



# FEDERAL OPERATING PERMIT

Permit No.: 0200353

Company: Calnev Pipe Line, LLC

Facility: Barstow Terminal

Issue date: January 1, 2018

Expiration date: December 31, 2022

**MOJAVE DESERT  
AIR QUALITY  
MANAGEMENT  
DISTRICT**

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Signed and issued by

**BRAD POIRIEZ**

EXECUTIVE DIRECTOR/

AIR POLLUTION CONTROL OFFICER

Issued: 10-01-2019

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**PART I**  
**INTRODUCTORY INFORMATION**

**A. FACILITY IDENTIFYING INFORMATION:**

Owner/Company Name: Calnev Pipe Line, LLC

Owner Mailing Address: 1100 Town & Country Rd, Orange, CA 92868

Facility Name: Calnev Pipe Line, LLC - Barstow Terminal

Facility Location: 34277 Daggett-Yermo Road, Daggett, CA 92327

MDAQMD Federal Operating Permit Number: 0200353

MDAQMD Company Number: 0002

MDAQMD Facility Number: 00353

Responsible Official: John Thomasson  
Title: Director of Operations  
Phone Number: (909) 873-5167

Responsible Official: Michael Pitta  
Title: Vice President of Operations  
Phone Number: (713) 369-5610

Facility “Site” Contact: Victor Moya  
Title: Area Manager  
Phone Number: (760) 254-5472  
Email: vic\_moya@kindermorgan.com

Facility “Off Site” Contact: Nine Mcafee  
Title: Manager, EHS  
Phone Number: (713) 420-5610

Nature of Business: Petroleum and Chemical Bulk Stations and Terminals for Hire

MDAQMD Federal Operating Permit 0200353  
Calnev Pipe Line, LLC – Barstow Terminal  
Effective Date: 10-01-2019

SIC/NAICS Code:

4226 / 49319

Facility Location:

34.87557N, 116.88719W

**B. DESCRIPTION OF FACILITY AND PROCESSES:**

This Federal Operating Permit (FOP number: 0200353) is for CALNEV Pipe Line Company - Barstow Terminal, located at 34277 Daggett-Yermo Road, Daggett, CA. The facility is a Bulk Fuel Terminal consisting of: Fourteen (14) above ground Petroleum Product Storage Tanks, two (2) Tanker Truck Loading Systems, one (1) Ethanol Tanker Truck Unloading System, and one (1) Gasoline Vapor Control System. Of the fourteen storage tanks, twelve are used for high TVP organic liquids (up to 11.0 psia) and two are used for storage of low TVP organic liquids (up to 1.5 psia).

The facility receives all of its bulk fuels except denatured ethanol from their pipeline, pumping it into their storage tanks. Denatured ethanol is received by tanker truck and is offloaded by pump from the truck and stored in a high TVP storage tank.

Delivery tanker trucks receive fuel at one of two loading racks for further delivery to wholesale, retail, agricultural, and military facilities.

When the pipeline switches fuels being delivered to the facility, some mixing of the two fuels occurs. This mixed fuel, or “Transmix” is pumped into a separate storage tank. When a sufficient quantity of Transmix has accumulated, it is loaded into a tanker truck for return to the refinery where it is re-refined.

Calnev Pipe Line, LLC - Barstow Terminal is classified as a Federal Major source for VOCs and a minor source for all other Criteria Pollutants and a minor source for HAPs.

**C. EQUIPMENT LIST:**

<b>District Permit #</b>	<b>Permit Description</b>
B000105	Tanker Loading System, Bays 1 and 2. A nine (9) station petroleum product loading system with 4 inch bottom loading arms, capable of transferring multiple petroleum products, including all grades of gasoline, denatured ethanol, Commercial Grade and Mil-Spec diesel fuels, biodiesel fuels, biofuels, Jet-A, Jet-B, Mil-Spec jet fuels, and transmix products. Emissions to the atmosphere are controlled by the fuel vapor control system described in District Permit C000106
B000728	Tanker Loading System, Bays 3 and 4: A three (3) station petroleum product loading system with 4 inch bottom loading arms, capable of transferring multiple petroleum products, including all grades of gasoline, denatured ethanol, Commercial Grade and Mil-Spec diesel fuels, biodiesel fuels, biofuels, Jet-A, Jet-B, Mil-Spec jet fuels, and transmix products. Emissions to the atmosphere are controlled by the fuel vapor control system described in District Permit C000106
B008639	Ethanol Tanker Truck Unloading System. Two 4 inch unloading hoses, two high

	capacity submerged turbine pumps, air eliminator, strainer, high performance low fugitive emission valves, flanges and associated piping.
C000106	Gasoline Vapor Control System. 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
T000096	Petroleum Product Storage Tank #330: Multiple product, double deck floating roof construction with a maximum capacity of 6,183 barrels
T000097	Petroleum Product Storage Tank #331: Multiple product, double deck floating roof construction with a maximum capacity of 7,402 barrels
T000098	Petroleum Product Storage Tank #332: Multiple product, double deck floating roof construction with a maximum capacity of 17,315 barrels
T000099	Petroleum Product Storage Tank #333: Multiple product, double deck floating roof construction with a maximum capacity of 17,291 barrels
T000100	Petroleum Product Storage Tank #334: Multiple product, double deck floating roof construction with a maximum capacity of 9,949 barrels
T000101	Petroleum Product Storage Tank #335: Multiple product, double deck floating roof construction with a maximum capacity of 9,959 barrels
T000102	Petroleum Product Storage Tank #325: Diesel/Low RVP product, cone roof and floating pan construction with a maximum capacity of 11,662 barrels
T000103	Petroleum Product Storage Tank #321: Multiple product, cone roof and floating-type pan construction with a maximum capacity of 3,760 barrels
T000104	Petroleum Product Storage Tank #322: Diesel/Low RVP product, cone roof construction with a maximum capacity of 3,015 barrels
T000723	Petroleum Product Storage Tank #320: Multiple product, floating roof construction with a maximum capacity of 12,650 barrel
T000724	Petroleum Product Storage Tank #323: Multiple product, floating roof construction with a maximum capacity of 12,673 barrels
T000725	Petroleum Product Storage Tank #324: Multiple product, fixed conical roof and floating-type pan construction with a maximum capacity of 13,600 barrels
T000726	Petroleum Product Storage Tank #300: Multiple product, fixed roof construction with a maximum capacity of 475 barrels
T000727	Petroleum Product Storage Tank #301: Gasoline additive storage, fixed roof construction with a maximum capacity of 475 barrels

Additionally, there are two small gasoline additive storage tanks which are exempt from permitting in accordance with District Rule 219. The maximum TVP of the additives stored in these tanks does not exceed 0.1 psia.

Please note that the low TVP storage tank described in District Permit T000102 meets all regulatory requirements to store high TVP products, but the increased emissions that would result from switching will need to be fully offset prior to using that tank in high TVP applications.

MDAQMD Federal Operating Permit 0200353  
Calnev Pipe Line, LLC – Barstow Terminal  
Effective Date: 10-01-2019

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**PART II**  
**FACILITYWIDE APPLICABLE REQUIREMENTS; EMISSIONS**  
**LIMITATIONS; MONITORING, RECORDKEEPING,**  
**REPORTING AND TESTING REQUIREMENTS; COMPLIANCE**  
**CONDITIONS; COMPLIANCE PLANS**

**A. REQUIREMENTS APPLICABLE TO ENTIRE FACILITY AND EQUIPMENT:**

1. A person shall not operate or use any equipment, the use of which may cause the issuance of air contaminants or the use of which may reduce or control the issuance of air contaminants, without first obtaining a written permit from the Air Pollution Control Officer or except as provided in District Rule 202.  
[District Rule 203]
2. The equipment at this facility shall not be operated contrary to the conditions specified in the District permit to operate.  
[District Rule 203]
3. The Air Pollution Control Officer may impose written conditions on any permit.  
[District Rule 204]
4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions specified in such permit.  
[District Rule 204]
5. Posting of the permit to operate is required on or near the equipment or as otherwise approved by the APCO/District.  
[District Rule 206]
6. Owner/Operator shall not willfully deface, alter, forge or falsify any permit issued under District rules.  
[District Rule 207]
7. Permits are not transferable.  
[District Rule 209]
8. The Air Pollution Control Officer may require the Owner/Operator to provide and maintain such facilities as are necessary for sampling and testing. In the event of such requirements, the Air Pollution Control Officer shall notify the Owner/Operator in writing of the required size, number and location of sampling ports; the size and location of the sampling platform; the access to the sampling platform, and the utilities for operating the sampling and testing equipment. The platform and access shall be

constructed in accordance with the General Industry Safety Orders of the State of California.

