



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

TERMINATED

B014013

Terminated type Permit has no description information.

EXPIRES LAST DAY OF: MARCH 2022

OWNER OF OPERATOR (Co.#2499)

North American Recycling and Crushing, LLC
16009 E. Irwindale Blvd.
Irwindale, CA 91702

EQUIPMENT LOCATION (Fac.#1645)

North American Recycling and Crushing, LLC
District Wide
MDAQMD, CA 92392

Description:

DIESEL IC ENGINE, PORTABLE GENERATOR consisting of: A certified Tier 4 interim 4SRB diesel engine, EPA Family DCPXL27.0HYA, CARB EO U-R-001-0463 manufactured in 2013. Exhaust flow is approximately 4477 ACFM at 811 degrees Fahrenheit through a 13.33 foot tall by 8 inch diameter stack. PERP Registration Number is 167147. Current equipment elevation is 2662 feet above sea level. As of October 8, 2020, this equipment is or will be operating at the Vulcan Materials Company, 20181 National Trails Highway, Oro Grande California (facility no. 169). North American Recycling will locate at the Vulcan Oro Grande facility to crush and screen recycled asphalt pavement (RAP) in order for Vulcan to utilize the recycled material to manufacture finished asphalt. In this instance, this equipment will be on-site for approximately 30 days.

One Caterpillar, Diesel fired internal combustion engine Model No. C27 and Serial No. ZRS00378, Turbo Charged, Exhaust Gas Recirculation, Exhaust Gas Recirculation, Charge Air Cooler, producing 1093 bhp with 12 cylinders at 2100 rpm while consuming a maximum of 53 gal/hr. This equipment powers a TBD Generator Model No. TBD and Serial No. TBD, rated at TBD.

EMISSIONS RATES

| Emission Type | Est. Max Load | Unit |
|---------------|---------------|-----------|
| CO | 0.447 | gm/bhp-hr |
| NOx | 2.312 | gm/bhp-hr |
| PM10 | 0.037 | gm/bhp-hr |
| PM2.5 | 0.037 | gm/bhp-hr |
| SOx | 0.0045 | gm/bhp-hr |
| VOC | 0.104 | gm/bhp-hr |

CONDITIONS:

Fee Schedule: 1 (d)

Rating: 1093 bhp

SIC: 1442

SCC: 20100102

Location/UTM(Km):
473E/3956N

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.

North American Recycling and Crushing,
LLC
16009 E. Irwindale Blvd.
Irwindale, CA 91702

By: **COPY**
Eldon Heaston
Air Pollution Control Officer

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 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 unit shall only be fired on ultra-low sulfur diesel fuel whose sulfur concentration is less than or equal to 0.0015% (15 ppm) per CARB Diesel or equivalent requirements; or alternative diesel fuel or CARB diesel fuel utilizing fuel additives that has been verified through the Verification Procedure for In-Use Strategies to Control Emissions from Diesel Engines.
[Title 17 CCR 93116.3(a)]

3. A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed engine operating time.
[Title 17 CCR 93116.4(c)(2)(A)]

4. This engine shall not operate more than 12 hours/day, and no more than 312 hours per month rolling average, and no more than 1872 hours per year. These hour limitations are imposed to preclude a high health risk to nearby receptors, and/or to preclude exceeding the 15 tpy PM-10 facility threshold limits of District Rule 1303. Note: This is a result of this equipment being used to power the Crushing and Screening equipment and associated Baghouses operating with District Permits B003183, C003184, and C004302.
[District Rule 13203 and 1320]

5. This engine is subject the Portable Diesel ATCM 17 CCR 93116, as such the owner/operator shall comply with either the Fleet Average requirements or Tier Drop requirements for their fleet. The owner/operator shall demonstrate compliance with the Portable ATCM upon request by either District, State, or Federal personal.
[17 CCR 93116]

6. Pursuant to 17 CCR 93116, owner operators of a Large Fleet, that elect not to comply with section 17 CCR 93116.3(c)(1), must comply with the following weighted PM emission fleet averages expressed as grams per brake horsepower-hour (g/bhp-hr) by the listed compliance dates:
For Compliance Date of 01-01-20, the fleet average shall not exceed 0.10 g/bhp-hr;
For Compliance Date of 01-01-23, the fleet average shall not exceed 0.06 g/bhp-hr;
For Compliance Date of 01-01-27, the fleet average shall not exceed 0.036 g/bhp-hr.
[Portable Diesel ATCM 93116]

7. The owner/operator shall maintain an 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. Initial hour meter reading upon arrival at the facility and final hour meter reading upon departure from the facility;
 - b. Daily, weekly, monthly and calendar year operation in terms of total hours;
 - c. Fuel sulfur concentration (the owner/operator may use the supplier's certification of sulfur content if it is maintained as part of this log, and
 - d. Date and location of this equipment.
[Title 17 CCR 93116.4(c) and District Rule 1302]

8. This diesel ICE and its associated equipment cannot be operated at the same engine-print (spot) for more than 365 consecutive days. This system must be moved for a valid business purpose annually.
[Title 17 CCR 93116.2(a)(29), District Rules 1302, 1303, and 1320]

9. This unit is subject to the requirements of the Airborne Toxic Control Measure (ATCM) for Portable Compression Ignition Engines (Title 17 CCR 93116). In the event of conflict between these conditions and the ATCM, the more stringent requirements shall govern.
[Title 17 CCR 93116, District Rule 1302]

10. This equipment shall not be located within 1000 feet of a Kindergarden through 12 School, additionally, the owner/operator shall notify the District a minimum of 10 working days prior to moving this equipment to a new site. Notification shall be via email at

reporting@mdaqmd.ca.gov; include equipment permit number, proposed location (address), and contact information. The District must provide concurrence and allowance for each and every location prior to the use of this equipment.
[District Rules 204, 1302 and 1320]

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]

12. Emission from this equipment shall be also included in the emissions inventory for the facility at which work is being performed. In this instance, the work is being performed at the Vulcan Material Company site in Oro Grande (facility no. 169); therefore, the date and hours of operation for this engine shall be provided To Vulcan for inclusion in their CEI submittals to the District, as applicable.
[District Rule 1320]