

DOCKETED

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Project Title:	COMPLIANCE-Luz Solar Electric Generating System Cogeneration AFC (150 MW) Units III-VII.
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Document Title:	SEGS III-VII Annual Report 2021
Description:	N/A
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NextEra Energy Operating Services, Inc., 41100 US Highway 395, Boron, CA
93516
760-762-5562

February 4, 2022

Mr. John Heiser
Compliance Project Manager (87-AFC-1C)
California Energy Commission
1516 Ninth Street (MS-2000)
Sacramento, CA 95814-5512

Dear Mr. Heiser:

Please find attached the Annual Compliance Report for the calendar year 2021 for operations at the Kramer Junction site, SEGS III-VII. The specific compliance conditions addressed are noted within the report.

Sincerely,

A handwritten signature in blue ink that reads "Maria Elena Lopez".

Maria Elena Lopez
Environmental Specialist
Agent for
LUZ Solar Partners III - VII

cc: file

2021 COMPLIANCE REPORT

SEGS III-VII

I. CURRENT PROJECT STATUS

The SEGS VI and VII facilities were placed into cold layup in the fourth quarter of 2018 and the SEGS III – V facilities were placed in cold layup October 31, 2019.

The SEGS VI and SEGS VII facilities were placed in cold lay up in October 2018 and November 2018, respectively, per Cold Lay Up Plan submitted to the California Energy Commission (CEC). The SEGS III – V facilities were placed in cold lay up in October 2019 per the updated Cold Lay Up Plan submitted to the CEC.

The facility remained in cold lay up throughout 2021. All remaining HTF was removed from all five solar fields and Power Blocks during the first quarter of 2020.

Copies of remaining MDAQMD permits are attached at the end of this report, per COC 1-16 and 1-35.

II. Compliance Condition Reports

Condition 1-11

AQMD Rules

The SEGS III-VII projects have maintained compliance with all applicable rules and regulations of the MDAQMD during 2021.

The CEC-CPM has been provided copies of all agency correspondence, where required by Conditions of Certification.

Condition 1-12

CFR Rules

Audits of the CEMS were not performed during year at the SEGS III – VII facilities. The Monitoring Plan reports were submitted for each calendar quarter, which included outages, drift and exceedance reports.

Conditions 1-19, 11-14

Malfunctions/Spill Reports

During 2021, there were 554 shipments of hazardous waste from the site. All transporters and disposal facilities are certified, and appropriate manifests were submitted.

The combined solid and liquid wastes that were transported to the recycling facility at World Oil, Compton, CA, Asbury Environmental Fontana, CA, and US Ecology Beatty, NV. The shipments consisted of broken reflective panels, contaminated debris, contaminated soil, used oil, HTF, Wecosol, sulfuric acid, with a combined total of 11,058 tons.

Condition 1-24

Compliance Tests

Annual emission compliance tests for SEGS III - V were not performed due to cancellation of the boiler permits.

Condition 1-25

Natural Gas Source

The auxiliary heaters have used only commercial grade natural gas fuel. The gas was purchased from NextEra Power Marketing and delivered through Pacific Gas and Electric (PG&E).

Condition 1-29

Emissions Monitoring Report

Reports of all Monitoring Plan reporting requirements were submitted to MDAQMD within 30 days following the end of each calendar quarter, with copies provided to CEC-CPM, EPA and CARB.

Condition 1-33

Diesel Fuel Usage

Diesel fuel usage amounts, BTU content, and sulfur content are listed below for all diesel fuel purchased during the reporting period.

Date	Quantity Gal.	Sulfur Content ppm	BTU Content BTU/gal
06/30/2021	2500	15	137000

Condition 6-2

Evaporation Pond Monitoring

Monitoring reports have been submitted to LRWQCB on a semi-annual basis, as is required per the conditions of the permit issued April 3, 1997. Copies of these reports were submitted under separate cover.

Condition 11-1, 11-8 **Waste Disposal Verification**

Pursuant to all applicable Laws, Ordinances, Regulations and Standards (LORS), Luz Solar Partners III - VII is handling and disposing of all wastes (hazardous and non-hazardous) within all known compliance parameters.

