

Pinal County Air Quality Control District

**AUTHORIZATION TO OPERATE (A.T.O.)
GENERAL PERMIT COVERAGE NUMBER GV11011.000**

Issued to: **Solv Energy, LLC
16680 West Bernardo Drive
San Diego, California 92127**

For: **Chirreon Solar
57644 East Edwin Road
SaddleBrooke, Arizona**

Equipment: Pinal County A.T.O. Number: GV11011.001

Description: Air Curtain Incinerator
Make: Burnboss
Model: T24
Equipment ID No./Serial No.:
Date of Manufacture/Const.: 2020
Maximum Capacity: Manufacturer capacity 1 ton/hour
Limited to 35 tons / day by permit condition
Potential to Emit (PTE): 20.76 tons/year particulate matter (PM₁₀)
6.39 tons/year nitrogen oxides (NO_x)
3.55 tons/year carbon monoxide (CO)
0.16 tons/year sulfur dioxide (SO₂)
NSPS Source: NSPS Subpart EEEE

Pinal County A.T.O. Number: GV11011.002

Description: Non-emergency Built-In Generator
Make: Kubota
Model: Z482-E3
Equipment ID No./Serial No.:
Date of Manufacture/Const.: 2020
Maximum Capacity: 12.5 horsepower
Potential to Emit (PTE): 0.1 tons/year particulate matter (PM₁₀)
1.7 tons/year nitrogen oxides (NO_x)
0.4 tons/year carbon monoxide (CO)
0.1 tons/year sulfur dioxide (SO₂)
0.1 tons/year volatile organic compounds (VOC)

Permit GV11011.000 Checklist

The following items are provided as an optional checklist for reviewing permit requirements. Additional details and requirements can be found in the permit.

- Have the ATO numbers been affixed to the units? (Page 5)
Yes_____ No_____
- Has the annual emission inventory questionnaire been completed by March 31st or 90 days after receiving the form, whichever occurs later? (Page 5)
Yes_____ No_____
- Has the annual compliance certification been submitted by September 30th? (Page 6)
Yes_____ No_____
- Have all submittals been sent to Pinal County Air Quality, P.O. Box 987, Florence, AZ 85132 and if applicable to the U.S. Environmental Protection Agency? (Page 17)
Yes_____ No_____
- Have monthly opacity screens been conducted by a certified Method 9 observer on the air curtain? (Page 20)
Yes_____ No_____
- Were 35 tons or less of material burned each day? (Page 24)
Yes_____ No_____
- Were the materials burned only wood waste, clean lumber or yard waste, as defined in the permit? (Page 24)
Yes_____ No_____
- Has the air curtain been situated at least 50 feet from the nearest dwelling? (Page 24)
Yes_____ No_____
- Have records of the hours of operation and material throughput been maintained? (Page 20) 25
Yes_____ No_____
- Was the air curtain operated pursuant to the general operating requirements listed in the permit, including but not limited to: maintaining proper blower speed, operating the blower whenever material is burning, material must not extend above the air curtain, stop loading at least 2 hours prior to sunset, ensure no emissions are created overnight,

extinguish all materials removed from the incinerator, conduct visual inspections prior to burning, and do not burn oleanders? (Page 25)

Yes_____ No_____

- Were all six minute average opacity readings at or below 10%, unless during startup? (Page 25)

Yes_____ No_____

- Were all six minute average opacity reading at or below 35% during the startup period consisting of the first 30 minutes of operation? (Page 26)

Yes_____ No_____

- Has an EPA Method 9 Opacity test been conducted within 180 days of issuance of coverage and annually thereafter? (Page 26)

Yes_____ No_____

- Have monthly opacity screens been conducted by a certified Method 9 observer on fugitive dust sources? (Page 26)

Yes_____ No_____

- Has manufacturer test data been submitted to Pinal County Air Quality demonstrating compliance with the grain loading standard? (Page 26)

Yes_____ No_____

- Have records been maintained demonstrating the diesel fuel burned in the generator has a sulfur content below 15 ppm and a minimum centane index of 40 or a maximum aromatic content of 35%? (Page 42)

Yes_____ No_____

- Were the requirements for the non-emergency generator met as listed in Section §VI.B.2 of the General Permit? (Page 42)

Yes_____ No_____

Annual Emission Inventory Report

Permit GV11011.000
(Due March 31st of each year)

Abstract

This constitutes an annual report, documenting emissions and use of emission-generating materials during the subject reporting period.

Facility -

Mailing:
Solv Energy, LLC
16680 West Bernardo Drive
San Diego, CA 92127

Location:
Chirreon Solar
57644 East Edwin Road
SaddleBrooke, AZ 85739

Reporting Period -

January-December Year _____

Operational Report

Hours of operation for the generator: _____ hours
(in this 12 month reporting period)

Amount of material burned in the air curtain incinerator: _____ tons
(in this 12 month reporting period)

Certification by Responsible Official

I certify that, based on information and belief formed after reasonable inquiry, that the statements and information in this report are true, accurate and complete.

Signed _____

Print Name _____

Title _____

Date _____

Contact Phone Number _____

Mail to: Pinal County Air Quality Control District
P.O. Box 987
Florence, AZ 85132, or

Email to: compliancereports@pinal.gov