



**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**

C014205

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: MAY 2026**

**OWNER OF OPERATOR (Co.#2239)**

CalPortland Company  
19409 National Trails Hwy  
Oro Grande, CA 92368

**EQUIPMENT LOCATION (Fac.#3)**

CalPortland Oro Grande  
19409 National Trails Hwy  
Oro Grande, CA 92368

**Description:**

SELECTIVE NON-CATALYTIC REDUCTION SYSTEM, AQUEOUS AMMONIA consisting of: an aqueous ammonia tank, aqueous ammonia pump, an aqueous ammonia pump skid, and aqueous ammonia-flow control and injection equipment.

**CONDITIONS:**

1. This equipment must 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 must also be operated in accordance with all data and specifications submitted with the application for this permit. [District Rule 204]
2. Ammonia injection by this equipment, in gallons per hour, shall be recorded and maintained on site for a minimum of five (5) years and shall be provided to District personnel on request. [District Rules 1203(D)(1)(c)&(d) and 1320]
3. Ammonia slip from kiln stack, operating under Permit B007435, shall not exceed 10 ppmvd @ 7% oxygen on a 24-hour average, verified by CEMS. Further, ammonia emissions shall not exceed 9.06 tons per year. [District Rules 401, 402, and 1320]

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 3241

SCC: 30500623

Location/UTM(Km):  
469E/3830N

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.

CalPortland Company  
Attn: Catalina Elias  
  
Oro Grande, CA 92368

By: **COPY**  
**Eldon Heaston**  
Air Pollution Control Officer

4. Ammonia slip shall be monitored using a Continuous Emissions Monitoring System (CEMS). The operator shall install, calibrate, maintain and operate this monitoring system according to a District-approved monitoring plan and Rule 218. Missing CEMS data shall be substituted in accordance with the provisions of 40 CFR 75, subpart D.

[District Rule 204]

5. Owner/operator must conduct an initial ammonia source test within 90 days of placing equipment into operation and every 12 months thereafter, according to the procedures in EPA Test Method 320 Measurement of Vapor Phase Organic and Inorganic Emissions By Extractive Fourier Transform Infrared (FTIR) Spectroscopy, or other applicable test method with prior written approval by the District.

The owner/operator shall conduct all required compliance/certification tests in accordance with the MDAQMD Compliance Test Procedural Manual. Thirty (30) days prior to the compliance/certification tests the operator shall provide a written test plan for District review and approval. Written notice of the compliance/certification test shall be provided to the District ten (10) days prior to the tests so that an observer may be present. A written report with the results of such compliance/certification test shall be submitted to the District within forty-five (45) days after testing

[District Rules 204 and 1302]

6. Ammonia injection shall only commence when the kiln is operating under normal production levels, as defined under MDAQMD Rule 1161. Ammonia injection will not occur when the kiln is in start-up or shut-down conditions, as defined under MDAQMD Rule 1161.

[District Rule 1320]

7. Owner/operator shall maintain an operations log for these units current and on-site. This log shall be provided to District, State and Federal personnel upon request and shall include, at a minimum, the information specified below:

- a) All required CEMS data;
- b) Kiln feed rate;
- c) Reagent injection rate;
- d) Results of each compliance test;
- e) Demonstration of ammonia solution concentration percentage by weight; and
- f) Annual emission summary.

[District Rules 204, 1203(D)(1)(c)&(d), and 1320]

8. The Owner/Operator shall maintain prevention and protection measures for the ammonia storage system. The ammonia storage tank area will be marked and protected so as to protect the ammonia storage area from accidents that could cause a rupture. The aqueous ammonia stored shall have a concentration of less than 29% ammonia by weight.

[District Rules 204 and 1320]

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]