Applicable hazardous waste manifests were submitted to Cal-EPA Department of Toxic Substances Control as per requirements. Submittal of copies of these manifests to CEC is no longer required, per verbal communication with CEC-CPM June 13, 1991. A summary of waste generation is shown in tabular form per Condition 11-6.

Condition 11-6

Waste Summary Report

Non-Hazardous Wastes

Sanitary Wastes

No significant amount of wastes from chemical toilets was disposed of off-site.

Hazardous Wastes

Liquid Wastes

90,900 gallons of liquid waste materials were removed for off-site recycling at a permitted hazardous waste recycling facility.

Solid Wastes

10,678 tons of solid waste materials were removed for disposal at permitted Class 1 landfills.

Liquid and solids combined total of 11,058 tons.

Condition 11-10

HTF Accounting

The table that follows represents an accounting of heat transfer fluid (Therminol VP-1 and Dowtherm A) at each of the SEGS Units III through VII. The inventory figures are based on data collected over the reporting period. The inventory volumes are corrected to the HTF density at 100°F. Due to variations in the temperature profile of each solar field and interpretation of level indicators, the numbers presented here are subject to a possible error of 2.5% or more as can be seen by the very large variation year over year in the table. It is a practice to periodically transfer HTF between SEGS units; therefore, a site total inventory is shown.

Reportable Spills are incidents in which more than 20 gallons are spilled onto the soil and/or a significant vapor release occurs. Non-reportable spills are either incidental amounts or are completely contained.

HTF INVENTORY					
December 31, 2020 - December 31, 2021					
<i>(Quantities Shown in Gallons)</i>					
SEGS	Inventory December 2020	Inventory December 2021	HTF Purchased	Reportable Spills (gal.)	Non-Reportable Spills (gal.)
III	0	0*	0	35	0
IV	0	0*	0	0	0
V	0	0*	0	0	0
VI	0	0*	0	0	0
VII	0	0*	0	0	0
Storage	0	0	0	---	---
Site Totals	0	0	0	0	0

* December 2021 inventory amounts reflect shipments made to World Oil for recycling from all five plants during the decommissioning efforts.

During the year, SEGS III-VII shipped 90,900 gallons to World Oil.

Reportable Spills

On August 12, 2021 a release of approximately 35 gallons of heat transfer fluid (HTF) was discovered in the SEGS III Solar Field. The release is a result of demolition activities ongoing in the solar field. Letter of notification is at the end of this report as Attachment A.

Condition 12-9

Fire Program Examination

The mutual aid agreement between the San Bernardino County Fire Department and KJC Operating Company (KJC OC) was renewed in April 2002. This agreement was cancelled in 2010 by the new site owners.

Condition 14-1

SCE T-Line Inspection

A letter requesting a copy of the most recent Sungen/Kramer transmission line annual inspection report was submitted to Southern California Edison July 17, 1990. The reply received July 27, 1990 stated that SCE does not provide such records to any outside agency or organization. The letter did describe SCE's inspection procedure. A copy of this letter was attached to the annual report submitted August 1991.

Condition 14-4

Induced Voltage Complaints

There have been no complaints to date from property owners or the public regarding problems due to induced voltage on vehicles, irrigation equipment, or any other objects within the power line right-of-way. Therefore, there are no records from which to gather a summary.

Condition 14-5

Radio Interference Complaints

There have been no complaints of, nor does Luz Solar Partners III - VII know of, any occurrences of radio and television interference attributed to our transmission line facilities. Therefore, there are no case files from which to compile a summary of corrective actions.

Condition 14-6

Transmission Line Inspection

The Kramer site transmission lines were inspected December 2021 and were found to be free of waste material, rubbish and significant vegetation. The inspection included transmission lines both inside and outside of the site perimeter fence.

Condition 19-1, 19-2

Production Data Report

A report of the required production data for 2021 is not included with this report as no production occurred during the reporting period.

Condition 23-5

AVEK Water Deliveries (Acre-Feet)

MONTH	2020	2021
January	1	0
February	2	0
March	3	0
April	.5	0
May	.5	1
June	0	1
July	0	4
August	0	6
September	0	4
October	0	6
November	0	6
December	0	4
Total Acre Feet	7	32

Condition 24-1

Transportation Permits

Luz Solar Partners III - VII did not obtain or receive any transportation permits during the 2021 calendar year.

