



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

C000106

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: JULY 2026

OWNER OF OPERATOR (Co.#2)

CALNEV Pipe Line, LLC
1001 Louisiana Street
Houston, TX 77002-5089

EQUIPMENT LOCATION (Fac.#353)

CALNEV - Barstow Terminal
34277 Daggett-Yermo Road
Daggett, CA 92327

Description:

GASOLINE VAPOR CONTROL SYSTEM consisting of: Twelve 4-inch loading arms, a vapor compressor, a saturator tank, a vapor holder (bladder), a HIRT model LHF 8000X thermal oxidizer, and related control and monitoring elements.

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 in a manner consistent with good air pollution control practice for minimizing emissions. Unless otherwise noted, this equipment shall also be operated in accordance with all data and specifications submitted with the application for this permit.
[40 CFR 63.11085, District Rule 1302(C)(2)(a)]
2. This control system must be fully functional and properly operating whenever tanker truck loading at the loading racks described in District Permits B001005 or B000728 is taking place.
[District Rules 1302 and 1520]
3. The pilot light for this unit shall only be fired on Commercial Grade LPG/Propane with a maximum sulfur content of 185 ppmw.
[District Rules 431 and 1320]

Fee Schedule: 7 (h)

Rating: 1 device

SIC: 5171

SCC: 40400118

Location/UTM(Km):
510E/3859N

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.

CALNEV Pipe Line, LLC
1001 Louisiana Street

Houston, TX 77002-5089

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

4. A thermocouple shall be installed in the HIRT Thermal Oxidizer's exhaust stack and the temperature shall be continuously monitored and recorded. Furthermore, the system shall alarm or be automatically shut down whenever the temperature drops below 1,000 degrees Fahrenheit.

[40 CFR 63.11092 and 40 CFR 64]

5. Replacement of or major repairs to the system's motor or compressor assemblies will require a new source test to be completed within ninety (90) days of occurrence to verify system performance is consistent with the initial certification conducted by the ARB. Major repairs are defined as those costing more than 50% of the replacement cost of each assembly. Source testing shall be conducted in accordance with the currently approved Source Test Protocol on file with the District.

[40 CFR 63.11092, ARB CP-203, District Rule 462]

6. The owner/operator shall maintain an operations log for each day's operations (from midnight to midnight) for this vapor control system used to control VOC emissions from the pollutant-specific emission units under MDAQMD permit nos. B000105 and B000728. As such, the operation of this permit unit must be in accordance with an approved CAM plan. The operations log shall include, at a minimum, the following information. This log shall be kept current and on-site (or at a central location) for a minimum of five (5) years, and shall be provided to District, State and Federal personnel upon request:

- a. Records of vapor holder bladder height alarms and related actions;
- b. Records of thermal oxidizer low temperature alarms and related actions;
- c. Records of all inspections, maintenance and repairs to the primary devices, including the dates and times any temporary vapor control equipment was employed as well as copies of District notifications of the impending use of temporary vapor control equipment; and
- d. Records of the occurrence and duration of each malfunction of operation and what corrective actions were taken to minimize emissions; and,
- e. Records of all excursions, as defined within the approved CAM plan, and corrective actions taken.

[40 CFR 63.11092, 40 CFR 63.11094, 40 CFR 64, District Rule 462]

7. If the vapor holding tank bladder height reaches 12 feet, an alarm shall actuate in the facility control room and automatically interrupt cargo tank loading at the loading racks. The system shall not return control to the loading racks until the vapor blower and thermal oxidizer operate in conjunction for a period of no less than five (5) minutes.

[40 CFR 63.11092, District Rule 462 and 1303]

8. When any of the saturator-condenser tank, vapor holder, gas compressor, blower, thermal oxidizer, or related control elements are out of service due to breakdown or maintenance, any temporary Vapor Combustion System used to process vapors must be capable of meeting the requirements of 40 CFR 63.11092 and 40 CFR 60.503, and have a displaced gasoline vapor destruction efficiency of no greater than 0.08 lb per 1,000 gallons of product loaded.

[40 CFR 63.11092, ARB CP-203]

9. Prior to the operation of any compliant temporary Vapor Combustion System, the owner/ operator shall:

- a. Report the intent to use temporary devices to the District no later than one week prior to the scheduled shutdown of the primary device(s), or as soon as possible if the use of the temporary devices is a result of an emergency;
- b. The reporting person shall provide to the District an estimate of the repair/maintenance time of the primary unit(s); and
- c. The reporting person shall provide to the District information as to the nature of the repairs and/or maintenance of the primary device(s).

[District Rule 462]

10. Operation of any temporary Vapor Combustion System shall include a monitor to ensure the pilot light is constantly lit.

[40 CFR 63.11092]

11. Visible emissions from this equipment shall not exceed Ringelmann 1 (20%) opacity for a period or periods aggregating more than three minutes in any one hour.

[District Rule 401]

12. Volatile Organic Compound (VOC) emissions from this system shall not exceed 0.08 pounds per 1,000 gallons transferred into cargo tanks via the Loading Racks identified in District Permits B000105 and B000728. Furthermore, this system shall maintain a minimum destruction efficiency of 95%

[CARB Certification Procedure 203, District Rules 462 and 1303]

Note: Initial Certification testing conducted in 2002 demonstrated an emission rate of 0.037 lb total hydrocarbons/1,000 gallons and a destruction efficiency of 99.2%