MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT
14306 Park Avenue Victorville, CA 92392-2310
760.245.1661 -- 800.635.4617 -- FAX 760.245.2022

INACTIVE

C012519

Inactive type Permit has no description information.

EXPIRES LAST DAY OF: DECEMBER 2022

OWNER OF OPERATOR (Co.#2251)

Aemerge RedPak Services Southern California, LLC
9600 E Avenue
Hesperia, CA 92345

EQUIPMENT LOCATION (Fac.#3614)

Aemerge RedPak Services Southern California, LLC
9600 E Avenue
Hesperia, CA 92345

Description:
VENTURI SCRUBBER, PATHOLOGICAL WASTE PYROLYSIS UNIT (SPECIAL PROJECTS UNIT) consisting of: A custom built venturi style scrubber and mist eliminator with a reaction chamber measuring approximately 9 feet high by 2.5 feet in diameter. The system uses Sodium Hydroxide (NaOH) at a nominal pH between 8.0 and 10.0 at a flow rate of approximately 300 dscfm to neutralize acid gases in the pyrolyzer's (B012518) syngas. This scrubber is then vented to the enclosed flare discussed in District Permit C012520, though future operations my have the syngas used to generate electrical power.

CONDITIONS:

1. This 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 air 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 1302]

2. This equipment and the equipment described in District Permit C012520 shall be operating whenever the Pyrolysis unit described in District Permit B012518 is operating.
[District Rules 1302 and 1320]

3. The pH of the scrubber solution shall be maintained at or above 8.0.

Fee Schedule: 7 (h)	Rating: 1 device	SIC: 4953	SCC: 10101202	Location/UTM(Km): 473E/3808N

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.

Aemerge RedPak Services Southern California, LLC
9600 E Avenue
Hesperia, CA 92345

By: **COPY**
Brad Poiriez
Executive Director

UNOFFICIAL

4. Prior to startup, the owner/operator must notify USEPA Region IX and the District of the Pathological Waste exemption claim.
[40 CFR 60, subpart Ec; 60.50c(b)]

5. All piping, valves, and flanges shall be properly maintained to minimize emissions of air pollutants to the atmosphere.
[District Rules 1302 and 1320]

6. The owner/operator must maintain an operations log for each day this equipment is operated. This log shall be maintained current, kept for a total of five (5) years and on-site for a minimum of two (2) years and be provided to authorized District, State, or Federal personnel upon request. The log shall contain the following at a minimum:
a. The start and stop times.
b. Beginning and ending pH readings of the scrubber solution.
c. Times and durations of malfunctions, a description of the malfunction, and the corrective action taken.
d. Records of the calibration of all monitoring devices.
e. The results of all performance tests.
f. Equipment vendor specifications and related operation and maintenance requirements.
[District Rules 204 and 1302]

7. In the event of a malfunction in any part of this pyrolysis system, the entire process line must be shut down as soon as safely as possible and shall not be restarted until all malfunctions have been corrected. [District Rules 204 and 1320]

8. The facility shall not emit NOx, VOCs, PM10,CO, H2S, Pb, SOx, or HAPS into the atmosphere at a rate exceeding the following limits in any consecutive 12 month period to remain below the Synthetic Minor - 80% (SM-80) threshold:
a. NOx: 20 tons
b. VOC: 20 tons
c. PM10: 12 tons
d. CO: 80 tons
e. H2S: 8 tons
f. Pb: 0.48 tons
g. SOx: 20 tons
h. Any single HAP: 8 tons
i: Total of all HAPS: 20 tons
[District Rules 1302 and 1303]

9. The facility shall prepare and submit Comprehensive Emission Inventory Plans (CEIPs) and Comprehensive Emission Inventory Reports (CEIRs) in a format approved by the District upon District Request.
[District Rule 204]