
MOJAVE DESERT
AIR QUALITY MANAGEMENT DISTRICT

Statement of Basis
for
Surrender of

FOP Number:60300975

For:

Luz Solar Partners Ltd. VIII & IX

Facility:

SEGS VIII & IX

Facility Address:

43880 Harper Lake Road
Hinkley, CA 92347

Document Date: February 28, 2022
Submittal date to EPA/CARB for review: March 3, 2022
EPA/CARB 45-day Commenting Period ends: April 16, 2022
Public Notice Posted: March 7, 2022
Public Commenting Period ends: April 6, 2022
Final Determination Issuance date: April 7, 2022

Permitting Engineer:
Sheri Haggard

14306 PARK AVENUE, VICTORVILLE, CALIFORNIA 92392
PHONE: (760) 245-1661 • FAX: (760) 245-2022 • EMAIL: ENGINEERING@MDAQMD.CA.GOV

A. Proposal

Luz Solar Partners VIII & IX - SEGS VIII & IX (SEGS), located at 43880 Harper Lake Road in Hinkley is a Solar Electrical Power Generation facility, which generates electric power through the use of solar mirrors, heat transfer fluid (HTF) systems, steam turbines, and natural gas fired HTF (Heat Transfer Fluid) heaters. The permitted equipment consists of two natural gas fired heaters, two cooling towers, two heat transfer fluid ullage systems, emergency internal combustion diesel engines, one gasoline dispensing facility, and one abrasive blaster.

The District received correspondence on 10/15/21 in which the Responsible Official for this facility requested to surrender their Federal Operating Permit by electing to voluntarily limit its facility emissions to the extent that the facility is no longer subject to the provisions of District Regulation XII – *Federal Operating Permits*, pursuant to the provisions of District Rule 221 – *Federal Operating Permit Requirement*, section B. SEGS began to decommission the SEGS VIII facility in October of 2021 with the last day of operation being October 17, 2021. All of the associated Permit Units under SEGS VIII will either be: 1) cancelled (equipment will be removed from service); or 2) will be applied for under new ownership in which new permits will be issued classifying the new owner's facility as a minor source. All Permit Units under SEGS IX are electing to take the voluntary emission limitations to re-designate the remaining facility as a minor source. A summary of the proposed action by Permit Unit for SEGS is shown below:

Permit Unit	SEGS VIII	SEGS IX	Action
A008610 - Abrasive Blaster	X		Cancelling Permit, Removing Equipment
B002013 - Heater, HTF	X		Cancelling Permit, Removing Equipment
B002016 - Heater, HTF		X	Voluntary Emissions Limitation
B003941 - Cooling Tower	X		Cancelling Permit, Removing Equipment
B003942 - HTF Ullage System	X		Cancelling Permit, Removing Equipment
B003943 - Cooling Tower		X	Voluntary Emissions Limitation
B003944 - HTF Ullage System		X	Voluntary Emissions Limitation
E002015 - Emergency DICE	X		Change of Ownership, new permit will reflect minor source emission limits
E002018 - Emergency DICE		X	Voluntary Emissions Limitation
E003940 - Emergency DICE	X		Change of Ownership, new permit will reflect minor source emission limits
N002984 - Gasoline Dispensing Equipment	X		Change of Ownership, new permit will reflect minor source emission limits

A copy of the application for this permitting action can be viewed in Appendix A. SEGS's current Federal Operating Permit expired on October 26, 2021. They submitted an application to renew their Federal Operating Permit, but requested to cancel their renewal application as part of this request to surrender their Federal Operating Permit.

SEGS is currently defined as a federal Major Facility pursuant to District Rule 1201 – *Federal Operating Permit Definitions* as this source has a federally enforceable limit greater than the Major Facility thresholds for Oxides of Nitrogen (NOx): Current limit is 27.9 tons per year. This

permitting action proposes to cap the facility limit for NO_x at less than 20 tons per year which is 80 percent of the Major Facility threshold for a facility located inside the Federal Ozone Non-attainment Area (FONA). This proposed limit will effectively designate SEGS as a minor source and will alleviate this facility from its Federal Operating Permit requirements.

Pursuant to Section (C) of district Rule 221, this evaluation document and draft permits will be sent to USEPA and CARB for review and comment for a 45-day review period; and, the District will publish a Public Notice for a 30-day public commenting period that will include the following information:

1. The name and location of the Facility, including the name and address of the permit holder or applicant if different.
2. A statement that the Facility is applying for a Voluntary Emission Limitation.
3. The District name, address, telephone number and contact person from whom interested persons may obtain additional information.

A copy of this Public Notice is included in Appendix B.

B. Analysis

District Rule 221 – *Federal Operating Permit Requirement* specifies the requirements for obtaining Federal Operating Permits and the requirements to void applicability of Federal Operating Permit Requirements. Pursuant to Section B of this rule and Facility which would otherwise be subject to the provisions of Regulation XII – *Federal Operating Permits* may elect to voluntarily limit its emissions to the extent that the Facility is no longer subject to the provisions therein.

SEGS requested to surrender their Federal Operating Permit by electing to voluntarily limit its emission to the extent that the facility is no longer subject to the provisions of District Regulation XII, pursuant to the provisions of District Rule 221, section B.

Pursuant to District Rule 221, section B, this facility has met all the following requirements:

- a. [Rule 221(B)(1)(a)(i)] - Applied for permit modifications for the appropriate permits for all permit units, as defined in District Rule 1201(V), under the provisions of District Regulation II and requested, in writing, a voluntary emission limitation of less than 20 tons per year of NO_x which is below the Major Facility thresholds defined in District Rule 1201 for a facility located inside the FONA. All permit units that are to remain will have the voluntary emission limitation. All other permit units will be cancelled.
- b. [Rule 221(B)(1)(a)(ii)] - Included with their request for a voluntary emission limitation SEGS identified and describe all sources of emissions at the Facility, including all permit units as defined in District Rule 1201(V) and all equipment not requiring a permit pursuant to District Rule 219. Please refer to the table above for a summary of the Permit Units and the corresponding action.
- c. [Rule 221(B)(1)(a)(iii)] - Identifying the fugitive emissions of Hazardous Air Pollutants, as defined in District Rule 1201(R), was not required since this facility

is not included on the list of categories that are required to report fugitives Fugitive emissions pursuant to 40 CFR 70.2 Major Source (2). However, HAP is reported by this facility on an annual basis to satisfy the requirements of the AB2588 Hot Spots Program and the actual emissions of HAP at this facility are below the thresholds of the Major Facility thresholds defined in District Rule 1201 for a facility located inside the FONA. A summary of SEGS's most recently approved HAP emission submission (emission year 2020) is included in the appendix.

- d. [Rule 221(B)(1)(a)(iv)] - The District referenced SEGS's most recently approved submitted Emission Inventory data (emission year 2020) that represents a calculation of annual actual emissions from the sources of emissions identified at this facility. A summary of this data is attached to this evaluation and confirms that actual emissions associated with this facility are below the Major Facility thresholds defined in District Rule 1201 for a facility located inside the FONA for all pollutants; and, are below the voluntary emission limitations of less than 20 tons per year of NOx. All other Air Pollutants will be limited to below the Major Facility thresholds defined in District Rule 1201 for a facility located inside the FONA.
- e. [Rule 221(B)(1)(a)(v)] - The District has modified all the local air permits with permit conditions that limit emissions at this facility, to a level below that of a Major Facility as defined in District Rule 1201 for all Air Pollutants. Copies of these permits are attached to this evaluation in the appendix.

