



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

C011789

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 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 COLLECTOR, ABRASIVE BLAST ENCLOSURE consisting of: Camfil FARR Gold Series Dust Collector, Model GS-16, pulse jet type, exterior dimensions measuring 84" L x 171 3/4" H x 108 3/8" W, equipped with total of 16 Camfil HemiPleat cartridge type filters, each filter measures 39" x 14 3/4" (each filter area 455 sq ft), 30 hp fan, 15,600 cfm (15,000 cfm + 600 cfm from reclaim baghouse), air to cloth ratio: 2.14:1. Stack height 21', stack diameter 24".

CONDITIONS:

1. This equipment must be in operation and diligently maintained in proper working order according to the manufacturer's specifications whenever the Abrasive Blast Enclosure (B011787) is being operated and emitting particulate emissions.

[District Rule 204]

2. Particulate Matter (PM10) emissions from this equipment shall not exceed the following emission limits, verified by initial compliance test:

PM10 - 0.22 lb/hr [District Rule 1303 (B)]

Grain Loading - 0.0027 gr/dscf [District Rule 404]

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 3317

SCC: 30900205

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
Executive Director

3. The owner/operator (o/o) shall conduct an initial compliance test relative to District Rules 404, 405, and 1303 within 90 days of initial startup. The o/o shall use the test methods specified below and in strict accord with the District Compliance Test Procedural Manual. The o/o shall notify the District 10 days prior to conducting the test.

Test Methods (PM10):

US EPA Test Method 201 (or other equivalent method with prior District approval); and

US EPA Test Method 9.

The owner/operator must submit a compliance/certification test protocol at least thirty (30) days prior to the compliance/certification test date. The owner/operator must conduct all required compliance/certification tests in accordance with a District-approved test protocol. The owner/operator must notify the District a minimum of ten (10) days prior to the compliance/certification test date so that an observer may be present. The final compliance/certification test results must be submitted to the District within forty-five (45) days of completion of the test. All compliance/certification test notifications, protocols, and results may be submitted electronically to reporting@mdaqmd.ca.gov.

[District Rules 404; 1303(B)]

4. The o/o shall continuously monitor the opacity of the exhaust stream using either Continuous Opacity Monitoring System (COMS) or Triboelectric monitoring. A continuous monitoring protocol must be submitted to the District for approval prior to installation.

In lieu of continuous monitoring (COMS or Tribo), the o/o may elect to perform quarterly visual determinations of emissions opacity in accordance with EPA Method 9. The o/o must conduct the EPA Method 9 test while the abrasive blast enclosure is operating under normal conditions. The duration of each EPA Method 9 test must be at least 1 hour.

[17 CCR 92400]

5. A pressure differential gauge shall be installed and maintained on this equipment. In operation, the normal operating range is 0.5" to 4.0" water column (maximum 6" W.C.). The pressure gauge shall have a minimum accuracy of 0.25 inch H₂O and must be calibrated quarterly. Further, pressure taps must be checked monthly for plugging.

[District Rule 204]

6. An excursion from the normal operating range specified in condition 5 above shall result in the o/o carrying out the following:

a) conduct an inspection of equipment to determine cause;

b) proceed with corrective action; and,

c) report items a and b, above, in operations log.

[District Rule 204]

7. An operations log shall be maintained current and onsite for a minimum of five years and shall be provided to District, state, or federal personnel upon request. At a minimum log shall include the following:

a) date and nature of any system repairs, maintenance, and malfunction/breakdown;

b) weekly pressure differential recording;

c) filter replacement date and quantity of filters replaced; and,

d) date and results of annual inspections.

[District Rule 204]

8. Material discharged from this equipment must be to closed containment only.

[District Rule 204]

9. The o/o shall conduct on an annual basis a system inspection in accordance with manufacturer guidance and at a minimum, inspection of the filter and filter suspension system, ductwork, pressure gauge, and hatch and door seals.

[District Rule 204]

10. Exhaust stack must have sampling ports in a location which satisfy the requirements of US EPA Reference Method 1 and which do not compromise the safety of individuals tasked with operation or testing of equipment.

[District Rule 204]

11. 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:

- 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)]

12. 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, 17 CCR 93400 et seq., and 40 CFR 51, Subpart A]