



## 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

B015213

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: JUNE 2025

#### OWNER OF OPERATOR (Co. #2676)

AeroPro Corporation  
255 S. Leland Norton Way, Suite 4  
San Bernardino, CA 92408

#### EQUIPMENT LOCATION (Fac. #2547)

AeroPro Corporation  
13516 Phantom Rd, Hangar 756  
Victorville, CA 92394

#### Description:

DIESEL HEATER, PORTABLE consisting of: Ice Fighter, Model LD141-81, SN 24969-004662, equipped with one diesel 23 BHP fueled diesel engine EPA Engine Family CYDXL1.64J3N and one diesel fired burner, rated at 0.6 MMBtu/hr. \*This equipment may be operated at various locations, however emissions comply with the stationary requirements 40 CFR 60, Subpart IIII. This engine is below the applicability threshold for both the Stationary and Portable ATCM. While the engine MAY be used at various locations, the engine is not required to move from its footprint on an annual basis. \*While below the permitting threshold on its own, this equipment is subject to permit because it may be operated with other like units such that the aggregate heat input may exceed 2 MMBtu/hour.

#### CONDITIONS:

1. This certified portable compression-ignited internal combustion engine and any associated emission control systems 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; 40 CFR 60.4211(a)]

2. This heater shall not operate for more than 672 hours in any consecutive 12 month period nor for more than 18 hours in any 24 hour period.

[District Rule 1320]

Fee Schedule: 2 (b)

Rating: 658000Btu

SIC: 4581

SCC: 20100102

Location/UTM(Km): 473E/3820N

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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San Bernardino, CA 92408

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

3.A non-resettable four-digit (9,999) hour timer shall be installed and maintained on this unit to indicate elapsed operating time.  
[District Rule 1320]

4.This equipment shall only be fired on diesel fuel that meets the following requirements:  
a. Ultra-low sulfur concentration of 0.0015% (15 ppm) or less, on a weight per weight basis; and,  
b. A cetane index or aromatic content, as follows:  
1. A minimum cetane index of 40; or,  
2. A maximum aromatic content of 35 volume percent.  
[40 CFR 60.4207]]

Note: Use of CARB certified ULSD fuel satisfies the above requirements.

5.The owner/operator shall maintain an operations and inspection 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 of each use;
- b. Location of each use;
- c. Daily, Monthly, and 12 month rolling consecutive total hours of operation, as indicated by the hour meter readings;
- d. Records of all inspection, maintenance and/or repair actions performed on the engine, including date and description;
- e. Fuel sulfur concentration as required by condition #4 (you may use the supplier's certification of sulfur content if it is maintained as part of this log).

[District Rules 1302 and 1320]

6.This engine is subject to the requirements of 40 CFR 60, Subpart IIII - Standards of Performance for Stationary Compression Ignition Internal Combustion Engines (NSPS). In the event of a conflict between these conditions and the NSPS, the more stringent requirements shall govern.

[District Rule 1302]

7.This engine shall not be used within 1000 feet of any K-12 school, residence, hospital, or other sensitive receptor location. Sensitive receptor locations include, but are not limited to, hospitals, schools, and day care centers, and such other locations as the District board or California Air Resources Board may determine.

[District Rule 1320 and H&S Code 42705.5(a)(5)]

8.The entire facility shall not emit any of the Regulated Pollutants listed below in excess of the following limits in any consecutive 12 month period to remain below the USEPA's Synthetic Minor - 80% (SM-80) threshold:

- a. Oxides of Nitrogen (NOx): 20 tons per consecutive twelve (12) month period, measured as NO<sub>2</sub>;
- b. Oxides of Sulfur (SOx): 20 tons per consecutive twelve (12) month period;
- c. Volatile Organic Compounds (VOC): 20 tons per consecutive twelve (12) month period;
- d. Carbon Monoxide (CO): 80 tons per consecutive twelve (12) month period;
- e. Hydrogen Sulfide (H<sub>2</sub>S): 8 tons per consecutive twelve (12) month period;
- f. Lead (Pb): 0.48 tons per consecutive twelve (12) month period;
- g. Particulate Matter 10 microns and less (PM<sub>10</sub>): 14.5 tons per consecutive twelve (12) month period;
- h. Any single Hazardous Air Pollutant (HAP): 8 tons per consecutive twelve (12) month period; and,
- i. All HAPs combined: 20 tons per consecutive twelve (12) month period.

Compliance with these limits shall be demonstrated through the submission of a facility-wide Comprehensive Emission Inventory (CEI) for all emitted Regulated Air Pollutants. Exceedance of these emission limits may trigger offsets, BACT, and/or require submission of a Title V permit application.

[District Rules 1302 and 1303]

9.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]