Please note that SEGS did not have existing facility limits for VOC, SOx, PM10, or HAP as the Potential to Emit for these pollutants are significantly below 50 percent of the Major Facility thresholds of Rule 1201, which is consistent with the provisions of District Rule 222(C) - *Emission Limitations*. SEGS does have an existing facility limit for CO; however, it is also well below 50 percent of the Major Facility thresholds of Rule 1201. The CO limit was NSR based and will remain on the minor source permits, since it does not affect the Major Facility (Title V) applicability. A summary of the Major Facility Thresholds and the current and proposed emission limits is shown below:

Air Pollutant	Major Facility Threshold within FONA (tpy)	Current Emission Limitations (tpy)	New Emission Limitations (tpy)
NOx ¹	≥25	≤27.9	<20
VOC ³	≥25	none	n/a
CO ²	≥100	≤26.5	≤26.5
SOx ³	≥100	none	n/a
PM10 ³	≥100	none	n/a
single HAP ³	≥10	none	n/a
combined HAP ³	≥25	none	n/a

Foot notes:

1. NOx is the only Air Pollutant that was federally enforceable that requires a voluntarily emissions limitation to surrender the Title V permit.
2. CO limit does not require a change since it is below the Major Facility (Title V) threshold. Current limit is NSR based, and will remain as is.
3. No voluntary emission limitations required as the Potential to Emit for these pollutants are below 50 percent of the Major Facility (Title V) thresholds.

C. Comment Period and Notifications

1. Public Comment

This preliminary determination will be publicly noticed on March 7, 2022, allowing for public comment until April 6, 2022. Please see Appendix B for noticing details.

2. Notifications

This evaluation document and proposed permits were submitted to USEPA and CARB pursuant for a forty-five (45) day review period on March 2, 2022.

All correspondence were forwarded to electronically to the following recipients:

Director, Office of Air Division
United States EPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Via the EPS Portal

Chief, Stationary Source Division
California Air Resources Board
P.O. Box 2815
Sacramento, CA 95812
permits@arb.ca.gov

Robert Fimbres
Site Manager
SEGS Harper Lake VIII & IX
13880 Harper Lake Road
Hinkley, CA 92347
RFimbres@terra-gen.com

Neal Davies
Production Specialist
SEGS Harper Lake VIII & IX
13880 Harper Lake Road
Hinkley, CA 92347
NDavies@terra-gen.com

D. Conclusion

After the USEPA and CARB commenting period ends; and, after the Public commenting periods end, provided that no comments are received that cause a revision to this proposal, the District recommends issuing the proposed local permits as proposed and formally closing the associated Federal Operating Permit. The proposed draft permits are in Appendix D.

Appendix A Application



Terra-Gen Operating Company,
43880 Harper Lake Road, Hinkley, CA 92347
760-762-3117

October 15, 2021

Mr. Chris Anderson
Mojave Desert Air Quality Management District
14306 Park Avenue
Victorville, CA 92392-2383

Luz Solar Partners LTD., VIII (Co.#603) & Luz Solar Partners LTD., IX (Co.#2427)

Dear Mr. Chris Anderson:

SEGS VIII is scheduled to be decommissioned in October 2021. The last day of operation is October 17, 2021, with decommissioning starting October 18, 2021. The joint title V permit expires October 26, 2021. We would like to cancel it at that time and redact the Title V permit renewal application that was submitted on 10/12/2021. At this time we are requesting a modification to SEGS IX's permit B002016 total annual emission for NOx from 27.9 tons/year to <20 tons/year, and will be limiting the entire site NOx emission to <20 tons/year. As SEGS VIII's decommissioning we will be canceling or requesting a change of ownership as listed below. Air Permits are scheduled to expire March 31, 2022.

Permits;

1. B002013 - HEATER, HTF consisting of: A Kinetics Technology Inc. natural gas-fired heater.
2. B003942 - HEAT TRANSFER FLUID (HTF) ULLAGE SYSTEM.
3. ~~B003941 - COOLING TOWER, consisting of: Marley six (6) cell counterflow model.~~
4. E002015 - DIESEL IC ENGINE, EMERGENCY GENERATOR
5. A008610 - ABRASIVE BLASTING MACHINE consisting of: Clemco Abrasive Blasting Machine
6. E003940 - DIESEL IC ENGINE COMPLEX, FIRE PUMPS (SEGS VIII & IX)
7. ~~N002984 - GASOLINE DISPENSING FACILITY (NON-RETAIL)~~

We will be filing permit cancelations for B002013, B003942, B003941 and A008610 as the equipment is decommissioned. Change of ownership will be filed for E003940, N002984 and E002015.

If you have any question or require additional information, please no hesitate to contact Neal Davies or myself.

Sincerely,

Robert Fimbres
Site Manager
LUZ Solar Partners
VIII and IX

MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT**BRAD POIRIEZ, EXECUTIVE DIRECTOR**

14306 Park Avenue, Victorville, CA 92392-2310

760.245.1661 • Fax 760.245.2022

Email: engineering@mdaqmd.ca.govwww.MDAQMD.ca.gov • @MDAQMD

Request to cancel a permit

(ATC or PTO)

PERMIT ISSUED TO: Luz Solar Partners LTD., VIII		CONTACT NAME: Robert Fimbres		PHONE: 760-762-3117
EQUIPMENT PHYSICAL ADDRESS: 43880 Harper Lake Road		CITY: Hinkley	STATE: CA	ZIP: 92347
OWNER OR OPERATOR (DISTRICT COMPANY NUMBER): #603		EQUIPMENT LOCATION (DISTRICT FACILITY NUMBER): #975		
PERMIT NUMBER(S) TO CANCEL:		CORRESPONDING EQUIPMENT DESCRIPTION:		
1 <u>B002013</u> ✓		<u>HEATER, HTF - Kinetics Technology Inc. natural gas-fired</u>		
2 <u>B003942</u> ✓		<u>HEAT TRANSFER FLUID (HTF) ULLAGE SYSTEM</u>		
3 <u>B003941</u> ✓		<u>COOLING TOWER, : Marley six (6) cell counterflow model</u>		
4 <u>A008610</u> ✓		<u>ABRASIVE BLASTING MACHINE: Clemco</u>		
5 _____		_____		

If applying to cancel more than 5 permits, use additional forms or attach a list of additional permit numbers and corresponding equipment descriptions.


Cancellation of the permit described above is hereby requested for the following reason:

- ☐ Equipment has been: ☐ sold ☐ replaced ☒ destroyed ☐ removed from premises.
- ☐ Equipment will no longer be used.
- ☐ Equipment is exempt from permit requirement by Rule 219 Section _____.
- ☐ Replaced by statewide permit. (Please attach copies of statewide permits.)
- ☐ Other: _____

IT IS UNDERSTOOD THAT ANY FUTURE USE OF THIS EQUIPMENT MAY REQUIRE A NEW PERMIT APPLICATION AND THAT OPERATION OF THIS EQUIPMENT WITHOUT A VALID PERMIT MAY CONSTITUTE LEGAL ACTION AND PENALTIES OF UP TO \$25,000 FOR EACH DAY OF VIOLATION.