[District Rule 217]

9. The Air Pollution Control Officer may require the Owner/Operator to provide, properly install, maintain in calibration, in good working order and in operation, a stack monitoring system to measure air contaminants when the Owner/Operator installs, operates or uses any equipment which emits 900,000 kilograms (992 tons) per year of carbon monoxide (CO) or 90,000 kilograms (99 tons) per year or more of any air contaminant except CO.

The records of the data obtained from the recording devices of the stack monitoring system, specified in Subsections (a) and (b) of District Rule 218, shall clearly indicate concentrations and/or emission rates as specified by the Air Pollution Control Officer. Test records shall be maintained by the Owner/Operator for a period of five years and shall be made available, upon request, to the Air Pollution Control Officer.

A violation of emission standards of these rules, as shown by the stack monitoring system specified in Subsection (a) of District Rule 218, shall be reported by the Owner/Operator to the Air Pollution Control Officer within 96 hours.

The Owner/Operator operating a stack monitoring system, specified in Subsection (a) or District Rule 218, shall, upon written notice from the Air Pollution Control Officer, provide a summary of the emission data obtained from such systems. The summary of the data shall be in the form and the manner prescribed by the Air Pollution Control Officer.

The Owner/Operator operating or using a stack monitoring system required by this rule shall notify the Air Pollution Control Officer within 48 hours in the event of monitoring equipment shutdown or a breakdown of one hour duration or more.

The Air Pollution Control Officer may inspect, as he determines to be necessary, the monitoring devices required by this rule to insure that such devices are functioning properly.

A stack monitoring system required to be installed by this rule shall be of a type specified by the California Air Resources Board pursuant to Section 42702 of the Health and Safety Code, or of a type approved by the Air Pollution Control Officer.

[District Rule 218]

10. The equipment at this facility shall not require a District permit or be listed on the Title V permit if such equipment is listed in District Rule 219 and meets the applicable criteria contained in District Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.

[District Rule 219]

11. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.

[District Rule 221]

12. Owner/Operator shall pay all applicable MDAQMD permit fees.

[District Rule 301]

13. Owner/Operator shall pay all applicable MDAQMD Title V permit fees.

[District Rule 312]

14. Owner/Operator shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is

- (a) As dark or darker in shade as that designated No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or
- (b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke that is designated No. 1 on the Ringelmann Chart.:
- (c) Periodic Monitoring, in addition to required recordkeeping, is required to validate compliance with District Rule 401 Visible Emissions limit as indicated below:
  - (i) All NSPS units (see Appendix C).
  - (ii) All NESHAP units (see Appendix C).
  - (iii) All solid materials handling units not subject to NSPS or NESHAP quarterly visible emissions monitoring.

[District Rule 204, District Rule 401]

[40 CFR 70.6 (a)(3)(i)(B)]

15. Owner/Operator shall not burn any PUC quality natural gas fuel at this facility containing sulfur compounds in excess of 800 ppm calculated as hydrogen sulfide at standard conditions, or any diesel fuel having a sulfur content in excess of 0.5 percent by weight.

Compliance with District Rule 431 sulfur limit for PUC quality natural gas fuel shall be by the exclusive use of utility grade/pipeline quality natural gas. Records of natural gas supplier fuel quality/sulfur content limit shall be kept on-site for review by District, state or federal personnel at any time. Compliance with District Rule 431 sulfur limit for diesel fuel shall be determined by keeping records of the diesel fuel supplier's fuel analysis guarantee showing fuel sulfur content. The sulfur content of diesel fuel shall be determined by use of ASTM method D 2622-82, or (ASTM method D 2880-71, or equivalent).

[District Rule 431]

[40 CFR 70.6 (a)(3)(i)(B)]

16. Emissions of fugitive dust from any transport, handling, construction or storage activity at this facility shall not be visible in the atmosphere beyond the property line of the facility.  
[District Rule 403]
17. Owner/Operator shall comply with the applicable requirements of District Rule 403.2 unless an “Alternative PM<sub>10</sub> Control Plan” (ACP) pursuant to District Rule 403.2(G) has been approved. Construction/Demolition activities shall comply with a District approved Dust Control Plan.  
[District Rule 403.2]
18. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter except liquid sulfur compounds, in excess of the concentration at standard conditions, shown in District Rule 404, Table 404 (a).
  - (a) Where the volume discharged is between figures listed in the table, the exact concentration permitted to be discharged shall be determined by linear interpolation.
  - (b) This condition shall not apply to emissions resulting from the combustion of diesel or PUC quality natural gas fuels in steam generators or gas turbines.
  - (c) For the purposes of this condition, emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.[District Rule 404]
19. Owner/Operator shall not discharge into the atmosphere from any source at this facility, solid particulate matter including lead and lead compounds in excess of the rate shown in District Rule 405, Table 405(a).
  - (a) Where the process weight per hour is between figures listed in the table, the exact weight of permitted discharge shall be determined by linear interpolation.
  - (b) For the purposes of this condition emissions shall be averaged over one complete cycle of operation or one hour, whichever is the lesser time period.[District Rule 405]
20. Owner/Operator shall not discharge into the atmosphere, from any single source of emissions at this facility whatsoever, Sulfur compounds, which would exist as a liquid or gas at standard conditions, calculated as sulfur dioxide (SO<sub>2</sub>) greater than or equal to 500 ppm by volume.  
[District Rule 406]  
[40 CFR 70.6 (a)(3)(i)(B)]
21. Owner/Operator shall not discharge into the atmosphere from any source at this facility, carbon monoxide (CO) exceeding 2000 ppm measured on a dry basis, averaged over a minimum of 15 consecutive minutes.
  - (a) The provisions of this condition shall not apply to emissions from internal combustion engines.[District Rule 407]

22. Owner/Operator shall not build, erect, install or use any equipment at this facility, the use of which, without resulting in a reduction in the total release of air contaminants to the atmosphere, reduces or conceals an emission which would otherwise constitute a violation of Chapter 3 (commencing with Section 41700) of Part 4, of Division 26 of the Health and Safety Code or of District Rules.
- (a) This condition shall not apply to cases in which the only violation involved is of Section 41700 of the Health and Safety Code, or of District Rule 402.  
[District Rule 408]
23. Owner/Operator shall not discharge into the atmosphere from this facility from the burning of fuel, combustion contaminants exceeding 0.23 gram per cubic meter (0.1 grain per cubic foot) of gas calculated to 12 percent of carbon dioxide (CO<sub>2</sub>) at standard conditions averaged over a minimum of 25 consecutive minutes.  
[District Rule 409]
24. APCO in his/her discretion, may refrain from enforcement action against an Owner/Operator of any equipment which has violated a technology-based emission limitation, including but not limited to conditions contained in any permit issued by the District establishing such emission limitation, provided that a Breakdown has occurred per District Rule 430 and the facility has elected to provide immediate notification under District Rule 430, and:
- (a) Any breakdown which results in emissions exceeding a technology-based emission limitation is reported to the District within one hour of such breakdown or within one hour of the time a person knew or reasonably should have known of the occurrence of such breakdown; and
- (b) An estimate of the repair time is provided to the District as soon as possible after the report of the breakdown; and
- (c) All reasonable steps are immediately taken to minimize the levels of emissions and to correct the condition leading to the excess emissions.
- (d) The equipment is operated only until the end of a cycle or twenty-four (24) hours, whichever is sooner, at which time it shall be shut down for repairs unless a petition for an emergency variance has been filed with the clerk of the Hearing Board in accordance with Regulation V.
- (e) If the breakdown occurs outside normal District working hours the intent to file an emergency variance shall be transmitted to the District in a form and manner prescribed by the Air Pollution Control Officer.  
[District Rule 430]
25. Owner/Operator is limited to use of the following quality fuels for fuel types specified elsewhere in this permit: PUC quality natural gas fuel - sulfur compounds shall not exceed 800 parts per million (ppm) calculated as hydrogen sulfide at standard conditions; diesel fuel - sulfur content shall not exceed 0.5 percent by weight. Compliance with

