



MOJAVE DESERT AIR QUALITY MANAGEMENT DISTRICT

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

PERMIT TO OPERATE

B011787

Operation under this permit must be conducted in compliance with all information included with the initial application, initial permit condition, and conditions contained herein. The equipment must be maintained and kept in good operating condition at all times. This Permit to Operate or copy must be posted on or within 8 meters of equipment. If a copy is posted, the original must be maintained on site, available for inspection at all times.

EXPIRES LAST DAY OF: JUNE 2025

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:

ABRASIVE BLAST ENCLOSURE consisting of: A custom fabricated metal enclosure measuring 70' W x 60' L x 25' H, having an abrasive blast area and equipment area divided by a solid partition and featuring an Abrasive Blast and Abrasive Blast Media Reclamation System described as follows;

EQUIPMENT

Capacity	Equipment Description
0	Manual feed, below grade abrasive blast media collecting trough, a 3 by 3 hopper and elevator (20' 10" high), a left hand abrasive cleaner/air wash unit, and two abrasive blast pot stand (dimensions 25" x 25" x 77"). Plant air is to be used only.
75	Clemco Model 2443, Serial No. TBD, single chamber dry sandblast machine, 6.0 cu ft capacity, powered by facility compressed air system with a maximum of 100 PSIG. With one abrasive-blasting nozzle with a maximum inside diameter of 1/2 inch (Nozzle #8).
75	Clemco Model 2452, Serial No. TBD, single chamber dry sandblast machine, 6.0 cu ft capacity, powered by facility compressed air system with a maximum of 100 PSIG. With one abrasive-blasting nozzle with a maximum inside diameter of 1/2 inch (Nozzle #8).
0	Clemco Model P10028 air wash unit (vent to Clemco Model RPH-2L6, C600 (600 CFM) Dust Collector)
1	Clemco Model RPH-2L6, C600 (600 CFM) Dust Collector, reverse pulse type, 470 sq ft filter area, air-to-cloth ratio of 1.28:1, 2 filter cartridges, 1 HP fan, dimensions 68"L x 46"W x 143"H

CONDITIONS:

Fee Schedule: 1 (b) Rating: 151 bhp SIC: 3317 SCC: 30900202 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.

Northwest Pipe Co
12351 Rancho Road
Adelanto, CA 92301

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

1.Abrasive blast nozzle must be periodically checked for wear. Nozzles must be repaired or replaced when inner diameter exceeds 0.5 inch.

[District Rule 204]

2.Abrasive blasting operations, using the equipment described herein, must be conducted within in the Abrasive Blast Area of the enclosure.

[District Rule 1303(B)]

3.The abrasive blast and abrasive blast media reclamation system described above shall not be operated unless vented to a functioning air pollution control device operating under valid District Permit, C011789. Note: reclaim baghouse will vent to C011789.

[District Rule 1305(2)]

4.This equipment shall only use steel grit abrasive blast media.

[District Rule 204, District Rule 1305(2)]

5.The abrasive blast enclosure (building) must be equipped with tight fitting seals around all openings, such as doors, windows, seams, etc., so as to prevent the escape of particulate material to the ambient air while in use.

[District Rule 401 and District Rule 1305(2)]

6.Abrasive blasting operations inside this enclosure shall not discharge into the atmosphere emissions which have an opacity of 20% or greater for more than three minutes in any one hour.

[District Rule 401; 17 CCR 92200]

7.The o/o shall maintain a log current and on-site, for a minimum of five years, and shall provide to District, state, and federal personnel upon request. This log shall contain, at a minimum, the following information:

- a) mass (in lbs or tons) and type of abrasive blast materials used;
- b) date and duration of use (in hours);
- c) maintenance, malfunction, and repairs; and
- d) filter replacement date and quantity.

[District Rule 1302(C)(2)(a)]

8.A pressure differential gauge must be installed and maintained on the Clemco Model RPH-2L6, C600 Dust Collector. In operation, the pressure differential must be within 0.5 to 6.0 inch water column.

[District Rule 204]

9.The o/o must maintain a minimum inventory of replacement filter cartridges onsite.

[District Rule 401]

10.The o/o must ensure the maximum air pressure applied through the abrasive blast nozzle does not exceed 100 psig.

[District Rule 204]

11.The o/o must install and maintain a pressure gauge (psig) in the abrasive blast nozzle/pot air feed line. Pressure gauge must have a range of 0 to 140 psig (+/- 20 psig).

[District Rule 204]

12.Potential PM10 emissions from this equipment and equipment with District Permit C011789 are being offset using simultaneous emission reductions (SER) obtained from the shutdown of District Permit units A010943 and A010944 and reduction in permitted operating hours (3000 hrs to 800 hrs) to District Permit units A010940, A010941, A010942, and A011075.

[District Rule 1305(2)]

13.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 be 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)]

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); H&S Code 39607 & 44341-44342; and 40 CFR 51, Subpart A]