Luz Solar Partners III - VII does not independently transport hazardous or oversized loads over public highways; therefore, Luz Solar Partners III - VII has not applied, nor intends to apply, for a permit of this type. All loads received or commissioned to be delivered to our facilities, which are subject to such D.O.T., Cal-Trans or Highway Patrol permits, are obtained by and are the responsibility of the transporter providing that service.

III. FUTURE COMPLIANCE ACTIVITIES

There are no compliance activities planned for the 2022 calendar year beyond the normal monitoring and reporting.

IV. AGENCY SUBMITTALS

Correspondences with other governmental agencies are listed below. For those items where the Conditions of Certification require that copies be provided to the CEC, copies have already been provided or a copy is attached (denoted as “att.”).

DATE	TO	FROM	SUBJECT
Jan 21	LRWQCB	LSP III - VII	Pond Monitoring Report
Jan 21	LRWQCB	LSP III - VII	Bioremediation Report
Jul 21	LRWQCB	LSP III - VII	Bioremediation Report
Jul 21	LRWQCB	LSP III - VII	Pond Monitoring Report

Abbreviations

LSP III - VII
LRWQCB
MDAQMD

Luz Solar Partners III - VII
Lahontan Region Water Quality Control Board
Mojave Desert Air Quality Management District

MDAQMD PERMITS-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

N005073

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: JANUARY 2022

OWNER OF OPERATOR (Co. #277)

FPL Energy Solar Partners III-VII, LLC
41100 Highway 395
Boron, CA 93516

EQUIPMENT LOCATION (Fac. #941)

SEGS (III through VII)
41100 Highway 395
Boron, CA 93516

Description:

GASOLINE DISPENSING FACILITY (NON-RETAIL) consisting of: SEGS VI

FUEL TANKS

Tank No.	Material Stored	Volume (US Gallons)	Above/Underground

DISPENSING EQUIPMENT

Fuel Type	Quantity
87U	1
Diesel	1

VAPOR CONTROL EQUIPMENT

Type	Equipment Name	Compliance
PII	BAL	G-70-167
PI	CO	G-70-167

CONDITIONS:

Fee Schedule: 5 (a) Rating: 5000 gallons SIC: 4911 SCC: 40600603 Location/UTM(Km): 450E/3874N

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.

FPL Energy Solar Partners III-VII, LLC
41100 Highway 395
Boron, CA 93516

By: **COPY**
Brad Poiriez
Air Pollution Control Officer

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. This log shall be kept current, on-site for a minimum of 2 years and provided to District personnel on request.
3. Any modifications or changes to the piping or control fittings of the vapor recovery system requires 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.

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.

6. The annual throughput of gasoline shall not exceed 60,000 gallons per year. Throughput records shall be kept on site and available to District personnel upon request, and annual throughput for the previous calendar year shall be provided to the District not later than the end of February of each year. Before this annual throughput can be increased the facility is required to submit to the District an application to modify the permit which may require a Health Risk Assessment (HRA). In addition, public notice and/or a commenting period may be required.
[District Rule 1320 - NSR for Toxic Air Contaminants; District Rule 107(b); H&S Code 39607 & 44341-44342; and 40 CFR 51, Subpart A]
7. The o/o shall maintain and operate this equipment in compliance with CARB Executive Order G-70-167.



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

E009445

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: JANUARY 2022

OWNER OF OPERATOR (Co.#277)

FPL Energy Solar Partners III-VII, LLC
41100 Highway 395
Boron, CA 93516

EQUIPMENT LOCATION (Fac.#941)

SEGS (III through VII)
41100 Highway 395
Boron, CA 93516

Description:

GASOLINE IC ENGINE, EMERGENCY GENERATOR consisting of:

One Ford, 87U fired internal combustion engine Model No. LSG-8751-6005-A and Serial No. 17806 T-18-TT, producing 87 bhp with 8 cylinders at 1800 rpm while consuming a maximum of 9.0 gal/hr. This equipment powers a Onan Generator Model No. 60EN and Serial No. B890206154, rated at 60kW.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	211.7	gm/bhp-hr
NOx	8.8	gm/bhp-hr
VOC	2.8	gm/bhp-hr

CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.