District Rule 431 fuel sulfur limits is assumed for PUC quality natural gas fuel and CARB certified diesel fuel. Records shall be kept on-site and available for review by District, state, or federal personnel at any time. The sulfur content of non-CARB certified diesel fuel shall be determined by use of American Society for Testing and Materials (ASTM) method D 2622-82 or ASTM method D 2880-71, or equivalent.  
[District Rule 431]

26. The owner/operator of this facility shall meet the following emission and operating requirements:
- (a) Shall not discharge VOCs into the atmosphere from all VOC containing materials, Emissions Units, equipment or processes subject to District Rule 442, in excess of 540 kilograms (1,190 pounds) per month at this Facility.
    - (i) Compliance with the VOC limit above may be obtained through use of any of the following or any combination thereof:
      - a. Product reformulation or substitution;
      - b. Process changes;
      - c. Improvement of operational efficiency;
      - d. Development of innovative technology;
      - e. Operation of emission collection and control system that reduces overall emissions by eighty-five percent (85%).
  - (b) Shall not discharge into the atmosphere a non-VOC organic solvent in excess of 272 kilograms (600 pounds) per day as calculated on a thirty (30) day rolling average. For purposes of VOC quantification, discharge shall include a drying period of 12 hours following the application of such non-VOC solvents.
  - (c) The provisions of this condition shall not apply to:
    - (i) The manufacture, transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.
    - (ii) The emissions of VOCs from VOC-containing materials or equipment which are subject to District Regulation IV rules or which are exempt from air pollution control requirements by such rules.
    - (iii) The use of pesticides including insecticides, rodenticides or herbicides.
    - (iv) The use of 1,1,1 trichloroethane, methylene chloride and trichlorotrifluoroethane.
    - (v) Aerosol products.
    - (vi) VOC containing materials or equipment which is not subject to VOC limits of any rule found in District Regulation XI – Source Specific Standards.
  - (d) Owner/operator shall maintain daily usage records for all VOC-containing materials subject to this condition. The records shall be retained for five years and be made available upon request. VOC records shall include but not be limited to:
    - (i) The amount, type and VOC content of each solvent used; and
    - (ii) The method of application and substrate type; and
    - (iii) The permit units involved in the operation (if any).

- (e) Determination of VOC Content in Solvent-containing materials, Presence of VOC in Clean-up Materials, or Determination of Efficiency of Emission Control Systems must be made in accordance with methods and provisions of District Rule 442.

[District Rule 442]

27. Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of District Rule 1104 when engaged in wipe cleaning, cold solvent cleaning and/or vapor cleaning (degreasing) operations for metal/non-metal parts/products. These requirements are listed as follows:
- (a) All degreasers shall be equipped with a cover that reduces solvent evaporation and minimizes disturbing the vapor zone.
  - (b) A permanent, conspicuous label summarizing the applicable operating requirements contained in District Rule 1104. In lieu of a label, operating instructions may be posted near the degreaser where the operators can access the proper operating requirements of this rule.
  - (c) Cold Solvent Degreasers - Freeboard Requirements:
    - (i) Cold solvent degreasers using only low volatility solvents, which are not agitated, shall operate with a freeboard height of not less than 6 inches.
    - (ii) Cold solvent degreasers using only low volatility solvents may operate with a freeboard ratio equal to or greater than 0.50 when the cold solvent degreaser has a cover which remains closed during the cleaning operation.
    - (iii) Any cold solvent degreasers using solvent which is agitated, or heated above 50°C (120°F) shall operate with a freeboard ratio equal to or greater than 0.75.
    - (iv) A water cover may be used as an acceptable control method to meet the freeboard requirements, when the solvent is insoluble in water and has a specific gravity greater than 1.
  - (d) Cold Solvent Degreasers - Cover Requirements:
    - (i) Cold solvent degreasers using high volatility solvent shall have a cover that is a sliding, rolling or guillotine (bi-parting) type that is designed to easily open and close without disturbing the vapor zone.
  - (e) Cold Solvent Degreasers - Solvent Level Identification:
    - (i) A permanent, conspicuous mark locating the maximum allowable solvent level conforming to the applicable freeboard requirements.
  - (f) All Degreasers shall comply with the following operating requirements:
    - (i) Any solvent cleaning equipment and any emission control device shall be operated and maintained in strict accordance with the recommendations of the manufacturer.
    - (ii) Degreasers shall not be operating with any detectable solvent leaks.
    - (iii) All solvent, including waste solvent and waste solvent residues, shall be stored in closed containers at all times. All containers for any solvent(s) shall have a label indicating the name of the solvent/material they contain.

- (iv) Waste solvent and any residues shall be disposed of by one of the following methods: a commercial waste solvent reclamation service licensed by the State of California; or a federally or state licensed facility to treat, store or dispose of such waste; or the originating facility may recycle the waste solvent and materials in conformance with requirements of Section 25143.2 of the California Health and Safety Code.
  - (v) Degreasers shall be covered to prevent fugitive leaks of vapors, except when processing work or to perform maintenance.
  - (vi) Solvent carryout shall be minimized by the following methods:
    - a. Rack workload arranged to promote complete drainage
    - b. Limit the vertical speed of the power hoist to 3.3 meters per minute (11 ft/min) or less when such a hoist is used.
    - c. Retain the workload inside of the vapor zone until condensation ceases.
    - d. Tip out any pools of solvent remaining on the cleaned parts before removing them from the degreaser if the degreasers are operated manually.
    - e. Do not remove parts from the degreaser until the parts are visually dry and not dripping/leaking solvent. (This does not apply to an emulsion cleaner workload that is rinsed with water within the degreaser immediately after cleaning.)
  - (vii) The cleaning of porous or absorbent materials such as cloth, leather, wood or rope is prohibited.
  - (viii) Except for sealed chamber degreasers, all solvent agitation shall be by pump recirculation, a mixer, or ultrasonics.
  - (ix) The solvent spray system shall be used in a manner such that liquid solvent does not splash outside of the container. The solvent spray shall be a continuous stream, not atomized or shower type, unless, the spray is conducted in a totally enclosed space, separated from the environment.
  - (x) For those degreasers equipped with a water separator, no solvent shall be visually detectable in the water in the separator.
  - (xi) Wipe cleaning materials containing solvent shall be kept in closed containers at all times, except during use.
  - (xii) A degreaser shall be located so as to minimize drafts being directed across the cleaning equipment, the exposed solvent surface, or the top surface of the vapor blanket.
  - (xiii) A method for draining cleaned material, such as a drying rack suspended above the solvent and within the freeboard area, shall be used so that the drained solvent is returned to the degreaser or container.
- (g) District Rule 442 Applicability:  
Any solvent using operation or facility which is not subject to the source-specific District Rule 1104 shall comply with the provisions of District Rule 442. Any solvent using operation or facility which is exempt from all or a portion of the VOC

limits, equipment limits or the operational limits of District Rule 1104 shall be subject to the applicable provisions of District Rule 442.

- (h) Solvent Usage Records:  
Owner/Operator subject to District Rule 1104 or claiming any exemption under District Rule 1104, Section (E), shall comply with the following requirements:
- (i) Maintain and have available during an inspection, a current list of solvents in use at the facility which provides all of the data necessary to evaluate compliance, including the following information separately for each degreaser, as applicable:
    - a. Product name(s) used in the degreaser, and
    - b. The mix ratio of solvent compounds mixtures of solvents are used, and
    - c. VOC content of solvent or mixture of compounds as used, and
    - d. The total volume of the solvent(s) used for the facility, on a monthly basis, and
    - e. The name and total volume applied of wipe cleaning solvent(s) used, on a monthly basis.
  - (ii) Additionally, for any degreaser utilizing an add-on emission control device/system as a means of complying with provisions of District Rule 1104 shall, on a monthly basis, maintain records of key system operating and maintenance data. Such data is recorded for the purpose of demonstrating continuous compliance during periods of emission producing activities. The data shall be recorded in a manner as prescribed by the District.
  - (iii) Documentation shall be maintained on site of the disposal or on site recycling of any waste solvent or residues.
  - (iv) Records shall be retained (at facility) and available for inspection by District, state or federal personnel for the previous 5 year period as required by this Title V/Federal Operating Permit.

[District Rule 1104]

28. Owner/Operator's use of Architectural Coatings at this facility shall comply with the requirements of District Rule 1113, including the VOC limits specified in District Rule 1113, part C, as listed below:

Table 1  
VOC CONTENT LIMITS FOR ARCHITECTURAL COATINGS

Limits are expressed in grams of VOC per liter<sup>a</sup> of Coating thinned to the manufacturer's maximum recommendation, excluding the volume of any water, Exempt Compounds, or Colorant added to tint bases. "Manufacturer's maximum recommendation" means the maximum recommendation for thinning that is indicated on the label or lid of the Coating container.

