION	ISSUE	SUBMIT TO	PERMIT REQUIREMENTS	STATUS
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
BIOLOGICAL RESOURCES				
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

2022 ANNUAL COMPLIANCE REPORT

VI. CONDITIONS OF CERTIFICATION

SEGS IX

COMPLIANCE REQUIREMENTS FOR SEGS VIII & SEGS IX				
Date: February 07, 2016				
CONDITION	ISSUE	SUBMIT TO	PERMIT REQUIREMENTS	STATUS
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

2022 ANNUAL COMPLIANCE REPORT

VI. CONDITIONS OF CERTIFICATION

SEGS IX

COMPLIANCE REQUIREMENTS FOR SEGS VIII & SEGS IX				
Date: February 07, 2016				
CONDITION	ISSUE	SUBMIT TO	PERMIT REQUIREMENTS	STATUS
			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

2022 ANNUAL COMPLIANCE REPORT

VI. CONDITIONS OF CERTIFICATION

SEGS IX

COMPLIANCE REQUIREMENTS FOR SEGS VIII & SEGS IX				
				Date: February 07, 2016
CONDITION	ISSUE	SUBMIT TO	PERMIT REQUIREMENTS	STATUS
			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

2022 ANNUAL COMPLIANCE REPORT

VI. CONDITIONS OF CERTIFICATION

SEGS IX

COMPLIANCE REQUIREMENTS FOR SEGS VIII & SEGS IX				
Date: February 07, 2016				
CONDITION	ISSUE	SUBMIT TO	PERMIT REQUIREMENTS	STATUS
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

2022 ANNUAL COMPLIANCE REPORT

VI. CONDITIONS OF CERTIFICATION

SEGS IX

COMPLIANCE REQUIREMENTS FOR SEGS VIII & SEGS IX				
Date: February 07, 2016				
CONDITION	ISSUE	SUBMIT TO	PERMIT REQUIREMENTS	STATUS
			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

2022 ANNUAL COMPLIANCE REPORT

VI. CONDITIONS OF CERTIFICATION

SEGS IX

COMPLIANCE REQUIREMENTS FOR SEGS VIII & SEGS IX				
				Date: February 07, 2016
CONDITION	ISSUE	SUBMIT TO	PERMIT REQUIREMENTS	STATUS
WATER RESOURCES				
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

2022 ANNUAL COMPLIANCE REPORT

VI. CONDITIONS OF CERTIFICATION

SEGS IX

COMPLIANCE REQUIREMENTS FOR SEGS VIII & SEGS IX				
				Date: February 07, 2016
CONDITION	ISSUE	SUBMIT TO	PERMIT REQUIREMENTS	STATUS
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

2022 ANNUAL COMPLIANCE REPORT

VI. CONDITIONS OF CERTIFICATION

SEGS IX

COMPLIANCE REQUIREMENTS FOR SEGS VIII & SEGS IX				
				Date: February 07, 2016
CONDITION	ISSUE	SUBMIT TO	PERMIT REQUIREMENTS	STATUS
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
SOCIOECONOMICS				
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
PUBLIC HEALTH				
PH 1	HTF barrier	CEC		Complete

2022 ANNUAL COMPLIANCE REPORT

VI. CONDITIONS OF CERTIFICATION

SEGS IX

COMPLIANCE REQUIREMENTS FOR SEGS VIII & SEGS IX				
Date: February 07, 2016				
CONDITION	ISSUE	SUBMIT TO	PERMIT REQUIREMENTS	STATUS
		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

2022 ANNUAL COMPLIANCE REPORT

VI. CONDITIONS OF CERTIFICATION

SEGS IX

COMPLIANCE REQUIREMENTS FOR SEGS VIII & SEGS IX				
				Date: February 07, 2016
CONDITION	ISSUE	SUBMIT TO	PERMIT REQUIREMENTS	STATUS
WASTE MANAGEMENT				
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

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VI. CONDITIONS OF CERTIFICATION

SEGS IX

COMPLIANCE REQUIREMENTS FOR SEGS VIII & SEGS IX				
Date: February 07, 2016				
CONDITION	ISSUE	SUBMIT TO	PERMIT REQUIREMENTS	STATUS
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

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VI. CONDITIONS OF CERTIFICATION

SEGS IX

COMPLIANCE REQUIREMENTS FOR SEGS VIII & SEGS IX				
				Date: February 07, 2016
CONDITION	ISSUE	SUBMIT TO	PERMIT REQUIREMENTS	STATUS
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
PUBLIC AND WORKER SAFETY				
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.	
SAFETY & FIRE PROTECTION				
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