2. 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

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 4911

SCC: 20300301

Location/UTM(Km):
450E/3874N

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.

FPL Energy Solar Partners III-VII, LLC
41100 Highway 395
Boron, CA 93516

By: **COPY**
Brad Poiriez
Air Pollution Control Officer

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.

3. This ICE shall only be fired on gasoline.

4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.

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.

6. 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. Reason for use (testing & maintenance, emergency, required emission testing); and
- c. Calendar year operation in terms of fuel consumption (in gallons) and total hours.



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

**DUST CONTROL PLAN
AUTHORIZATION**

DCP000048

This Dust Control Plan is authorized in response to District Rule 302(J)(2). This authorization is designed to enforce the provisions of Division 26 of the California Health & Safety Code and applicable District Rules and Regulations. Operations covered by this authorization must be conducted in compliance with all information included with the initial submission and requirements specified below. Equipment referenced by this authorization must be maintained and kept in good operating condition at all times. This authorization shall be maintained on site at the location referenced below at all times.

EXPIRES LAST DAY OF: JANUARY 2022

OWNER OR OPERATOR (Co. #277)

FPL Energy Solar Partners III-VII, LLC
41100 Highway 395
Boron, CA 93516

EQUIPMENT LOCATION (Fac. #941)

SEGS (III through VII)
41100 Highway 395
Boron, CA 93516

Descriptions:

DUST CONTROL PLAN (RULE 403(C)(6)(a) CONSTRUCTION/DEMOLITION) consisting of: a 1019 acre solar thermal facility decommissioning project located just northwest of Kramer Junction expected to begin as early as May 2021 and to be completed January 2022. Project Owner is Glen King with NextEra Energy (760) 762-5562 x440. Decommissioning Project Manager and 24-hour contact is Stephen Kalina (619) 823-3892. This Dust Control Plan and project site was inspected by District staff as required by Rule 403(D)(7) on [date tbd].

REQUIREMENTS

1. The owner/operator (o/o) shall comply with the dust control plan application submitted in response to Rule 403, as approved by the Air Pollution Control Officer (APCO) and incorporated into this Dust Control Plan (DCP) by reference, including those specific elements regarding watering for short-term stabilization, trackout prevention and cleanup, haul vehicle freeboard and covers, graded surface stabilization, high wind condition actions, natural topography, and project scheduling.
[Rule 403(C)(6) and (D)(1)]

2. The o/o shall install signage in accordance with Rule 403 Attachment B and as approved by the Air Pollution Control Officer (APCO) prior to the start of any Active Operations as defined by Rule 403, and such signage shall be maintained for the duration of Active Operations.
[Rule 403(D)(3)]

Fee Schedule: 12 ()

Rating: 1 plan

NAICS: 221118

SCC: 2311000100

Location/Coordinates:
+35.01308, -117.56112

This plan 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 plan cannot be construed as permission to violate existing laws, ordinances, statutes or regulations of this or other governmental agencies. This plan must be renewed by the expiration date above. If billing for renewal fee required by Rule 302 is not received by expiration date above, please contact the District.

FPL Energy Solar Partners III-VII, LLC
41100 Highway 395
Boron, CA 93516

By: 
Brad Poiriez
Air Pollution Control Officer

3. This DCP indicates that the dust control plan application submitted in response to Rule 403 has been conditionally approved by the APCO. Full approval of this DCP is contingent upon satisfying condition 4 below. This DCP remains valid until the termination of all Active Operations as defined in Rule 403, unless disapproved by the APCO or not recertified in accordance with Rule 403.

[Rule 403(D)(5)]

4. The o/o notify the APCO not less than ten days prior to the commencement of Active Operations as defined by 403 (by mail, facsimile or email to reporting@mdaqmd.ca.gov). The o/o shall consequently meet with District staff on-site to review dust control requirements and commitments and to confirm compliance with this DCP and Rule 403 prior to the start of Active Operations.