<b>Coating Category</b>	<b>Effective, 01/01/2013</b>
<b>Primary Coatings</b>	
Flat Coatings	50
Nonflat Coatings	100
Nonflat-High Gloss Coatings	150
<b>Specialty Coatings</b>	
Aluminum Roof Coatings	400
Basement Specialty Coatings	400
Bituminous Roof Coatings	50
Bituminous Roof Primers	350
Bond Breakers	350
Concrete Curing Compounds	350
Concrete/Masonry Sealers	100
Driveway Sealers	50
Dry Fog Coatings	150
Faux Finishing Coatings	350
Fire Resistive Coatings	350
Floor Coatings	100
Form-Release Compounds	250
Graphic Arts Coatings (Sign Paints)	500
High Temperature Coatings	420
Industrial Maintenance Coatings	250
Low Solids Coatings	120 <sub>a</sub>
Magnesite Cement Coatings	450
Mastic Texture Coatings	100
Metallic Pigmented Coatings	500
Multi-Color Coatings	250
Pre-Treatment Wash Primers	420
Primers, Sealers, and Undercoaters	100
Reactive Penetrating Sealers	350
Recycled Coatings	250
Roof Coatings	50
Rust Preventative Coatings	250
Shellacs:	
Clear	730
Opaque	550
Specialty Primers, Sealers, and Undercoaters	100
Stains	250
Stone Consolidants	450
Swimming Pool Coatings	340

Traffic Marking Coatings	100
Tub and Tile Refinish Coatings	420
Waterproofing Membranes	250
Wood Coatings	275
Wood Preservatives	350
Zinc-Rich Primers	340

<sup>a</sup>: Limit is expressed as VOC Actual as discussed in Rule 1113(G)(1)(a)(ii)  
 [District Rule 1113]

29. Owner/Operator shall apply coatings to metal parts and products subject to the provisions of District Rule 1115 by using equipment properly operated according to manufacturer’s suggested guidelines using one or more of the following methods:

- (a) Electrostatic attraction.
- (b) High Volume Low Pressure (HVLP) spray equipment.
- (c) Dip coat.
- (d) Hand Application Methods.

[District Rule 1115]

30. Owner/Operator shall not apply to metal parts and products any coatings, including any VOC-containing materials added to the original coating supplied by the manufacturer, which contain VOC in excess of the limits specified below unless emissions to the atmosphere are controlled to an equivalent level by air pollution abatement equipment with a capture and control system Combined Efficiency of at least 85 percent:

**VOC CONTENT LIMITS FOR METAL PARTS AND PRODUCTS COATINGS**  
 (Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds)

<b>Coating</b>	<b>Air Dried g/L (lb/gal)</b>	<b>Baked g/L (lb/gal)</b>
General	420 (3.5)	360 (3.0)
Military Specification	420 (3.5)	360 (3.0)
Etching Filler	420 (3.5)	420 (3.5)
Solar-Absorbent	420 (3.5)	360 (3.0)
Heat-Resistant	420 (3.5)	360 (3.0)
High-Gloss	420 (3.5)	360 (3.0)
Extreme High-Gloss	420 (3.5)	360 (3.0)
Metallic	420 (3.5)	420 (3.5)
Extreme Performance	420 (3.5)	360 (3.0)
<i>Prefabricated Architectural</i>		
Component	420 (3.5)	275 (2.3)
Touch Up	420 (3.5)	360 (3.0)

Repair	420 (3.5)	360 (3.0)
Silicone-Release	420 (3.5)	420 (3.5)
<i>High Performance</i>		
Architectural	420 (3.5)	420 (3.5)
Camouflage	420 (3.5)	420 (3.5)
Vacuum-Metalizing	420 (3.5)	420 (3.5)
Mold-Seal	420 (3.5)	420 (3.5)
High-Temperature	420 (3.5)	420 (3.5)
Electric-Insulating Varnish	420 (3.5)	420 (3.5)
Pan-Backing	420 (3.5)	420 (3.5)
Pretreatment Wash Primer	420 (3.5)	420 (3.5)
Clear Coating	520 (4.3)	520 (4.3)

[District Rule 1115]

31. The provisions of Part II, Condition A.29 shall not apply to the application of touch-up coatings, repair coatings, textured coatings, metallic coatings which have a metallic content of more than 30 grams per liter, mold-seal coatings, and to facilities that use less than three gallons of such coatings per day, as applied, including any VOC-containing materials added to the original coatings as supplied by the manufacturer.

[District Rule 1115]

32. The provisions of Part II, Conditions A.29 and A.30 shall not apply to:
- (a) A facility which uses a total of less than one gallon of coating in any one day, including any VOC-containing materials added to the original coating as supplied by the manufacturer.
  - (b) Total noncompliant coating use per facility that does not exceed 55 gallons per year.
  - (c) Stencil coatings.
  - (d) Safety-indicating coatings.
  - (e) Magnetic data storage disk coatings.
  - (f) Solid-film lubricants.
  - (g) Adhesives.
  - (h) The coating of motor vehicle bodies at motor vehicle rework facilities.

[District Rule 1115]

33. Owner/Operator of any facility classified as exempt or claiming to be exempt under District Rule 1115, shall meet the record keeping requirements of District Rule 1115 so as to be able to certify the exemption status.

[District Rule 1115]

34. Owner/Operator of any coating, coating operation, or facility which is exempt from all or a portion of the VOC limits of District Rule 1115 shall comply with the provisions of District Rule 442 unless compliance with the limits specified in District Rule 1115 are achieved.

[District Rule 1115]

35. Owner/Operator shall comply with the following requirements when using solvent for surface preparation, cleanup, and paint removal, including paint spray equipment:
- (a) A person shall not use VOC-containing materials for Surface Preparation unless:
    - (i) VOC-containing materials for surface preparation shall not have a VOC content in excess of 200 grams of VOC per liter of material (1.67 pounds per gallon); or
    - (ii) VOC-containing materials has an initial boiling point of 190 deg C (374 deg F) or greater; or
    - (iii) VOC-containing materials has a total VOC vapor pressure of 20 mm Hg or less, at 20 deg C (68 deg F).
  - (b) Owner/Operator shall use closed, nonabsorbent containers for the storage or disposal of cloth or paper used for solvent surface preparation and cleanup.
  - (c) Owner/Operator shall store fresh or spent solvent in closed containers.
  - (d) Owner/Operator shall not use organic compounds for the cleanup of spray equipment including paint lines unless an enclosed system is used for cleanup. The system shall enclose spray guns, cups, nozzles, bowls, and other parts during washing, rinsing and draining procedures. Equipment used shall minimize the evaporation of organic compounds to the atmosphere.

[District Rule 1115]

36. Owner/Operator shall not specify the use in the District of any coating to be applied to any metal parts and products subject to the provisions of District Rule 1115 that does not meet the limits and requirements of District Rule 1115. This requirement applies to all written or oral contracts.

[District Rule 1115]

37. Owner/Operator subject to Part II, Section A, conditions A.29 through A.41 shall comply with the following requirements:
- (a) Owner/Operator shall maintain and have available during an inspection, a current list of coatings in use which provides all of the coating data necessary to evaluate compliance, including the following information, as applicable:
    - (i) coating, catalyst, and reducer used.
    - (ii) mix ratio of components used.
    - (iii) VOC content of coating as applied.
    - (iv) quantity of Group II exempt compounds used.
  - (b) Owner/Operator shall maintain records on a daily basis including:
    - (i) coating and mix ratio of components used in the coating; and
    - (ii) quantity of each coating applied.
  - (c) Owner/Operator shall maintain records on a daily basis showing the type and amount of solvent used for cleanup, surface preparation, and paint removal.
  - (d) Records shall be retained (at facility) and available for inspection by District, state or

federal personnel for the previous 5 year period as required by this Title V/Federal Operating Permit.