 _____ Site Manager 02/22/2022
 SIGNATURE OF RESPONSIBLE MEMBER OF ORGANIZATION TITLE DATE

Robert Fimbres 760-762-3117 rfimbres@terra-gen.com
 PRINTED NAME PHONE NO. EMAIL ADDRESS

-For District use only-	
 SIGNATURE OF ENGINEERING SUPERVISOR	<u>2/28/22</u> DATE SIGNED

MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT
BRAD POIRIEZ, EXECUTIVE DIRECTOR
14306 Park Avenue, Victorville, CA 92392-2310
760.245.1661 • Fax 760.245.2022
Email: engineering@mdaqmd.ca.gov
www.MDAQMD.ca.gov • @MDAQMD

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General Application Form

Remit **\$317.00** with this document (\$181.00 for change of owner)

PLEASE TYPE OR PRINT

Section 1: Owner information

a. Permit to be issued to (company name): Luz Solar Partners LTD., IX		b. Federal tax ID #: 47-4807929	
c. Mailing/billing address (for above company name) include city, state and zip code: 437 Madison Avenue, 22nd Floor Suite A New York, NY 10022			
d. Facility or business license name (for equipment location): Luz Solar Partners LTD., IX			
e. Facility Address — Location of equipment (if same as for company, enter "Same"): 43880 Harper Lake Road Hinkley CA 92347		Equip. coordinates (lat/long): 35 ° N 117 ° W	
f. Contact name: Robert Fimbres	Title: Site Manager	Email address: rfimbres@terra-gen.com	Phone: 760-762-3117
General nature of business: Power Generation			Company NAICS: 221119
Type of Organization <input checked="" type="checkbox"/> Individual owner <input type="checkbox"/> Partnership <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Utility <input type="checkbox"/> Local agency <input type="checkbox"/> State agency <input type="checkbox"/> Federal agency			

Section 2: Nature of application

Application is hereby made for the following equipment:

HTF Heater consisting of; A Kinetics Technology Inc., natural gas-fired heater with a maximum design heat input of 872 MMBtu/hr and assoiate equipment.

Application is for what type of permit:

☐ New construction ☒ Modification ☐ Change of owner

For modification or change of owner:

8003943, 8003944, 8002016, 8002018 Current Permit Number

Do you claim Confidentiality of Data? ☒ No ☐ Yes (attach explanation; specify which information provided is confidential)

Section 3: Equipment information

Equipment description (give a brief description of the equipment and/or process):

We are requesting a modification for SEGS IX HTF Heaters, Vertical Tube Box - Four (H200, H210, H220 & H230) to reduce the potential NOx emission from 27.9 tons/year to <20 tons/year. Currently the Heaters are only used for fluid freeze protection and the 5-year annual Nox tons/year of 2.9, previous operation in 2011 annual NOx emission was 16.8 tons/year.

Manufacturer: _____ Model: _____ Serial number: _____

Add-on air pollution control equipment? ☐ Yes ☒ No (Note: most APCE require a separate application)

If yes: Manufacturer: _____ Model: _____ Serial #: _____ CARB EO#: _____

Type (specify): _____

Stack data Exhaust stack height from ground: _____ feet Exhaust stack diameter: _____ feet

Stack is: ☐ horizontal ☐ vertical ☐ open ☐ weather cap

Vent data: Exhaust temp. _____ °F Maximum exhaust rate (CFM): _____

-For District use only-

Application number:	Invoice number:	Permit number:	Company/facility number:
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Section 4: Emissions data

Emission Factor Basis (attach any source specified): _____

☐ Manufacturer ☐ Source test ☐ MDAQMD default ☐ USEPA AP-42
☐ Other (please specify): _____

Emissions data: _____

Pollutant	Pre-control max. emissions	Units	Post control max. emissions	Units
NO _x	_____	_____	_____	_____
NMHC	_____	_____	_____	_____
CO	_____	_____	_____	_____
PM ₁₀	_____	_____	_____	_____
SO _x	_____	_____	_____	_____

Toxic pollutants — Please include a list of all toxic air pollutants and their emission rates if known.

Section 5: Operation information

Fuel Consumption: 872 at max rated load ☐ gal/hour ☐ SCF/hour ☒ MMBtu/hr

Typical load: varies from 5 MWe to 60 MWe

Facility annual operation by quarters (percent):

☐ Uniform OR 15 % Jan-Mar 35 % Apr-Jun
35 % Jul-Sep 15 % Oct-Dec

Expected operating hours of equipment

5 Hrs/day 5 Days/wk 20 Wk/yr
Total annual hours 500

Section 6: Receptor information

Distance (feet) and direction to the property line of closest: 7500 ft South residence 5280 ft South business 90,000 ft South school

Name of closest school (K-12) Helendale

If the proposed equipment operates within 1,000 feet of a school site and operation results in the emission of hazardous air pollutants, a public notice will be required at the expense of the applicant (CH&S §42301.6)

***Please note:** District staff may contact you for further information. Failure to provide additional information as requested in a timely manner may result in delays in the processing of this permit application.

Section 7: Certification

I hereby certify that all information contained herein is true and correct.

Robert Fimbres	Site Manager		02/22/2022
Name of responsible official	Official title	Signature of responsible official	Date signed
Phone: 760-762-3117		Email: rfimbres@terra-gen.com	

Application submission instructions:

- 1) Submit completed application to Engineering@mdaqmd.ca.gov
- 2) Pay the corresponding application fee of \$317 per permit for new or modified permit (or \$181 for change of owner) via check or credit card.

Payment by check:

Make check payable to the Mojave Desert AQMD
Mail the check with a copy of this completed application to:

Mojave Desert AQMD

14306 Park Avenue
Victorville, CA 92392

Payment by credit card:

Pay online at <http://www.mdaqmd.ca.gov>
Click "Pay Fees"

Please note: *a surcharge applies for all credit card payments.*

- 3) If payment is made online via credit card, please email the receipt to Engineering@mdaqmd.ca.gov
- Should you have any additional questions, please, do not hesitate to contact the permitting division at 760-245-1661, or via email at engineering@mdaqmd.ca.gov

MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT
BRAD POIRIEZ, EXECUTIVE DIRECTOR
14306 Park Avenue, Victorville, CA 92392-2310
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General Application Form

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PLEASE TYPE OR PRINT

Section 1: Owner information

a. Permit to be issued to (company name): Luz Solar Partners LTD., VIII		b. Federal tax ID #: 47-4807929	
c. Mailing/billing address (for above company name) <i>include city, state and zip code</i> : 437 Madison Avenue, 22nd Floor Suite A New York, NY 10022			
d. Facility or business license name (for equipment location): Luz Solar Partners LTD., VIII			
e. Facility Address — Location of equipment (if same as for company, enter "Same"): 43880 Harper Lake Road Hinkley CA 92347		Equip. coordinates (lat/long): 35° N 117° W	
f. Contact name: Robert Fimbres	Title: Site Manager	Email address: rfimbres@terra-gen.com	Phone: 760-762-3117
General nature of business: Power Generation			Company NAICS: 221118
Type of Organization <input type="checkbox"/> Individual owner <input type="checkbox"/> Partnership <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Utility <input type="checkbox"/> Local agency <input type="checkbox"/> State agency <input type="checkbox"/> Federal agency			

Section 2: Nature of application

Application is hereby made for the following equipment: GASOLINE DISPENSING FACILITY (NON-RETAIL)	
Application is for what type of permit: <input type="checkbox"/> New construction <input type="checkbox"/> Modification <input checked="" type="checkbox"/> Change of owner	For modification or change of owner: N0029814 Current Permit Number
Do you claim Confidentiality of Data? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (attach explanation; specify which information provided is confidential)	