[Rule 403(D)(7)]

5. The o/o must notify the Mojave Desert Air Quality Management District (District) within ten days if a significant change occurs to the project or operations covered by this DCP (by mail, facsimile or email to reporting@mdaqmd.ca.gov). An appropriately modified dust control plan application must be submitted to the District within thirty days of the change.

[Rule 403(D)(8)]

6. The o/o shall recertify this DCP annually through response to the renewal invoice. The response may consist of a statement of 'no change' if there has been no change to sources, control measures or special circumstances as detailed in the approved dust control plan application (in which case resubmittal/renewal fees shall be waived), or 'no longer active' as specified below.

[Rule 403(D)(9)]

7. The o/o shall notify the APCO in writing (by mail, facsimile or email to reporting@mdaqmd.ca.gov) within thirty days after the project/facility/site no longer qualifies as an Active Operation as defined by Rule 403.

[Rule 403(D)(10)]

8. The o/o shall pay submittal, resubmittal/recertification, site inspection, and site stability inspection fees as specified in Rule 302, Rule 403 and as specified above, or this DCP shall be deemed disapproved by the APCO.

[Rule 403(D)(11)]

9. The o/o shall maintain a copy of the dust control plan application, and records demonstrating compliance with the requirements of this DCP and Rule 403. Compliance demonstration records are required only for those days that a control measure was implemented. Records shall be maintained for at least two years (or through the completion of the project), and shall be provided to District personnel upon request.

[Rule 403(F)(1)]

10. If demolitions are planned or required as a part of this project/facility/site, the o/o shall submit asbestos demolition/renovation notification and related fees prior to demolition as required by the asbestos NESHAP (National Emissions Standard for Hazardous Air Pollutants Subpart M) and District policy.

[40 CFR 61, Subpart M]

11. The o/o shall not cause or allow the emissions of fugitive dust from any transport, handling, construction or storage activity so that the fugitive dust is visible in the atmosphere beyond the property line of the emissions source.

[Rule 403(C)(1)]

12. The o/o shall take every reasonable precaution to minimize fugitive dust emissions from wrecking, excavation, grading, clearing of land, and solid waste disposal operations.

[Rule 403(C)(2)]



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

B009350

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: JANUARY 2022

OWNER OF OPERATOR (Co. #277)

FPL Energy Solar Partners III-VII, LLC
41100 Highway 395
Boron, CA 93516

EQUIPMENT LOCATION (Fac. #941)

SEGS (III through VII)
41100 Highway 395
Boron, CA 93516

Description:

PORTABLE IC ENGINE, DIESEL AIR COMPRESSOR 02 consisting of: Model Year 2010, Tier III Engine Family AJDXL04.5112

One John Deere, Diesel fired internal combustion engine Model No. 4045TF and Serial No. PE4045L109852, producing 85 bhp with 4 cylinders at 2500 rpm while consuming a maximum of 5.0 gal/hr. This equipment powers a Sullair Compressor Model No. 250PJD and Serial No. 2903, rated at 150 psi.

EMISSIONS RATES

Emission Type	Est. Max Load	Unit
CO	0.158	lbs/hr
NOx	0.55	lbs/hr
PM10	0.043	lbs/hr
SOx	0.001	lbs/hr
VOC	0.029	lbs/hr

CONDITIONS:

1. This equipment shall be installed, operated and maintained in strict accord with those recommendations of the manufacturer/supplier and/or sound engineering principles, which produce the minimum emissions of contaminants. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.

Fee Schedule: 1 (b)

Rating: 85 bhp

SIC: 4911

SCC: 20200102

Location/UTM(Km):
450E/3874N

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.

FPL Energy Solar Partners III-VII, LLC
41100 Highway 395
Boron, CA 93516

By: **COPY**
Brad Poiriez
Air Pollution Control Officer

2. This diesel ICE and its associated equipment cannot be operated at the same footprint (spot) for more than 365 consecutive days. (This system must be moved within this facility or moved to another facility annually.)