[District Rule 1115]

38. Owner/Operator shall obtain, and maintain records from the coating/ paint manufacturer regarding the VOC content of the coating/paint and any solvents contained therein.  
[District Rule 1115]
39. The Owner/Operator of any facility electing to engage in the mixing of coatings/paints or solvents shall be required to obtain and maintain an analysis of the mixture from an independent testing laboratory.  
[District Rule 1115]  
[40 CFR 70.6 (a)(3)(i)(B)]
40. A violation of the limits contained in Part II, Conditions A.29 through A.41 as determined by any one of Part II, Condition A.41 *Reference Method Tests* shall constitute a violation of applicable Part II conditions.  
[District Rule 1115]
41. The following specified *Reference Method Tests* shall be used to determine compliance with the provisions of Part II, Conditions A.28 through A.38, as required by District Rule 1115:
  - (a) The VOC content of coatings and solvents, as specified in subsections (C)(2) and (C)(4)(c)(i), shall be analyzed as prescribed by USEPA Reference Method 24 for VOC content (without correction for exempt compounds) and ASTM D4457-85, or CARB Method 432, for determination of emissions of exempt compounds. Perfluorocarbon compounds shall be assumed to be absent from a product or process unless a manufacturer or facility operator identifies the specific individual compounds (from the broad classes of perfluorocarbon compounds) and the amounts present in the product or process and provides a validated test method which can be used to quantify the specific compounds.
  - (b) Determination of the initial boiling point of liquid containing VOC, subject to subsection (C)(4)(c)(ii), shall be conducted in accordance with ASTM D1078-86.
  - (c) Calculation of total VOC vapor pressure for materials subject to subsection (C)(4)(c)(iii) shall be conducted in accordance with ASTM D2879-86. The fraction of water and exempt compounds in the liquid phase shall be determined by using ASTM D3792-91 and D4457-85 and shall be used to calculate the partial pressure of water and exempt compounds. The results of vapor pressure measurements obtained using ASTM D2879-86 shall be corrected for partial pressure of water and exempt compounds.
  - (d) Measurement of solvent losses from alternative application cleaning equipment subject to (C)(4)(b)(iii) shall be conducted in accordance with the South Coast Air Quality Management District's "General Test Method for Determining Solvent Losses from Spray Gun Cleaning Systems" (11/1/94).

- (e) Measurement of acid content of a substance shall be determined by ASTM D1613-85.
- (f) Measurement of metal content of coatings shall be determined in accordance with South Coast Air Quality Management District's "Laboratory Methods of Analysis for Enforcement Samples" manual, "Determination of Percent Metal in Metallic Coatings by Spectrographic Method, Method 311".
- (g) Capture Efficiency shall be determined according to USEPA's technical document, "Guidelines for Determining Capture Efficiency" (1/9/95).
- (h) The control efficiency of the Control Device shall be determined according to USEPA Test Methods 25, 25A or 25B for measuring the total gaseous organic concentrations at the inlet and outlet of the emissions Control Device, as contained in 40 CFR Part 60, Appendix A. USEPA Test Method 18 or CARB Method 422 shall be used to determine emissions of exempt compounds.
- (i) Measurement of solids content by weight of a substance shall be conducted in accordance with ASTM D1475-60.
- (j) Alternative test methods may be used upon obtaining the approval of the APCO, CARB and USEPA.
- (k) Demonstration of Transfer Efficiency of alternative application methods subject to District Rule 1115 subsection (C)(1)(a)(v) shall be conducted in accordance with South Coast Air Quality Management District's "Spray Equipment Transfer Efficiency Test Procedure for Equipment User" (5/24/89).

[District Rule 1115]

[40 CFR 70.6 (a)(3)(i)(B)]

42. Owner/Operator shall comply with all requirements of the District's Title V Program, MDAQMD Rules 1200 through 1210 (Regulation XII - Federal Operating Permits).  
[District Regulation XII]

**B. FACILITY-WIDE MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS:**

1. Any data and records generated and/or kept pursuant to the requirements in this Federal Operating Permit (Title V Permit) shall be kept current and on site for a minimum of five (5) years from the date generated. Any records, data or logs shall be supplied to District, state or federal personnel upon request.  
[District Rule 1203(D)(1)(d)(ii)]  
[40 CFR 70.6(a)(3)(ii)(B)]
2. Any Compliance/Performance testing required by this Federal Operating Permit shall follow the administrative procedures contained in the District's *Compliance Test Procedural Manual*. Any required annual Compliance and/or Performance Testing shall be accomplished by obtaining advance written approval from the District pursuant to the

District's *Compliance Test Procedural Manual*. All emission determinations shall be made as stipulated in the Written Test Protocol accepted by the District. When proposed testing involves the same procedures followed in prior District approved testing, then the previously approved Written Test Protocol may be used with District concurrence.  
[District Rule 204]

3. Owner/Operator of all permitted fuel burning units subject to Comprehensive Emissions Inventory Report/Annual Emissions Determinations for District, State, and Federal required Emission Inventories shall monitor and record the following for each unit:
  - (a) The cumulative annual usage of each fuel type. The cumulative annual usage of each fuel type shall be monitored from utility service meters, purchase or tank fill records.
  - (b) Fuel suppliers' fuel analysis certification/guarantee for each shipment or by contract term including fuel sulfur content shall be kept on site and available for inspection by District, state or federal personnel upon request. The sulfur content of diesel fuel shall be determined by use of ASTM method D2622-82, or (ASTM method D 2880-71, or equivalent). Vendor data meeting this requirement is sufficient.

[District Rule 204]

[California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq.]

[40 CFR 70.6(a)(3)(B)]

[Federal Clean Air Act: §110(a)(2)(F, K & J); §112; §172(c)(3); §182(a)(3)(A & B); §187(a)(5); § 301(a)]

4. Owner/Operator shall submit, annually, a *Compliance Certification* as prescribed by District Rule 1203(F)(1) and District Rule 1208 to the APCO/District, with a copy to the USEPA, Region IX Administrator. The *Compliance Certification*, submitted by a Responsible Official, shall certify the truth, accuracy and completeness of the document submitted and contain a statement to the effect that the certification is based upon information and belief, formed after a reasonable inquiry that the statements and information in the document are true, accurate, and complete.

[District Rule 1203(D)(1)(g)(v-x); District Rule 1203(F)(1); District Rule 1208]

[40 CFR 72.90.a; 40 CFR 70.6(c)(5)(i)]

- (a) Owner/Operator shall include in any *Compliance Certification* the methods used for monitoring such compliance.

[District Rule 1203(D)(1)(g)(viii)]

[40 CFR 70.6(c)(5)(ii)]

- (b) Owner/Operator, when submitting any *Compliance Certification(s)* to the District, shall contemporaneously submit such *Compliance Certification(s)* to USEPA Region IX Administrator.

[District Rule 1203(D)(g)(ix)]

[40 CFR 70.6(5)(iii)]

- (c) Owner/Operator shall comply with any additional certification requirements as

specified in 42 U.S.C §7414(a)(3), Recordkeeping, Inspections, Monitoring and Entry (Federal Clean Air Act §114(a)(3)) and 42 U.S.C. §7661c(b), Permit Requirements and Conditions (Federal Clean Air Act §503(b)), or in regulations promulgated hereunder.

[District Rule 1203 (D)(1)(g)(x)]

- (d) The annual certification period is January 1<sup>st</sup> through December 31<sup>st</sup> and shall be submitted no later than January 31<sup>st</sup> of each year.

- 5. Owner/Operator shall submit, semi-annually, a *Monitoring Report* to the APCO/District, with a copy to the USEPA, Region IX Administrator. This *Monitoring Report* shall be certified to be true, accurate, and complete by a Responsible Official and shall include the following information and/or data:

- (a) Summary of deviations from any federally-enforceable requirement in this permit.
- (b) Summary of all emissions monitoring and analysis methods required by any Applicable Requirement / federally - enforceable requirement.
- (c) Summary of all periodic monitoring, testing or record keeping (including test methods sufficient to yield reliable data) specified in this permit to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.

- (d) The semi-annual reporting period shall be submitted as follows:

- (i) July 1<sup>st</sup> through December 31<sup>st</sup>, due no later than January 31<sup>st</sup> of each year; and,
- (ii) January 1<sup>st</sup> through June 30<sup>th</sup>, due no later than July 31<sup>st</sup> of each year.

[District Rule 1203(D)(1)(c)(i - iii); District Rule 1203(D)(1)(d)(i); District Rule 1203(D)(1)(e)(i - ii); District Rule 1203(D)(1)(g)(v - x)]

- 6. Owner/Operator shall promptly report all deviations from federal operating permit requirements including, but not limited to; any emissions in excess of permit conditions, deviations attributable to breakdown conditions, and any other deviations from permit conditions. Such reports shall include the probable cause of the deviation and any corrective action or preventative measures taken as a result of the deviation.