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VI. CONDITIONS OF CERTIFICATION

SEGS IX

COMPLIANCE REQUIREMENTS FOR SEGS VIII & SEGS IX				
				Date: February 07, 2016
CONDITION	ISSUE	SUBMIT TO	PERMIT REQUIREMENTS	STATUS
			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
POWER PLANT RELIABILITY				
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
QUALIFYING FACILITY STATUS				
QFS 1 VIII & IX		CEC CPM	Operate facility in accordance with requirements of Title 18 CFR Continuously monitor total energy input	Ongoing

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SEGS IX

COMPLIANCE REQUIREMENTS FOR SEGS VIII & SEGS IX				
				Date: February 07, 2016
CONDITION	ISSUE	SUBMIT TO	PERMIT REQUIREMENTS	STATUS
TRANSMISSION LINE SAFETY & NUISANCE				
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
FACILITY SECURITY & DECOMMISSIONING				
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
MISCELLANEOUS				

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VI. CONDITIONS OF CERTIFICATION

SEGS IX

COMPLIANCE REQUIREMENTS FOR SEGS VIII & SEGS IX				
				Date: February 07, 2016
CONDITION	ISSUE	SUBMIT TO	PERMIT REQUIREMENTS	STATUS
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

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VI. CONDITIONS OF CERTIFICATION

SEGS IX

COMPLIANCE REQUIREMENTS FOR SEGS VIII & SEGS IX				
Date: February 07, 2016				
CONDITION	ISSUE	SUBMIT TO	PERMIT REQUIREMENTS	STATUS
	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

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VI. CONDITIONS OF CERTIFICATION

SEGS IX

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 1,500 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.

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.

May

We anticipate power generation will be in solar only mode at SEGS IX.

June – July – August – September

During the peak season we anticipate power generation will be in solar only mode.

October

We anticipate power generation will be in solar only mode at SEGS IX.

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VI. CONDITIONS OF CERTIFICATION

SEGS IX

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.

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.

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VI. CONDITIONS OF CERTIFICATION

SEGS IX

Facility Changes

No changes were made to the Facility.

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VI. CONDITIONS OF CERTIFICATION

SEGS IX

2022 Elapsed Submittals

To the best of our knowledge, all submittal deadlines were met during the 2022 calendar year.

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VI. CONDITIONS OF CERTIFICATION

SEGS IX

Filings with Other Governmental Agencies

2022 Additional Filings

The following is a summary of the filings made during 2022 with governmental agencies having permitting authority over the SEGS IX projects.

- All quarterly semi-annual and annual reporting was submitted on schedule in 2022 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 2022, 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.

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VI. CONDITIONS OF CERTIFICATION

SEGS IX

Onsite Compliance File – Additions / Deletions

2022 ANNUAL COMPLIANCE REPORT

VII. WATER RESOURCES / WATER

SEGS IX

Lahontan Regional Water Quality Control Board Annual Report

The Second Semi-Annual 2022 Monitoring Report was submitted under separate cover.

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 2022 calendar year.

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VII. WATER RESOURCES / WATER

SEGS 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					Out of commission requiring overhaul.
P36	11N/4W-19Q02	8/19/2022	153.0	2058	1904	
P40	11N/4W-19J01	8/19/2022	130.3	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	
P36	11N/4W-19Q02	797
P40	11N/4W-19J01	1123

Production Well Total Annual Extractions

Well Number	State Well Number	Annual Extraction Amount (acre-feet)
P34	11N/4W-19E01	
P35	11N/4W-19E02	300.21
P36	11N/4W-19Q02	48.46
P40	11N/4W-19J01	136.48

Condition of Certification – WATER-8

Luz Solar Partners 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 IX and have fully complied with the SEGS Unit VIII Condition of Certification WATER-8 during the calendar year 2022.

Luz Solar Partners IX did not perform any road maintenance or other required repairs on adjacent properties in the 2022 calendar year since there were no damages to adjacent properties as a result of flooding, scouring, or erosion.

Decommissioning Fund

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

Traffic and Transportation Road Monitoring

Conditions of Certification – TRANS-6 (IX)

Luz Solar Partners IX has record of no accidents on Harper Lake, Hoffman, and Lockhart Roads, and Santa Fe Avenue during the 2022 calendar year involving SEGS IX Operations. As a result of this monitoring, no further mitigation measures were proposed by Luz Solar Partners IX in 2022.