3. This unit shall only be fired on ultra-low sulfur diesel fuel, whose sulfur concentration is less than or equal to 0.0015% or 15 ppm on a weight per weight basis per CARB Diesel or equivalent requirements. (Title 17 CCR Section 93116.3(a))

4. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.

5. This engine shall not be operated for more than 3 hours in any calendar day (24 hour period) and more than 100 hours in any rolling 12 month year.

6. The o/o shall maintain a operations log for this unit current and on-site (or at a central location) for a minimum of three (3) 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. Reason for use (testing & maintenance, emergency, required emission testing);
 - c. Calendar year operation in terms of fuel consumption (in gallons) and total hours; and,
 - d. Fuel sulfur concentration (the o/o may use the supplier's certification of sulfur content if it is maintained as part of this log).

7. The fleet under control of this o/o is subject to and shall comply with the weighted PM emission fleet averages expressed as grams per brake horsepower-hour (g/bhp-hr) by the listed compliance dates in Title 17 CCR Section 93116.3(c).

Fleet Standard Compliance;

Engines <175 bhp	Engines >175 to 749 bhp	Engines >750 bhp
Date (g/bhp-hr)	(g/bhp-hr)	(g/bhp-hr)
1/1/2013	0.3	0.15
1/1/2017	0.18	0.08
1/1/2020	0.04	0.02

Fleet is defined in Title 17 CCR Section 93116.2(16).

8. The o/o of this unit must submit a Statement of Compliance signed by the Responsible Official that the fleet standards are being achieved and a summary that identifies each portable engine in the fleet and the associated emission rate (g/bhp-hr) and other required information, see Title 17 CCR 93116.4(e)(2), (3), (4), (5), (6) and (7) for the following compliance statement submittal dates:

Weighted DPM Emission Fleet Average	Date Submit by
January 1, 2013	March 1, 2013
January 1, 2017	March 1, 2017
January 1, 2020	March 1, 2020

9. This portable equipment shall not be operated and/or located with 1,000 feet of a public or private school (kindergarten through 12th grade) of more than 12 students for more than 45 consecutive days without completing the notification required by Health and Safety Code \S\S 42301.6.

10. This unit is subject to the requirements of the Airborne Toxic Control Measure For Diesel Particulate Matter From Portable Engines Rated At 50 Horsepower and Greater (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more stringent shall govern.

ATTACHMENT A





August 12, 2021

Mr. John Heiser
California Energy Commission
1516 9th Street
MS-2000
Sacramento, CA 95814

Subject: SEGS III HTF Release August 12, 2021

Dear Mr. Heiser:

This letter is to follow-up the phone conversation with you on August 12, 2021 regarding a release of HTF that occurred on August 12, 2021.

On August 12, 2021 at approximately 11:30 hours a release of approximately 35 gallons of heat transfer fluid (HTF) was discovered in the SEGS III Solar Field at 42G. The release is a result of demolition activities ongoing in the solar field. Piping on the main HTF header leading to a solar field loop was sheared off as part of the demolition process. The main header still had some residual HTF in it that was released to the ground

Notification to the Regional Water Quality Control Board, San Bernardino County Fire Department, and California Energy Commission were made on August 12, 2021.

No injuries occurred during the incident.

Spill clean-up was initiated August 12, 2021 and we estimate that the clean-up will be completed in 1 day.

All contaminated soil removed from the spill area will be disposed of at a permitted facility.

Sampling is scheduled to be conducted once initial clean-up is completed with analytical results reported to your office in a follow-up report to be submitted as soon as results are received from the laboratory.

NextEra Energy Resources, LLC

41100 US Highway 395 Boron, CA 93516

Corrective action and countermeasures

All demolition activities related to solar field HTF piping have been suspended pending a complete re-evacuation of all HTF piping to ensure that all remaining HTF has been removed from the piping.

If you have any questions, please contact me at (760) 762-5562x440 or (661) 202-5837.

Sincerely,

Glen T. King
Sr. Environmental Specialist
Agent for Luz Solar Partners III, Ltd.

A handwritten signature in black ink, appearing to read "Glen T. King". The signature is written in a cursive style with a long horizontal line extending to the left.

cc:
RWQCB – John Steude
Shane Barbao – San Bernardino County Fire Dept.