[District Rule 1203(D)(1)(e)(ii)]

Prompt reporting shall be determined as follows:

- (a) For deviations involving emissions of air contaminants in excess of permit conditions including those caused by a breakdown, a facility may elect to provide immediate notification under District Rule 430, if the District Rule 430 provisions apply. However, in case of deviations involving emissions of air contaminants in excess of permit conditions, if the facility does not qualify for District Rule 430 immediate notification or does not elect to perform immediate notification under District Rule 430, then prompt reporting shall be within 72 hours of the occurrence of the excess emission or within 72 hours of the time a person knew or reasonably should have known of the excess emission. Documentation and other relevant evidence regarding the excess emission shall be submitted to the District

within sixty (60) days of the date the excess emission was reported to the District.  
[40 CFR 70.6(g)]

- (b) For other deviations from permit conditions not involving excess emissions of air contaminants shall be submitted to the District with the required *Monitoring Reports* at least every six (6) months.

[District Rule 1203(D)(1)(e)(i)]

- 7. If any facility unit(s) should be determined not to be in compliance with any federally-enforceable requirement during the 5-year permit term, then owner/operator shall submit a *Schedule of Compliance*. In addition, the Owner/Operator shall submit a *Progress Report* on the implementation of the *Schedule of Compliance*. The *Schedule of Compliance* shall contain the information outlined in (b), below. The *Progress Report* shall contain the information outlined in (c), below. The *Schedule of Compliance* shall become a part of this Federal Operating Permit by administrative incorporation. The *Progress Report* and *Schedule of Compliance* shall comply with District Rule 1201(I)(3)(iii) and shall include:

- (a) A narrative description of how the facility will achieve compliance with such requirements; and
- (b) A *Schedule of Compliance* which contains a list of remedial measures to be taken for the facility to come into compliance with such requirements, an enforceable sequence of actions, with milestones, leading to compliance with such requirements and provisions for the submission of *Progress Reports* at least every six (6) months. The *Schedule of Compliance* shall include any judicial order or administrative order relating to any Applicable Requirements/federally-enforceable requirements that is issued by any appropriate judicial body or by the District Hearing Board pursuant to the provisions of Health & Safety Code §42350 et seq.; and
- (c) *Progress Reports* submitted under the provisions of a *Schedule of Compliance* shall include: Dates for achieving the activities, milestone, or compliance required in the schedule of compliance; and dates when such activities, milestones or compliance were achieved; and an explanation of why any dates in the schedule of compliance were not or will not be met; and any preventive or corrective measures adopted due to the failure to meet dates in the schedule of compliance.

[District Rule 1201 (I)(3)(iii); District Rule 1203 (D)(1)(g)(v)]

- 8. 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, annually and upon District request.

[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

**C. FACILITY-WIDE COMPLIANCE CONDITIONS:**

1. Owner/Operator shall allow an authorized representative of the MDAQMD to enter upon the permit holder's premises at reasonable times, with or without notice.  
[40 CFR 70.6(c)(2)(i); Rule 1203(D)(1)(g)(i)]
2. Owner/Operator shall allow an authorized representative of the MDAQMD to have access to and copy any records that must be kept under condition(s) of this Federal Operating Permit.  
[40 CFR 70.6(c)(2)(ii); Rule 1203(D)(1)(g)(ii)]
3. Owner/Operator shall allow an authorized representative of the MDAQMD to inspect any equipment, practice or operation contained in or required under this Federal Operating Permit.  
[40 CFR 70.6(c)(2)(iii); Rule 1203(D)(1)(g)(iii)]
4. Owner/Operator shall allow an authorized representative of the MDAQMD to sample and/or otherwise monitor substances or parameters for the purpose of assuring compliance with this Federal Operating Permit or with any Applicable Requirement.  
[40 CFR 70.6(c)(2)(iv); Rule 1203(D)(1)(g)(iv)]
5. Owner/Operator shall remain in compliance with all Applicable Requirements / federally enforceable requirements by complying with all compliance, monitoring, record-keeping, reporting, testing, and other operational conditions contained in this Federal Operating Permit. Any noncompliance constitutes a violation of the Federal Clean Air Act and is grounds for enforcement action; the termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal application.  
[Rule 1203 (D)(1)(f)(ii)]
6. Owner/Operator shall comply in a timely manner with all applicable requirements / federally - enforceable requirements that become effective during the term of this permit.  
[Rule 1201(I)(2); Rule 1203(D)(1)(g)(v)]
7. Owner/Operator shall insure that all applicable subject processes comply with the provisions of 40 CFR 61, *National Emission Standards for Hazardous Air Pollutants*, subpart A, *General Provisions*, and subpart M, *Asbestos*.  
[40 CFR 61, subparts A and M]
8. Owner/Operator shall notify the APCO/District at least 10 working days before any applicable asbestos stripping or removal work is to be performed as required by section 61.145(b)(3)(i) of 40 CFR 61 subpart M, *National Emission Standard for Asbestos*.  
[40 CFR 61.145(b)]

9. Owner/Operator shall notify the APCO/District, on an annual basis, postmarked by December 17 of each calendar year, of the predicted asbestos renovations for the following calendar year as required by section 61.145.b of 40 CFR 61, subpart M [see cite for threshold triggering and applicability].  
[40 CFR 61.145(b)]
  
10. Owner/Operator shall comply with all requirements of District Rule 1211 - Greenhouse Gas Provisions of Federal Operating Permits. Specifically, the Owner/Operator shall include Greenhouse Gas (GHG) emission data and all applicable GHG requirements with any application, as specified in 1211(D)(1), for a Federal Operating Permit.  
[District Rule 1211]

**PART III**  
**EQUIPMENT SPECIFIC APPLICABLE REQUIREMENTS;**  
**EMISSIONS LIMITATIONS; MONITORING, RECORDKEEPING,**  
**REPORTING AND TESTING REQUIREMENTS; COMPLIANCE**  
**CONDITIONS**

**A. PROCESS 1: TANKER TRUCK LOADING**

*Conditions Applicable to Tanker Loading Systems B000105 and B000728:*

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 Rules 204 and 1303]
2. This loading system must be vented to the fully functional and properly operating air pollution control equipment operating under valid District Permit C000106.  
[District Rules 1303 and 1320]
3. [For B000105 Only] The combined total volume of petroleum products transferred to cargo tanks from both this system and the system described in District Permit B000728 shall not exceed 1,000,000 gallons per day.  
[District Rule 1303]
3. [For B000728 Only] The combined total volume of petroleum products transferred to cargo tanks from both this system and the system described in District Permit B000105 shall not exceed 1,000,000 gallons per day.  
[District Rule 1303]
4. [For B000105 Only] The combined total volume of product transferred to cargo tanks from both this system and the system described in District Permit B000728 shall not exceed 72,000 gallons per hour.  
[District Rule 1303]
4. [For B000728 Only] The combined total volume of product transferred to cargo tanks from both this system and the system described in District Permit B000105 shall not exceed 72,000 gallons per hour.  
[District Rule 1303]
5. A non-resettable meter, either mechanical or digital, shall be installed to indicate hourly and daily loading, in gallons.  
[District Rule 1303]

6. Gasoline shall only be loaded into tanker truck cargo tanks that are vapor tight as specified in 40 CFR 60.502(e) through (j).  
[40 CFR 60.502, 40 CFR 63.11088]
7. Each open-ended line that has the potential to emit vapors shall be sealed with a second valve, a blind flange, a cap or a plug when not in use.  
[District Rule 1102(C)(2)]
8. A pressure gauge shall be installed in the vapor return line and the pressure at this point shall not exceed eighteen (18) inches of water during cargo tank loading.  
[ARB CP-203, District Rules 1303 and 1320]
9. The owner/operator shall maintain a log of all inspections, repairs, and maintenance on this equipment current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request.  
[40 CFR 63.10(b)]
10. The owner/operator shall maintain a throughput log for each day's operations (from midnight to midnight) which shall include, as 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. Product Name and CAS Number;
  - b. Amount transferred, in gallons;
  - c. Monthly totals of each product transferred;
  - d. Running 12 consecutive month totals of each product transferred; and
  - e. Maximum vapor return line gauge pressure during cargo tank loading, in inches of water.[40 CFR 70.6(a)(3)(ii)(b), District Rule 462]
11. A person shall not sell or supply for use within the District as a fuel for motor vehicles as defined by the Vehicle Code of the State of California, gasoline having a degree of unsaturation greater than that indicated by a Bromine Number of 30 as determined by ASTM Method D1159-66.  
[District Rule 432]
12. Any component found leaking shall be repaired to a leak-free condition within fifteen (15) days of detection unless otherwise allowed by District Rule 1102. Furthermore, the date each leak was detected, the date the leak was repaired, and the repair actions taken shall be logged as required in Condition #6 above.  
[District Rule 1102, 40 CFR 63.10(b)]
13. 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, annually and upon District request.  
[District Rule 107(b), H&S Code 39607 & 44341-44342, and 40 CFR 51, Subpart A]