Section 3: Equipment information

Equipment description (give a brief description of the equipment and/or process): Currently the shared GASOLINE DISPENSING FACILITY (NON-RETAIL) is permitted under Luz Solar Partners LTD., VIII (Co.#603)-(Fac.#975) as LSP VIII is in the process of Decommissioning a transfer of ownership to Luz Solar Partners LTD., IX (Co.#2427)-(Fac.#3818) is requested.	
Tank 1 , Material 87U , 2,000 Gals Above Ground. Tank 2 , Material Diesel , 1,000 Gals Above Ground.	
Manufacturer:	Model: Serial number:
Add-on air pollution control equipment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Note: most APCE require a separate application)	
If yes: Manufacturer:	Model: Serial #: CARB EO#:
Type (specify):	
Stack data	Exhaust stack height from ground: feet Exhaust stack diameter: feet
Stack is: <input type="checkbox"/> horizontal <input type="checkbox"/> vertical <input type="checkbox"/> open <input type="checkbox"/> weather cap	
Vent data: Exhaust temp. °F Maximum exhaust rate (CFM):	

-For District use only-

Application number:	Invoice number:	Permit number:	Company/facility number:
---------------------	-----------------	----------------	--------------------------

Section 4: Emissions data

Emission Factor Basis (attach any source specified): _____			
<input type="checkbox"/> Manufacturer <input type="checkbox"/> Source test <input type="checkbox"/> MDAQMD default <input type="checkbox"/> USEPA AP-42			
<input type="checkbox"/> Other (please specify): _____			
Emissions data: _____			
Pollutant	Pre-control max. emissions	Units	Post control max. emissions
NO _x	_____	_____	_____
NMHC	_____	_____	_____
CO	_____	_____	_____
PM ₁₀	_____	_____	_____
SO _x	_____	_____	_____
Toxic pollutants — Please include a list of all toxic air pollutants and their emission rates if known.			

Section 5: Operation information


Fuel Consumption: _____ at max rated load <input type="checkbox"/> gal/hour <input type="checkbox"/> SCF/hour <input type="checkbox"/> MMBtu/hr	
Typical load: _____	
Facility annual operation by quarters (percent): <input checked="" type="checkbox"/> Uniform OR _____ % Jan-Mar _____ % Apr-Jun _____ % Jul-Sep _____ % Oct-Dec	Expected operating hours of equipment _____ Hrs/day _____ Days/wk _____ Wk/yr Total annual hours _____

Section 6: Receptor information

Distance (feet) and direction to the property line of closest: 7500 ft South residence 5280 ft south business 90,000 ft South school
Name of closest school (K-12) Helendale
<i>If the proposed equipment operates within 1,000 feet of a school site and operation results in the emission of hazardous air pollutants, a public notice will be required at the expense of the applicant (CH&S §42301.6)</i>

***Please note:** District staff may contact you for further information. Failure to provide additional information as requested in a timely manner may result in delays in the processing of this permit application.

Section 7: Certification

I hereby certify that all information contained herein is true and correct.			
Robert Fimbres	Site Manager		02/22/2022
Name of responsible official	Official title	Signature of responsible official	Date signed
Phone: 760-762-3117		Email: rfimbres@terra-gen.com	

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- 1) Submit completed application to Engineering@mdaqmd.ca.gov
- 2) Pay the corresponding application fee of \$317 per permit for new or modified permit (or \$181 for change of owner) via check or credit card.

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14306 Park Avenue
Victorville, CA 92392

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Click "Pay Fees"

Please note: **a surcharge applies for all credit card payments.**

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MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT**BRAD POIRIEZ, EXECUTIVE DIRECTOR**

14306 Park Avenue, Victorville, CA 92392-2310

760.245.1661 • Fax 760.245.2022

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c. Mailing/billing address (for above company name) include city, state and zip code: 437 Madison Avenue, 22nd Floor Suite A New York, NY 10022			
d. Facility or business license name (for equipment location): Luz Solar Partners LTD., VIII			
e. Facility Address — Location of equipment (if same as for company, enter "Same"): 43880 Harper Lake Road Hinkley CA 92347		Equip. coordinates (lat/long): 35° N 117° W	
f. Contact name: Robert Fimbres	Title: Site Manager	Email address: rfimbres@terra-gen.com	Phone: 760-762-3117
General nature of business: Power Generation			Company NAICS: 221118
Type of Organization <input checked="" type="checkbox"/> Individual owner <input type="checkbox"/> Partnership <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Utility <input type="checkbox"/> Local agency <input type="checkbox"/> State agency <input type="checkbox"/> Federal agency			

Section 2: Nature of application

Application is hereby made for the following equipment: DIESEL IC ENGINE, EMERGENCY GENERATOR	
Application is for what type of permit: <input type="checkbox"/> New construction <input type="checkbox"/> Modification <input checked="" type="checkbox"/> Change of owner	For modification or change of owner: E002015 Current Permit Number
Do you claim Confidentiality of Data? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (attach explanation; specify which information provided is confidential)	

Section 3: Equipment information

Equipment description (give a brief description of the equipment and/or process): As LSP VIII is in the process of decommissioning the DIESEL IC ENGINE, EMERGENCY GENERATOR permitted under Luz Solar Partners LTD., VIII (Co.#603)-(Fac.#975), is no longer needed. A transfer of ownership to Luz Solar Partners LTD., IX (Co.#2427)-(Fac.#3818) is requested, to provided additional Emergency backup power to the site	
One Caterpillar, Diesel fired internal combustion engine Model No. SR-4 and Serial No. 81209217, producing 890 bhp with 12 cylinders at 1800 rpm while consuming a maximum of 44 gal/hr.	
Manufacturer: Caterpillar	Model: SR-4 Serial number: 81209217
Add-on air pollution control equipment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Note: most APCE require a separate application)	
If yes: Manufacturer:	Model: Serial #: CARB EO#:
Type (specify):	
Stack data Exhaust stack height from ground: feet Exhaust stack diameter: feet	
Stack is: <input type="checkbox"/> horizontal <input type="checkbox"/> vertical <input type="checkbox"/> open <input type="checkbox"/> weather cap	
Vent data: Exhaust temp. °F Maximum exhaust rate (CFM):	

-For District use only-

Application number:	Invoice number:	Permit number:	Company/facility number:
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Section 4: Emissions data

Emission Factor Basis (attach any source specified): _____			
<input type="checkbox"/> Manufacturer <input type="checkbox"/> Source test <input type="checkbox"/> MDAQMD default <input type="checkbox"/> USEPA AP-42 <input type="checkbox"/> Other (please specify): _____			
Emissions data: _____			
Pollutant	Pre-control max. emissions	Units	Post control max. emissions
NO _x	_____	_____	_____
NMHC	_____	_____	_____
CO	_____	_____	_____
PM ₁₀	_____	_____	_____
SO _x	_____	_____	_____
Toxic pollutants — Please include a list of all toxic air pollutants and their emission rates if known.			

Section 5: Operation information

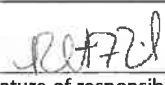
Fuel Consumption: ⁴⁴ _____ at max rated load <input type="checkbox"/> gal/hour <input type="checkbox"/> SCF/hour <input type="checkbox"/> MMBtu/hr	
Typical load: 20% _____	
Facility annual operation by quarters (percent): <input checked="" type="checkbox"/> Uniform OR _____ % Jan-Mar _____ % Apr-Jun _____ % Jul-Sep _____ % Oct-Dec	Expected operating hours of equipment ² _____ Hrs/day ¹ _____ Days/wk ¹ _____ Wk/yr Total annual hours ² _____

Section 6: Receptor information

Distance (feet) and direction to the property line of closest: 7500 ft South residence 5280 ft south business 90,000 ft South school
Name of closest school (K-12) Helendale
<i>If the proposed equipment operates within 1,000 feet of a school site and operation results in the emission of hazardous air pollutants, a public notice will be required at the expense of the applicant (CH&S §42301.6)</i>

***Please note:** District staff may contact you for further information. Failure to provide additional information as requested in a timely manner may result in delays in the processing of this permit application.

