



## 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

C014638

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 2026**

#### **OWNER OF OPERATOR (Co.#445)**

Northwest Pipe Co  
12351 Rancho Road  
Adelanto, CA 92301

#### **EQUIPMENT LOCATION (Fac.#1112)**

Northwest Pipe Co  
12351 Rancho Road  
Adelanto, CA 92301

#### **Description:**

DUST/FUME COLLECTOR, PLASMA CUTTING SYSTEM consisting of: Donaldson-Torit Downflo series dust collector, Model DFO 3-3 TEFC pulse jet type dust collector, having 3 filter cartridges each providing 190 sq ft for a total of 570 sq ft of filter area, with a 3 HP fan exhausting 1000 cfm at 6 inches w.c. static pressure, achieving an average emission level of no more than 0.002 grains per dscf.

#### **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 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]
2. Visible emissions from this equipment shall not exceed an opacity equal to, or greater than, twenty percent (20%) for a period aggregating more than three (3) minutes in any one (1) hour, excluding uncombined water vapor. This equipment shall not discharge air contaminants or materials constituting a nuisance to any considerable number of persons or to the public. No visible emissions shall extend beyond the property line of the emission source. [District Rules 401, 402, 403, and 1302]
3. The owner/operator shall maintain, on-site, a minimum inventory of replacement filters to assure compliance with these conditions. [District Rules 1302 and 1303]

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 3317

SCC: 30903008

Location/UTM(Km): 465E/3824N

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

4.Dust/particulates collected in this equipment shall be discharged only into closed containers.  
[District Rule 1302 and 1303]

5.A manometer shall be installed to indicate the pressure differential across the filters. Furthermore, the pressure differential shall be maintained between 0.5 and 6.0 inches of water column during operation.  
[District Rules 1302 and 1303]

6.The owner/operator shall conduct annual inspections of the cartridge filters, the filter suspension system, the enclosure seals, and the pulsing system to ensure there are no leaks and that the pulsing system is functioning properly.  
[District Rule 1302]

7.The owner/operator must maintain an operations log for this equipment. This log shall be maintained current, kept for a total of five (5) years and be provided to authorized personnel upon request. The log shall contain the following at a minimum:

- a) Pressure differential readings;
- b) Date and Results of the annual filter and filter suspension system inspections;
- c) Date of filter replacements;
- d) Date and location of use; and,
- e) Date and nature of any maintenance and malfunctions/breakdowns.

[District Rules 401, 430, and 1302]

8.This dust collector shall be fully functional and operating whenever the plasma cutting system associated with District PermitB014637 is in operation.

[District Rules 1302, 1303 and 1320]

9.This facility has elected to voluntarily limit its emissions to the extent that this facility is no longer subject to the provisions of Regulation XII - Federal Operating Permits [District Rule 221(B)]. As such, the facility-wide emissions must less than the following limitations in each consecutive twelve-month period:

- a) 80 tons per year of Carbon Monoxide (CO) per calendar year;
- b) 20 tons per year of Oxides of Nitrogen (NOx) per calendar year;
- c) 25 tons per year of Volatile Organic Compounds (VOC) per each consecutive twelve-month period (synthetic minor designation);
- d) 80 tons per year of Particulate Matter of 10 microns or less (PM10) per calendar year;
- e) 20 tons per year of Oxides of Sulfur (SOx) per calendar year;
- f) 8 tons per year of any single Hazardous Air Pollutant (HAP) per calendar year; and,
- g) 20 tons per year of any combination of HAP per calendar year.

Compliance with these emission limitations must be verified by pollutant-specific emission summaries for each calendar year except for VOC which must be verified for each consecutive twelve-month period. These emission summaries must be retained on-site for a minimum period of five (5) years; and, must be made available for review upon request by District, State or Federal personnel.

[District Rules 221(B) and 1201(S)]

In addition, this facility is designated as a Major Source of PM10 under Regulation XIII - New Source Review, as it has a Potential to Emit in an amount equal to or greater than 15 tons per year of PM10; therefore, any new Permit Unit or any Modified Permit Unit at this facility must be fully offset pursuant to District Rule 1303(B).

[District Rules 1301(II) and 1303(B)]

10.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]