



# MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

## AUTHORITY TO CONSTRUCT

B015365

If construction is not completed by the expiration date of this permit, it may be renewed for one additional year upon payment of applicable fees. Any additional extension will require the written approval of the Air Pollution Control Officer. This Authority to Construct may serve as a temporary Permit to Operate provided the APCO is given prior notice of intent to operate and the Permit to Operate is not specifically denied.

**EXPIRES LAST DAY OF: MARCH 2027**

### 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  
MDAQM, CA 92392

#### **Description:**

DIESEL IC ENGINE, PORTABLE GENERATOR consisting of: Year of Mfg. TBD, EPA Tier 4F, Engine Family MCPXL18.1HTH.

One CAT, Diesel fired internal combustion engine Model No. C18 and Serial No. CM800886, Direct Injected, Turbo Charged, Selective Catalytic Reduction, Exhaust Gas Recirculation, Exhaust Gas Recirculation, Diesel Oxidation Catalyst, Periodic Trap Oxidizer, Selective Catalytic Reduction, Ammonia Oxidation Catalyst, Charge Air Cooler, producing 779 bhp with 6 cylinders at 1800 rpm while consuming a maximum of 39.5 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	0.01	gm/bhp-hr
NOx	0.07	gm/bhp-hr
PM10	0.01	gm/bhp-hr
PM2.5	0.01	gm/bhp-hr
SOx	0.01	gm/bhp-hr
VOC	0.01	gm/bhp-hr

#### **CONDITIONS:**

Fee Schedule: 1 (c)

Rating: 779 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 certified Tier 4 Final diesel fired 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 204 and 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 CAT C18 engine may operate concurrent with the CAT C18 engine under B015366 but shall not be operated concurrently with CAT C27 engine under permit number B015364.

[District Rule 1320]

5. This engine shall not be operated unless all of the following emission control systems are properly functioning:

- a. Diesel Oxidation Catalyst;
- b. Ammonia Oxidation Catalyst;
- c. Turbocharger
- d. Electronic Control Module; and,
- e. Selective Catalytic Reduction System; and
- f. Periodic Trap Oxidizer

Furthermore, no changes shall be made to any of the above systems unless done so by a factory certified technician.

[District Rule 1302]

6. 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. Date, location, and duration of each use (in hours);
- b. Monthly and consecutive 12 month period hour meter readings, including the dates of all monthly readings;
- c. Date of each maintenance action or repair on any equipment noted in Condition #4;
- d. Description of each maintenance action or repair on any equipment noted in Condition #4; and
- e. Fuel sulfur concentration as required by condition #2 (you may use the supplier's certification of sulfur content if it is maintained as part of this log).

[District Regulation XIII - NSR]

7. This equipment shall not operate within 500 meters of any receptor. Such operation will require the submittal of an application for a revised permit to operate and may require a Health Risk Assessment.

[District Rule 1320]

8. This unit shall not operate within a 1000 feet of the outer boundary of any K-12 school. Such operation will require the submittal of an application for a revised permit to operate so that the applicable requirements of the California Health and Safety Code Section 42301.6 will be met.

[H&S Code 42301.6; District Rule 1302(C)(2)(a)]

9. This engine and its associated equipment cannot be operated at the same location for more than 365 consecutive days. This equipment must be moved for a valid business purpose annually.

[District Rules 1302, 1303, and 1320 and Title 17 CCR 93116.2(a)(29)]

10. The owner/operator shall notify the District at least ten (10) days prior to operation of this equipment within the District. Notification must be sent electronically to [engineering@mdaqmd.ca.gov](mailto:engineering@mdaqmd.ca.gov). The notification must include:

- a. The permit number.
- b. The location/address where the equipment will be operated and description of the project.
- c. The contact information of the owner/operator of the equipment.

[District Rule 204]

11. This engine is subject to the requirements of Title 17 CCR 93116, the Airborne Toxic Control Measure (ATCM) for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater. In the event of a conflict between these conditions and the ATCM, the more stringent requirements shall govern.

[District Rule 1302; Title 17 CCR 93116]

12. This facility shall emit less than the following on a calendar year basis;

Oxides of Nitrogen (NO<sub>x</sub>) - 20 tons per consecutive twelve month period,

Volatile Organic Compound (VOC) - 20 tons per consecutive twelve month period,

Particulate Matter less than 10 microns (PM<sub>10</sub>) - 12 tons per consecutive twelve month period, and

Hazardous Air Pollutants (HAP) - 8 tons for any single HAP and 20 tons for any combination of HAPs per consecutive twelve month period.

Compliance shall be demonstrated to the District through the submission of a District approved Comprehensive Emission Inventory Report (CEIR) or other District approved equivalent method. The report shall be submitted to the District upon request.

Note: These emission limits keeps this facility BELOW SM-80 thresholds and precludes the requirements for Federal reportability.

[District Rules 1302 and 1320]

13. Emission from this equipment is required to be included in the emissions inventory for the permitted facility at which work is being performed. If the equipment operates at a facility not required to have district permits or one that operates under a different SIC code and the processed material is not being fed into that facility's process stream then the emissions shall be reported in an emission inventory for Facility 1645 - North American Recycling and Crushing, LLC.

[District Rule 1320]

14. 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), Health & Safety Code 39607 & 44341-44342, 17 CCR 93400 et seq., and 40 CFR 51, Subpart A]