Section 7: Certification

I hereby certify that all information contained herein is true and correct.			
Robert Fimbres	Site manager		02/22/2022
Name of responsible official	Official title	Signature of responsible official	Date signed
Phone: 760-762-3117		Email: rfimbres@terra-gen.com	

Application submission instructions:

- 1) Submit completed application to Engineering@mdaqmd.ca.gov
- 2) Pay the corresponding application fee of \$317 per permit for new or modified permit (or \$181 for change of owner) via check or credit card.

Payment by check:

Make check payable to the Mojave Desert AQMD
Mail the check with a copy of this completed application to:

Mojave Desert AQMD

14306 Park Avenue
Victorville, CA 92392

Payment by credit card:

Pay online at <http://www.mdaqmd.ca.gov>
Click "Pay Fees"

Please note: *a surcharge applies for all credit card payments.*

- 3) If payment is made online via credit card, please email the receipt to Engineering@mdaqmd.ca.gov
- Should you have any additional questions, please, do not hesitate to contact the permitting division at 760-245-1661, or via email at engineering@mdaqmd.ca.gov

MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT**BRAD POIRIEZ, EXECUTIVE DIRECTOR**

14306 Park Avenue, Victorville, CA 92392-2310

760.245.1661 • Fax 760.245.2022

Email: engineering@mdaqmd.ca.govwww.MDAQMD.ca.gov • @MDAQMDRECEIVED
MDAQMD

22 FEB 25 AM 8:51



General Application Form

Remit **\$317.00** with this document (\$181.00 for change of owner)

PLEASE TYPE OR PRINT

Section 1: Owner information

a. Permit to be issued to (company name): Luz Solar Partners LTD., VIII		b. Federal tax ID #: 47-4807929	
c. Mailing/billing address (for above company name) include city, state and zip code: 437 Madison Avenue, 22nd Floor Suite A New York, NY 10022			
d. Facility or business license name (for equipment location): Luz Solar Partners LTD., VIII			
e. Facility Address — Location of equipment (if same as for company, enter "Same"): 43880 Harper Lake Road Hinkley CA 92347		Equip. coordinates (lat/long): 35° N 117° W	
f. Contact name: Robert Fimbres	Title: Site Manager	Email address: rfimbres@terra-gen.com	Phone: 760-762-3117
General nature of business: Power Generation			Company NAICS: 221118
Type of Organization <input type="checkbox"/> Individual owner <input type="checkbox"/> Partnership <input checked="" type="checkbox"/> Corporation <input type="checkbox"/> Utility <input type="checkbox"/> Local agency <input type="checkbox"/> State agency <input type="checkbox"/> Federal agency			

Section 2: Nature of application

Application is hereby made for the following equipment: DIESEL IC ENGINE COMPLEX, FIRE PUMPS (SEGS VIII & IX)	
Application is for what type of permit: <input type="checkbox"/> New construction <input type="checkbox"/> Modification <input checked="" type="checkbox"/> Change of owner	For modification or change of owner: E003940 Current Permit Number
Do you claim Confidentiality of Data? <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (attach explanation; specify which information provided is confidential)	

Section 3: Equipment information

Equipment description (give a brief description of the equipment and/or process): Currently the site's shared fire protection pumps (DIESEL IC ENGINE COMPLEX, FIRE PUMPS) are permitted under Luz Solar Partners LTD., VIII (Co.#303)-(Fac.#975) , as LSP VIII is in the process of Decommissioning a transfer of ownership to Luz Solar Partners LTD., IX (Co.#2427)-(Fac.#3818) is requested.	
*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	
Manufacturer: Caterpillar	Model: 3306B Serial number: _____
Add-on air pollution control equipment? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No (Note: most APCE require a separate application)	
If yes: Manufacturer: _____	Model: _____ Serial #: _____ CARB EO#: _____
Type (specify): _____	
Stack data Exhaust stack height from ground: _____ feet Exhaust stack diameter: _____ feet	
Stack is: <input type="checkbox"/> horizontal <input type="checkbox"/> vertical <input type="checkbox"/> open <input type="checkbox"/> weather cap	
Vent data: Exhaust temp. _____ °F Maximum exhaust rate (CFM): _____	

-For District use only-

Application number:	Invoice number:	Permit number:	Company/facility number:
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Section 4: Emissions data

Emission Factor Basis (attach any source specified): _____			
<input type="checkbox"/> Manufacturer <input type="checkbox"/> Source test <input type="checkbox"/> MDAQMD default <input type="checkbox"/> USEPA AP-42			
<input type="checkbox"/> Other (please specify): _____			
Emissions data: _____			
Pollutant	Pre-control max. emissions	Units	Post control max. emissions
NO _x	_____	_____	_____
NMHC	_____	_____	_____
CO	_____	_____	_____
PM ₁₀	_____	_____	_____
SO _x	_____	_____	_____
Toxic pollutants — Please include a list of all toxic air pollutants and their emission rates if known.			

Section 5: Operation information


Fuel Consumption: ²³ _____ at max rated load <input checked="" type="checkbox"/> gal/hour <input type="checkbox"/> SCF/hour <input type="checkbox"/> MMBtu/hr	
Typical load: ³⁰ % _____	
Facility annual operation by quarters (percent): <input checked="" type="checkbox"/> Uniform OR _____ % Jan-Mar _____ % Apr-Jun _____ % Jul-Sep _____ % Oct-Dec	Expected operating hours of equipment _____ ⁵ Hrs/day ¹ _____ Days/wk ⁵² _____ Wk/yr Total annual hours ²⁶ _____

Section 6: Receptor information

Distance (feet) and direction to the property line of closest: 7500 ft South residence 5280 ft south business 90,000 ft South school
Name of closest school (K-12) Helendale
<i>If the proposed equipment operates within 1,000 feet of a school site and operation results in the emission of hazardous air pollutants, a public notice will be required at the expense of the applicant (CH&S §42301.6)</i>

***Please note:** District staff may contact you for further information. Failure to provide additional information as requested in a timely manner may result in delays in the processing of this permit application.

Section 7: Certification

I hereby certify that all information contained herein is true and correct.			
Robert Fimbres	Site Manager		02/22/2022
Name of responsible official	Official title	Signature of responsible official	Date signed
Phone: 760-762-3117		Email: rfimbres@terra-gen.com	

Application submission instructions:

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Should you have any additional questions, please, do not hesitate to contact the permitting division at 760-245-1661, or via email at engineering@mdaqmd.ca.gov

Appendix B

Public Notice

Noticing Methods include the following, per District Rule 1207 (A)(1)(a) and District Rule 1302(D)(2)and(3):

- Published in newspapers of general circulation - *Riverside Press Enterprise* (Riverside County) and the *Daily Press* (San Bernardino County).
- Mailed and/or emailed to MDAQMD contact list of persons requesting notice of actions (see the contact list following the Public Notice in this Appendix.
- Posted on the MDAQMD Website at the following link:
<https://www.mdaqmd.ca.gov/permitting/public-notices-advisories/public-notices-permitting>
-

**NOTICE OF VOLUNTARY EMISSION LIMITATION TO
SURRENDER TITLE V PERMIT**



NOTICE IS HEREBY GIVEN THAT Luz Solar Partners Ltd. VIII & IX – SEGS VIII & IX (SEGS), located at 43880 Harper Lake Road in Hinkley, California, has submitted an application to surrender/cancel their Federal Operating Permit (60300975) by electing to voluntarily limit its facility emissions to the extent that the facility is no longer subject to the provisions of District Regulation XII – Federal Operating Permits, pursuant to the provisions of District Rule 221, section B. This permitting action proposes to cap the facility limit for NOx at less than 20 tons per year which is below the Major Facility threshold for a facility located inside the Federal Ozone Nonattainment Area. This proposed limit will effectively designate SEGS as a synthetic minor source and will alleviate this facility from its Federal Operating Permit requirements. This proposed action will result in a net decrease in potential regulated air pollutants.