**B. PROCESS 2: ETHANOL TANKER TRUCK UNLOADING**

***Conditions Applicable to Ethanol Tanker Unloading System B008639:***

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 Rules 204 and 1303]
2. This unloading system shall only transfer denatured ethanol to the organic liquid storage tank operating under valid District Permit T000096 (Tank 330).  
[District Rules 462 and 1303]
3. The owner/operator shall maintain a log of all inspections, repairs, and maintenance on this equipment current and on-site (or at a central location) for a minimum of five (5) years, and this log shall be provided to District, State and Federal personnel upon request. The log shall contain, as a minimum, the following requirements from District Rule 1102:
  - a. Inspection Requirements in accordance with District Rule 1102(D);
  - b. Repair Requirements in accordance with District Rule 1102(E); and
  - c. Recordkeeping and Reporting Requirements in accordance with District Rule 1102(G)(1).[40 CFR 70.6(a)(3)(ii)(b), District Rules 462 and 1102]
4. Test methods for compliance verification shall be in accordance with District Rule 1102(H).  
[District Rule 1102]
5. The vapor balance line shall be connected to the tanker truck during all offloading operations.  
[District Rules 1303 and 1320]

**C. PROCESS 3: GASOLINE VAPOR CONTROL SYSTEM**

***Conditions Applicable to Gasoline Vapor Control System C000106:***

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 000728 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]
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]
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) which shall include, as 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 maintenance or 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.[40 CFR 63.11092, 40 CFR 63.11094, 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 cable 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 Combustions 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 Rule 461]  
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%

#### **D. PROCESS 4: PRODUCT STORAGE AND TRANSFER**

***Conditions Applicable to the Floating Roof Storage Tanks T000096, T000097, T000098, T000099, T000100, T000101, T000723, and T000724:***

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. The maximum True Vapor Pressure (TVP) of organic liquids stored in this tank shall not exceed 11.0 psia (75.9 kPa) under storage conditions.

[40 CFR 60.112b, Rule 463(C)(1)(a)(viii)]

3. The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible.  
[40 CFR 60.112b]
4. The accumulated area of gaps between the tank wall and the primary seal shall not exceed 212 square centimeters per meter (10 square inches per foot) of tank diameter, and the width of any portion of any gap shall not exceed 3.81 centimeters (1.5 inches).  
[40 CFR 60.113b]
5. The accumulated area of gaps between the tank wall and the secondary seal shall not exceed 21.2 square centimeters per meter (1.0 square inch per foot) of tank diameter, and the width of any portion of any gap shall not exceed 1.27 centimeters (0.5 inches).  
[40 CFR 60.113b]
6. Measurements of gaps between the tank wall and the primary seal shall be performed during hydrostatic testing of the tank, within 60 days of an initial fill of the tank, and at least once every five (5) years thereafter.  
[40 CFR 60.113b]
7. Measurements of gaps between the tank wall and the secondary seal shall be performed within 60 days of an initial fill of the tank, and at least once per year thereafter.  
[40 CFR 60.113b]
8. All gauge hatches, roof supports, manholes, automatic bleeder vents, rim vents and gauge wells shall be equipped with vapor-tight seals or breather vents set at no less than 10% of the maximum allowable working pressure of the roof.  
[Rule 463]
9. All openings in the tank roof shall be equipped with a projection, which extends below the liquid surface.  
[Rule 463]
10. Roof drains shall be equipped with slotted membrane fabric cover, or equivalent, which covers at least 90% of the drain area.  
[Rule 463]
11. The owner/operator shall maintain an operations log for each day's operations (from midnight to midnight) which shall include, as 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. The aggregated total amount of petroleum products transferred from the supplying pipelines and tanker trucks into all storage tanks combined, by product type and CAS, in gallons;
  - b. Average volume of petroleum products stored onsite;
  - c. Storage and transfer temperatures of petroleum products, in degrees Fahrenheit;
  - d. Monthly summary of incoming and outgoing petroleum product throughput, in gallons;
  - e. Running consecutive twelve (12) month summary of incoming and outgoing petroleum product throughput, in gallons;
  - f. Records of all primary and secondary seal inspections;
  - g. Records of all maintenance or repairs to the tank and to the primary and secondary seals, including the dates and times any temporary vapor control equipment was employed, including mobile degassing equipment;
  - h. Records of all tank emptyings and refillings; and
  - i. Records of the occurrence and duration of each malfunction of operation and what corrective actions were taken to minimize emissions.
- [40 CFR 70.6(a)(3)(ii)(b), District Rule 463]

***Conditions Applicable to the Cone Roof / Floating Pan Storage Tank T000102 and the Cone Roof Storage Tank T000104:***

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. The maximum True Vapor Pressure (TVP) of organic liquids stored in this tank shall not exceed 0.75 psi (5.2 kPa) under actual storage conditions.  
[40 CFR 60.112b, Rule 463(C)(1)]
3. The owner/operator shall maintain an operations log for each day's operations (from midnight to midnight) which shall include, as 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. The aggregated total amount of petroleum products transferred from the supplying pipelines and tanker trucks into all storage tanks combined, by product type and CAS, in gallons;
  - b. Average volume of petroleum products stored onsite;
  - c. Storage and transfer temperatures of petroleum products, in degrees Fahrenheit;
  - d. Monthly summary of incoming and outgoing petroleum product throughput, in gallons;
  - e. Running consecutive twelve (12) month summary of incoming and outgoing petroleum product throughput, in gallons;

- f. Records of all inspections;
  - g. Records of all maintenance and repair procedures;
  - h. Records of all tank emptyings and refillings; and
  - i. Records of the occurrence and duration of each malfunction of operation and what corrective actions were taken to minimize emissions.
- [40 CFR 70.6(a)(3)(ii)(b), District Rule 463]

***Conditions Applicable to Cone Roof / Internal Floating Pan Storage Tanks T000103 and T000725:***

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. The maximum True Vapor Pressure (TVP) of organic liquids stored in this tank shall not exceed 11.0 psia (75.9 kPa) under storage conditions.  
[40 CFR 60.112b, Rule 463(C)(1)(a)(viii)]
3. The roof shall be floating on the liquid at all times (i.e., off the roof leg supports) except during initial fill until the roof is lifted off leg supports and when the tank is completely emptied and subsequently refilled. The process of filling, emptying, or refilling when the roof is resting on the leg supports shall be continuous and shall be accomplished as rapidly as possible.  
[40 CFR 60.112b]
4. The accumulated area of gaps between the tank wall and the primary seal shall not exceed 212 square centimeters per meter (10 square inches per foot) of tank diameter, and the width of any portion of any gap shall not exceed 3.81 centimeters (1.5 inches).  
[40 CFR 60.113b]
5. The accumulated area of gaps between the tank wall and the secondary seal shall not exceed 21.2 square centimeters per meter (1.0 square inch per foot) of tank diameter, and the width of any portion of any gap shall not exceed 1.27 centimeters (0.5 inches).  
[40 CFR 60.113b]
6. The concentration of volatile organic compounds in the vapor space above the internal floating roof shall be measured by an explosimeter at least once in every twelve month period. The readings shall not exceed thirty (30) percent of the lower explosive limit (LEL) and results of all such tests shall be made available to District, State, and Federal personnel upon request.  
[District Rule 463(C)(1)(b)]
7. Visual Inspections of the secondary seal shall be performed at least once in every six

month period and results of all such tests shall be made available to District, State, and Federal personnel upon request.

