



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

INACTIVE

C013051

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: JUNE 2021

OWNER OF OPERATOR (Co. #2415)

Envirepel Energy Inc.
219 Rancho Bonito Road
Fallbrook, CA 92028

EQUIPMENT LOCATION (Fac. #3807)

Phelan Park Renewable Energy Facility
18101 Sheep Creek Road
Adelanto, CA 92301

Description:

WET SCRUBBER, COMBUSTION LINE #1 consisting of: A custom built concurrent-flow scrubber designed to reduce HCl, SO₂, and PM from the exhaust flow of combustion unit #1. The contact area measures 96 inches in length by 20.7 inches in cross-sectional area with an approximate gas flow rate of 29,869 acfm at 250 degrees Fahrenheit. The aqueous NaOH scrubbant flow rate is approximately 56 gallons per minute through 56 nozzles (1 gpm per minute per nozzle) at a nominal operating pressure of 20 psig.

CONDITIONS:

1. This concurrent flow wet scrubber equipment shall be installed, operated and maintained in strict accordance 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 Rules 204 and 1302]

2. This equipment shall be operating and fully functional whenever the equipment identified in District Permit B013149 is operating.
[District Rules 1303 and 1320]

3. A flow meter shall be installed and maintained on this unit to indicate the scrubbant flow rate through this unit. This gauge shall be checked at least once each day and the results shall be logged. In the event that the flow rate is less than fifty (50) gallons per hour (gph), repairs and/or adjustments shall be made as necessary to regain at least a 50 gph flow rate.
[District Rules 1302 and 1303]

4. The only scrubbant used in this system shall be aqueous Sodium Hydroxide (NaOH).
Furthermore, the pH of the scrubbant solution shall be maintained between 10.5 and 11.5 during all normal operations. The pH of the

Fee Schedule: 7 (h) Rating: 1 device SIC: 4953 SCC: 10200905 Location/UTM(Km): 446E/3826N

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

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

scrubbant shall be measured daily and the results shall be recorded.
[District Rules 204, 1302, and 1320]

5. The owner/operator shall maintain an 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. Results of all daily scrubbant flow and pH measurements; and
- b. Records of all repairs, maintenance actions, and inspections.

[District Rules 204 and 1302]

6. 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]