REQUEST FOR COMMENTS: Interested persons are invited to submit written comments and/or other documents regarding the terms and conditions of the proposed permitting action. If you submit written comments, you may also request a public hearing on the proposed issuance of the Federal Operating Permit. To be considered, comments, documents and requests for public hearing must be submitted no later than 5:00 P.M. on April 6, 2022, to the MDAQMD, Attention: Sheri Haggard, at the address listed below.

PETITION FOR REVIEW: Federal Operating Permits are also subject to review and approval by the United States Environmental Protection Agency (USEPA). If EPA has not objected to the proposed permitting action during its 45-day review period, the public may petition EPA to object to the proposed permitting action within 60 days of expiration of EPA's review period. Any such petition must be based on objections that were raised with reasonable specificity during the public comment period unless the petitioner demonstrates either that it was impracticable to raise such objections within the comment period or that the grounds for the objection arose after the comment period. The petitioner shall provide a copy of such petition to the permitting authority and the permittee. EPA's website contains more information on petitions, including instructions for submitting a petition and the required content of petitions: <https://www.epa.gov/title-v-operating-permits/title-v-petitions>

AVAILABILITY OF DOCUMENTS: The proposed permitting action, as well as the application and other supporting documentation are available for review at the MDAQMD offices, 14306 Park Avenue, Victorville, CA 92392. In addition, these documents are available on the MDAQMD website and can be viewed at following link: <https://www.mdaqmd.ca.gov/permitting/public-notice-advisories/public-notice-permitting>
Please contact Sheri Haggard, Air Quality Engineer, at the address, above, or (760) 245-1661, extension 1864, or shaggard@mdaqmd.ca.gov for additional questions pertaining to this action and/or corresponding documents.

Traducción en español esta disponible por solicitud. Por favor llame: (760) 245-1661

SHERI HAGGARD
Permit Engineering Manager
Mojave Desert Air Quality Management District
14306 Park Avenue, Victorville, CA 92392

MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

BRAD POIRIEZ, EXECUTIVE DIRECTOR

14306 Park Avenue, Victorville, CA 92392-2310 • 760.245.1661 • Fax 760.245.2022 • www.MDAQMD.ca.gov • [@MDAQMD](https://twitter.com/MDAQMD)

City of ADELANTO	Town of APPLE VALLEY	City of BARSTOW	City of BLYTHE	City of HESPERIA	City of NEEDLES	County of RIVERSIDE	County of SAN BERNARDINO	City of TWENTYNINE PALMS	City of VICTORVILLE	Town of YUCCA VALLEY
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Mr. Larry Trowsdale
mchsi
951 E Skylark Ave
Ridgecrest, CA 93555

Ms. Desirea Haggard
Environmental Manager, CalPortland-Oro
2025 E Financial Way
Glendora, CA 91741

Mr. Pedro Dumaua
HS&E Manager, Ducommun Aerostructures
4001 El Mirage Road
Adelanto, CA 92301

Ms. Christine Grandstaff
Evolution Markets
27801 Golden Ridge Lane
San Juan Capistrano, CA 92675

Ms. Carol Kaufman
Metropolitan Water District
700 N Alameda Street, 8th Floor, Rm 106
Los Angeles, CA 90012

Mr. John F. Espinoza
Principal Advisor, MP Materials
HC1 Box 224, 67750 Bailey Road
Mountain Pass, CA 92366

Mr. Dan Madden
Plant Manager, Northwest Pipe Co.
12351 Rancho Road
Adelanto, CA 92301

Mr. Anoop Sukumaran
Environmental Engineer, Searles Valley
P.O. Box 367
Trona, CA 93592-0367

Director, Air Division (Attn: AIR-3)
United States EPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105

Ms. Kiersten Melville
Metropolitan Water District
700 N Alameda Street, 8th Floor Rm 106
Los Angeles, CA 90012

Ms. Janet Laurain
Adams Broadwell Joseph & Cardozo
601 Gateway Blvd., St. 1000
South San Francisco, CA 94080-7037

City Manager
City of Barstow
220 East Mountain View, Suite A
Barstow, CA 92311

Environmental Manager
Duffield Marine, Inc.
17260 Muskrat Avenue
Adelanto, CA 92301

Mr. Jon Boyer
High Desert Power Project LLC
19000 Perimeter Rd
Victorville, CA 92394

Mr. David Rib
Environmental Manager, Mitsubishi Cement
5808 State Highway 18
Lucerne Valley, CA 92356-9691

Mr. Mark Solheid
Senior EHS Analyst, NASA/Goldstone DSCC
93 Goldstone Road
Fort Irwin, CA 92310

Mr. Kou Thao
Environmental Scientist, PG&E
P.O. Box 7640
San Francisco, CA 94120

Ms. Karin Fickerson
Air Quality Team Lead, SoCalGas
1650 Mountain View Avenue
Oxnard, CA 93030

Ms. Anne McQueen
Senior Engineer, Yorke Engineering, LLC
31726 Rancho Viejo Road, Suite 218
San Juan Capistrano, CA 92675

Ms. Lisa Beckham
United States EPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105

Chief, Planning Division
California Air Resources Board
P.O. Box 2815
Sacramento, CA 95812

Mr. Michael Olokode
Air Program Manager, N45NCW, NAWs
429 E Bowen Rd, Stop 4014
China Lake, CA 93555-6108

Mr. Randy Lack
Chief Marketing Officer, Element Markets,
3200 Southwest Freeway, Suite 310
Houston, TX 77027

Mr. Glen King
Environmental Manager, Luz Solar Partners
43880 Harper Lake Road
Harper Lake, CA 92347

Environmental Manager
Mobile Pipe Lining & Coating, Inc
12766 Violet Road
Adelanto, CA 92301

Mr. Don Shepherd
National Park Service, Air Resources Div
12795 W Alameda Pkwy
Lakewood, CO 80228

Mr. Steve Smith
SB County Transportation Authority
1170 W. Third Street, Second Floor
San Bernardino, CA 92410

Environmental Contact
Specialty Minerals Inc.
P.O. Box 558
Lucerne Valley, CA 92356-0558

Air Program Manager
Environmental Division, USMC MCLB
Box 110170 Bldg 196
Barstow, CA 92311

Javin Moore
Air Program Manager, Bureau of Indian
1451 Research Park Drive, Suite 100
Riverside, CA 92507

<p>Andrew Salas Chairman, Gabriel Band of Mission Indians - PO Box 393 Covina, CA 91723</p>	<p>Chief, San Gabriel Band of Mission Indians PO Box 693 San Gabriel, CA 91778</p>	<p>Mr. Steve Cummings Senior Air Quality Tech Specialist, Southern P.O. Box 800 Rosemead, CA 91770</p>
<p>Mr. James Sharp HSE Manager, Elementis Specialties 31763 Mountain View Road Newberry Springs, CA 92365</p>	<p>Ms. Jenna Latt CARB/Office of Ombudsman 9480 Telstar Avenue, Annex 1 El Monte, CA 91731</p>	<p>Mr. Ralph McCullers EH&S Manager, OMYA (California), Inc. 7225 Crystal Creek Rd Lucerne Valley, CA 92356</p>
<p>Mr. Joseph Hower Principal, Air Sciences, Ramboll Environ 350 S Grand Ave, Ste 2800 Los Angeles, CA 90017</p>	<p>Mrs. Samantha Lopez Permit Engineer, Mojave Desert AQMD 14306 Park Ave Victorville, CA 92392</p>	<p>Mr. Josh Dugas Division Chief, San Bernardino County EHS 385 N Arrowhead Ave, Second Floor San Bernardino, CA 92415-0160</p>
<p>Ms. Cinnamon Smith Sr. Specialist - Permitting & Compliance, 1001 Louisiana Street, 891H Houston, TX 77002</p>	<p>Mr. John Vidic Air Program Manager, USAF 412 120 N. Rosamond Blvd, Bldg. 3735 (Ste A) Edwards AFB, CA 93524</p>	<p>Mr. Dan Guillory Environmental Contact, Metropolitan Water P O Box 54153 Los Angeles, CA 90054</p>
<p>Mr. Zeyd Tabbara Broker, BGC Environmental Brokerage 1 Seaport Plaza New York, NY 10038</p>	<p>Ms. Alexandra Minitrez Air Compliance Specialist, MP Materials HC1 Box 224, 67750 Bailey Road Mountain Pass, CA 92366</p>	<p>Ms. Dolores Wyant 18710 Corwin Road Apple Valley, CA 92307</p>
<p>Ms. Jaclyn Ferlita Air Quality Consultants 5881 Engineer Drive Huntington Beach, CA 92649</p>	<p>Ms. Courtney Graham Manager, Permit Evaluation Section,, P.O. Box 2815 Sacramento, CA 95812</p>	<p>Mr. Tom Lucas Drew Carriage 5540 Brooks Street Montclair, CA 91763</p>
<p>Ms. Chanice Allen Environmental Team Lead, SoCalGas 8101 Rosemead Blvd, SC722P Pico Rivera, CA 90660</p>	<p>Ms. Alison Wong Technical Advisor, SoCalGas 8101 Rosemead Blvd, SC722P Pico Rivera, CA 90660</p>	<p>Mr. Carlos Gaeta Southern California Gas Company 17071 Gas Line Rd, M/L SC700F Victorville, CA 92394-1007</p>
<p>Mr. Merl Abel Governing Board Member, Town of Yucca 57090 29 Palms Highway Yucca Valley, CA 92284</p>	<p>Ms. Alejandra Silva Environmental Manager, CEMEX 16888 North E Street Victorville, CA 92392</p>	<p>Mr. Rick Renteria EH&S Manager, Northwest Pipe Co. 12351 Rancho Road Adelanto, CA 92301</p>
<p>Mr. Andreas Mehlich Maintenance Manager, Blythe Energy Inc. 385 N. Buck Blvd. Blythe, CA 92225</p>		

Appendix C

Emissions Inventory Data

File name: C:\Users\sherih\Desktop\SEGS EY20 CEIR.rtf

HARP Facility Emission Summary

Project Path: \\nas02\Private Docs\SheriH\My Documents\CEI\2019 CEI
Project Database: \\nas02\Private Docs\SheriH\My Documents\CEI\2019 CEI\CEI2019-PerformanceAbrasives.mdb
CEIDARS Utility Database: C:\HARP2\Tables\CEIDARSTables072020.mdb
Facility List: SEGS.fac
Pollutant List: N/A
Sorting Order: FACID, CO, AB, DIS, YEAR, TOXAPPEN, POLABBREV
Date Created: 2/7/2022 2:06:39 PM
Operator: SMH

HARP EIM Version: 2.1.4

(Note: Emissions in LBS/YR for toxics, TONS/YR for criteria pollutants, CURRIES/YR for radio nuclides. * User defined pollutants are marked by an asterisk with the pollutant ID.)

[illegible]

Y	Hexane	110543	0.675	2020
Y	In[1,2,3-cd]pyr	193395	9.045E-04	2020
Y	Lead	7439921	0.254	2020
Y	Manganese	7439965	0.185	2020
Y	Me t-ButylEther	1634044	0.230	2020
Y	Mercury	7439976	0.127	2020
Y	Naphthalene	91203	5.133E-02	2020
Y	Nickel	7440020	0.987	2020
Y	PAHs-w/	1150	0.332	2020
Y	Phenanthrene	85018	0.234	2020
Y	Phenol	108952	967.705	2020
Y	Pyrene	129000	1.549	2020
Y	Selenium	7782492	3.670E-02	2020
Y	Toluene	108883	4.070	2020
Y	Xylenes	1330207	2.859	2020
	CO	42101	0.575	2020
	NH3-Crit, tons	42604	N/A	2020
	NOX	42603	8.136	2020
	PM	11101	18.998	2020
	PM10	85101	2.949E-02	2020
	ROG	16113	1.284	2020
	SOX	42401	0.140	2020
	TOG	43101	20.230	2020

FACILITY NAME FSIC
A-I-----

A-I

A-I

A-I ZIP CO AB DIS CATEGORY HAP POLLUTANT POLLUTANT ID EMISSIONS YEAR

A-I

A-I 4911

ADDRESS

A-I----- 92347 36 MD MOJ A-I Barium 7440393 1.069 2020

92347 HARPER LAKE SEGS VIII Copper 7440508 0.210 2020

A-I----- DiClBenzenes 25321226 0.292 2020

A-I DieselExhPM 9901 40.815 2020

A-I NH3 7664417 5.176 2020

43880 HARPER LAKE ROAD Propylene 115071 4.174 2020

WINKLEY Vanadium 7440622 0.559 2020

A-I Zinc 7440666 7.069 2020

A-I 1,3-Butadiene 106990 0.208 2020

CRIT Y 2MeNaphthalene 91576 5.832E-03 2020

CRIT Y 3-MeCholanthren 56495 4.374E-04 2020

CRIT Y 7,12-DB[a]anthr 57976 3.888E-03 2020

CRIT Y Acenaphthene 83329 2.003E-02 2020

CRIT Y Acenaphthylene 208968 1.455E-02 2020

CRIT Y Acetaldehyde 75070 0.971 2020

CRIT Y Acrolein 107028 0.227 2020

Y Anthracene 120127 7.037E-03 2020

Y Arsenic 7440382 5.609E-02 2020

Y B[a]anthracene 56553 6.583E-04 2020

Y B[a]P 50328 4.012E-04 2020

Y B[b]fluoranthen 205992 4.439E-04 2020

Y B[g,h,i]perylene 191242 6.842E-03 2020

Y B[j]fluoranthen 205823 4.374E-04 2020

Y B[k]fluoranthen 207089 1.018E-05 2020

Y Benzene 71432 193.873 2020

Y Beryllium 7440417 2.916E-03 2020

Y Biphenyl 92524 5120.886 2020

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3819 HARPER LAKE SEGS IX

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Y	Cadmium	7440439	0.269	2020
Y	Chlorobenzn	108907	1.921E-04	2020
Y	Chromium	7440473	0.343	2020
Y	Chrysene	218019	6.891E-03	2020
Y	Cobalt	7440484	2.041E-02	2020
Y	Cr(VI)	18540299	1.921E-04	2020
Y	D[a,h]anthracen	53703	4.271E-04	2020
Y	Ethyl Benzene	100414	0.530	2020
Y	Fluoranthene	206440	7.183E-03	2020
Y	Fluorene	86737	4.236E-02	2020
Y	Formaldehyde	50000	19.936	2020
Y	HCl	7647010	0.179	2020
Y	Hexane	110543	0.342	2020
Y	In[1,2,3-cd]pyr	193395	4.621E-04	2020
Y	Lead	7439921	0.129	2020
Y	Manganese	7439965	9.532E-02	2020
Y	Me t-ButylEther	1634044	0.230	2020
Y	Mercury	7439976	6.539E-02	2020
Y	Naphthalene	91203	1.892E-02	2020
Y	Nickel	7440020	0.514	2020
Y	PAHs-w/	1150	0.151	2020
Y	Phenanthrene	85018	8.749E-02	2020
Y	Phenol	108952	483.103	2020
Y	Pyrene	129000	1.533E-02	2020
Y	Selenium	7782492	1.524E-02	2020
Y	Toluene	108883	2.164	2020
Y	Xylenes	1330207	1.500	2020
	CO	42101	0.267	2020
	NH3-Crit, tons	42604	N/A	2020
	NOX	42603	3.605	2020
	PM	11101	9.587	2020
	PM10	85101	7.476E-03	2020
	ROG	16113	0.672	2020
	SOX	42401	7.291E-02	2020
	TOG	43101	10.104	2020
	Barium	7440393	0.978	2020
	Copper	7440508	0.196	2020
	DiClBenzenes	25321226	0.267	2020
	DieselExhPM	9901	69.912	2020
	NH3	7664417	9.475	2020
	Propylene	115071	4.176	2020
	Vanadium	7440622	0.511	2020
	Zinc	7440666	6.483	2020
Y	1,3-Butadiene	106990	0.357	2020
Y	2MeNaphthalene	91576	5.335E-03	2020
Y	3-MeCholanthren	56495	4.001E-04	2020
Y	7,12-DB[a]anthr	57976	3.556E-03	2020
Y	Acenaphthene	83329	3.396E-02	2020
Y	Acenaphthylene	208968	2.458E-02	2020
Y	Acetaldehyde	75070	1.488	2020
Y	Acrolein	107028	0.234	2020
Y	Anthracene	120127	1.159E-02	2020
Y	Arsenic	7440382	5.729E-02	2020
Y	B[a]anthracene	56553	7.784E-04	2020
Y	B[a]P	50328	3.769E-04	2020
Y	B[b]fluoranthen	205992	4.113E-04	2020
Y	B[g,h,i]perylen	191242	1.141E-02	2020

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Y	B[j]fluoranthene	205823	4.001E-04	2020
Y	B[k]fluoranthene	207089	1.744E-05	2020
Y	Benzene	71432	194.525	2020
Y	Beryllium	7440417	2.667E-03	2020
Y	Biphenyl	92524	5136.786	2020
Y	Cadmium	7440439	0.247	2020
Y	Chlorobenzene	108907	3.290E-04	2020
Y	Chromium	7440473	0.316	2020
Y	Chrysene	218019	1.145E-02	2020
Y	Cobalt	7440484	1.867E-02	2020
Y	Cr(VI)	18540299	3.290E-04	2020
Y	D[a,h]anthracene	53703	4.213E-04	2020
Y	Ethyl Benzene	100414	0.462	2020
Y	Fluoranthene	206440	1.172E-02	2020
Y	Fluorene	86737	7.201E-02	2020
Y	Formaldehyde	50000	19.561	2020
Y	HCl	7647010	0.306	2020
Y	Hexane	110543	0.333	2020
Y	In[1,2,3-cd]pyr	193395	4.424E-04	2020
Y	Lead	7439921	0.125	2020
Y	Manganese	7439965	8.956E-02	2020
Y	Mercury	7439976	6.157E-02	2020
Y	Naphthalene	91203	3.241E-02	2020
Y	Nickel	7440020	0.473	2020
Y	PAHs-w/	1150	0.181	2020
Y	Phenanthrene	85018	0.147	2020
Y	Phenol	108952	484.603	2020
Y	Pyrene	129000	1.534	2020
Y	Selenium	7782492	2.146E-02	2020
Y	Toluene	108883	1.906	2020
Y	Xylenes	1330207	1.359	2020
	CO	42101	0.309	2020
	NOX	42603	4.532	2020
	PM	11101	9.411	2020
	PM10	85101	2.202E-02	2020
	ROG	16113	0.611	2020
	SOX	42401	6.669E-02	2020
	TOG	43101	10.127	2020

Appendix D

Proposed Permits



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

Description:

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

SIC: 4911

SCC: 10100601

Locationf/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: **COPY**

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. Facility-wide emissions must be:

- a) less than 20 tons per year of NOx; and,
- b) no more than 26.5 tons per year of CO.

Compliance for this equipment 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).

Facility-wide emissions shall be calculated and recorded, in tons, on a calendar month basis and totaled for each consecutive twelve-month basis. For emergency engines, only emissions generated during testing and maintenance shall apply toward the facility-wide emission limits. These records shall be maintained as current for a minimum of five (5) years, and made available upon District, State and/or Federal request. [District Rule 221(B)]

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.

8. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

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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

Description:

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

Fee Schedule: 1 (d)

Rating: 2240 bhp

SIC: 4911

SCC: 99999999

Locationf/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: **COPY**

Brad Poiriez

Air Pollution Control Officer

Towers".

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.

7. Facility-wide emissions must be:

- a) less than 20 tons per year of NO_x; and,
- b) no more than 26.5 tons per year of CO.

Facility-wide emissions shall be calculated and recorded, in tons, on a calendar month basis and totaled for each consecutive twelve-month basis. For emergency engines, only emissions generated during testing and maintenance shall apply toward the facility-wide emission limits. These records shall be maintained as current for a minimum of five (5) years, and made available upon District, State and/or Federal request.

[District Rule 221(B)]

8. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.

[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]



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

Description:

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

Fee Schedule: 7 (i)

Rating: 1 device

SIC: 4911

SCC: 99999999

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

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

By: **COPY**

Brad Poiriez

Air Pollution Control Officer

owner/operator shall submit to the District a plan demonstrating how compliance will be achieved and maintained with such regulations.

3. Facility-wide emissions must be:

- a) less than 20 tons per year of NO_x; and,
- b) no more than 26.5 tons per year of CO.

Facility-wide emissions shall be calculated and recorded, in tons, on a calendar month basis and totaled for each consecutive twelve-month basis. For emergency engines, only emissions generated during testing and maintenance shall apply toward the facility-wide emission limits. These records shall be maintained as current for a minimum of five (5) years, and made available upon District, State and/or Federal request.

[District Rule 221(B)]

4. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.

[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

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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

Description:

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]

Fee Schedule: 7 (g)

Rating: 1 device

SIC: 4911

SCC: 20100102

Locationf/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: **COPY**

Brad Poiriez

Air Pollution Control Officer

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.

[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. Owner/operator 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 owner/operator 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.

10. Facility-wide emissions must be:

a) less than 20 tons per year of NO_x; and,

b) no more than 26.5 tons per year of CO.

Facility-wide emissions shall be calculated and recorded, in tons, on a calendar month basis and totaled for each consecutive twelve-month basis. For emergency engines, only emissions generated during testing and maintenance shall apply toward the facility-wide emission limits. These records shall be maintained as current for a minimum of five (5) years, and made available upon District, State and/or Federal request.

[District Rule 221(B)]

11. A facility wide Comprehensive Emission Inventory (CEI) for all emitted criteria and toxic air pollutants must be submitted to the District, in a format approved by the District, upon District request.
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

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