[District Rule 463(C)(1)(b)]

8. All gauge hatches, roof supports, manholes, automatic bleeder vents, rim vents and gauge wells shall be equipped with vapor-tight seals or breather vents set at no less than 10% of the maximum allowable working pressure of the roof.  
[Rule 463]
9. All openings in the tank roof shall be equipped with a projection, which extends below the liquid surface.  
[Rule 463]
10. Roof drains shall be equipped with slotted membrane fabric cover, or equivalent, which covers at least 90% of the drain area.  
[Rule 463]
11. The owner/operator shall maintain an operations log for each day's operations (from midnight to midnight) which shall include, as 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. The aggregated total amount of petroleum products transferred from the supplying pipelines and tanker trucks into all storage tanks combined, by product type and CAS, in gallons;
  - b. Average volume of petroleum products stored onsite;
  - c. Storage and transfer temperatures of petroleum products, in degrees Fahrenheit;
  - d. Monthly summary of incoming and outgoing petroleum product throughput, in gallons;
  - e. Running consecutive twelve (12) month summary of incoming and outgoing petroleum product throughput, in gallons;
  - f. Records of all primary and secondary seal inspections;
  - g. Records of all maintenance or repairs to the tank and to the primary and secondary seals, including the dates and times any temporary vapor control equipment was employed, such as mobile degassing equipment;
  - h. Records of all tank emptyings and refillings; and
  - i. Records of the occurrence and duration of each malfunction of operation and what corrective actions were taken to minimize emissions.[40 CFR 70.6(a)(3)(ii)(b), District Rule 463]

***Conditions Applicable to Fixed Roof Storage Tank T000726:***

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. The maximum True Vapor Pressure (TVP) of organic liquids stored in this tank shall not exceed 11.0 psia (75.9 kPa) under storage conditions.  
[40 CFR 60.112b, Rule 463(C)(1)(a)(viii)]
3. This storage tank must be vented to the fully functional and properly operating air pollution control equipment operating under valid District Permit C000106.  
[District Rules 1303 and 1320]
4. The owner/operator shall maintain an operations log for each day's operations (from midnight to midnight) which shall include, as 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. The aggregated total amount of petroleum products transferred from the supplying pipelines and tanker trucks into all storage tanks combined, by product type and CAS, in gallons;
  - b. Average volume of petroleum products stored onsite;
  - c. Storage and transfer temperatures of petroleum products, in degrees Fahrenheit;
  - d. Monthly summary of incoming and outgoing petroleum product throughput, in gallons;
  - e. Running consecutive twelve (12) month summary of incoming and outgoing petroleum product throughput, in gallons;
  - f. Records of all maintenance or repairs to the tank;
  - g. Records of all tank emptyings and refillings; and
  - h. Records of the occurrence and duration of each malfunction of operation and what corrective actions were taken to minimize emissions.[40 CFR 70.6(a)(3)(ii)(b), District Rule 463]

***Conditions Applicable to Fixed Roof Storage Tank T000727:***

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. The maximum True Vapor Pressure (TVP) of organic liquids stored in this tank shall not exceed 4.0 psia (27.6 kPa) under storage conditions.  
[40 CFR 60.112b]
3. This storage tank's conservation-type vent must be fully functional and properly operating whenever organic liquids are being stored.

[District Rules 1303 and 1320]

4. The owner/operator shall maintain an operations log for each day's operations (from midnight to midnight) which shall include, as 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. The aggregated total amount of petroleum products transferred from the supplying pipelines and tanker trucks into all storage tanks combined, by product type and CAS, in gallons;
    - b. Average volume of petroleum products stored onsite;
    - c. Storage and transfer temperatures of petroleum products, in degrees Fahrenheit;
    - d. Monthly summary of incoming and outgoing petroleum product throughput, in gallons;
    - e. Running consecutive twelve (12) month summary of incoming and outgoing petroleum product throughput, in gallons;
    - f. Records of all maintenance or repairs to the tank;
    - g. Records of all tank emptyings and refillings; and
    - h. Records of the occurrence and duration of each malfunction of operation and what corrective actions were taken to minimize emissions.
- [40 CFR 70.6(a)(3)(ii)(b), District Rule 463]

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PART IV  
STANDARD FEDERAL OPERATING PERMIT CONDITIONS

**A. STANDARD CONDITIONS:**

1. If any portion of this Federal Operating Permit is found to be invalid by the final decision of a court of competent jurisdiction the remaining portion(s) of this Federal Operating Permit shall not be affected thereby.  
[District Rule 1203(D)(1)(f)(i)]  
[40 CFR 70.6(a)(5)]
2. Owner/Operator shall comply with all condition(s) contained herein. Noncompliance with any condition(s) contained herein constitutes a violation of the Federal Clean Air Act and of MDAQMD Regulation XII and is grounds for enforcement action; termination, revocation and re-issuance, or modification of this Federal Operating Permit; and/or grounds for denial of a renewal of this Federal Operating Permit.  
[District Rule 1203(D)(1)(f)(ii)]  
[40 CFR 70.6(a)(6)(i)]
3. It shall not be a defense in an enforcement action brought for violation(s) of condition(s) contained in this Federal Operating Permit that it would have been necessary to halt or reduce activity to maintain compliance with those condition(s).  
[District Rule 1203(D)(1)(f)(iii)]  
[40 CFR 70.6(a)(6)(ii)]
4. This Federal Operating Permit may be modified, revoked, reopened or terminated for cause.  
[District Rule 1203(D)(1)(f)(iv)]  
[40 CFR 70.6(a)(6)(iii)]
5. The filing of an application for modification; a request for revocation and re-issuance; a request for termination; notifications of planned changes; or anticipated noncompliance with condition(s) does not stay any condition contained in this Federal Operating Permit.  
[District Rule 1203(D)(1)(f)(v)]  
[40 CFR 70.6(a)(6)(iii)]
6. The issuance of this Federal Operating Permit does not convey any property rights of any sort nor does it convey any exclusive privilege.  
[District Rule 1203(D)(1)(f)(vi)]  
[40 CFR 70.6(a)(6)(iv)]
7. Owner/Operator shall furnish to the MDAQMD, within a reasonable time as specified by the MDAQMD, any information that the MDAQMD may request in writing.  
[District Rule 1203(D)(1)(f)(vii)]  
[40 CFR 70.6(a)(6)(v)]
8. Owner/Operator shall furnish to District, state or federal personnel, upon request, copies

of any records required to be kept pursuant to condition(s) of this Federal Operating Permit.

[District Rule 1203(D)(1)(f)(viii)]  
[40 CFR 70.6(a)(6)(v)]

9. Any records required to be generated and/or kept by any portion of this Federal Operating Permit shall be retained by the facility Owner/Operator for at least five (5) years from the date the records were created.  
[District Rule 1203(D)(1)(d)(ii)]  
[40 CFR 70.6(a)(3)(ii)(B)]
10. Owner/Operator shall pay all applicable fees as specified in MDAQMD Regulation III, including those fees related to permits as set forth in District Rules 301 and 312.  
[District Rule 1203(D)(1)(f)(ix)]  
[40 CFR 70.6(a)(7)]
11. Owner/Operator shall not be required to revise this permit for approved economic incentives, marketable permits, emissions trading or other similar programs provided for in this permit.  
[District Rule 1203(D)(1)(f)(x)]  
[40 CFR 70.6(a)(8)]
12. Compliance with condition(s) contained in this Federal Operating Permit shall be deemed compliance with the Applicable Requirement underlying such condition(s). The District clarifies that “only” Applicable Requirements listed & identified elsewhere in this Title V Permit are covered by this Permit Shield and does not extend to any unlisted/unidentified conditions pursuant to the requirements of 40 CFR 70.6(f)(1)(i).  
[District Rule 1203(G)(1)]  
[40 CFR 70.6(f)(1)(i)]
13. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the emergency powers of USEPA as set forth in 42 U.S.C. §7603.  
[District Rule 1203(G)(3)(a)]  
[40 CFR 70.6(f)(3)(i)]
14. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit liability for violations which occurred prior to the issuance of this Federal Operating Permit.  
[District Rule 1203(G)(3)(b)]  
[40 CFR 70.6(f)(3)(ii)]
15. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to alter any Applicable Requirement Contained in the Acid Rain Program.  
[District Rule 1203(G)(3)(c)]  
[40 CFR 70.6(f)(3)(iii)]
16. The Permit Shield set forth in Part VI, as discussed in condition 12 of Part IV, shall not

be construed to limit the ability of USEPA or the MDAQMD to obtain information pursuant to Health and Safety Code Sections 42303 or 42705, or 42 U.S.C. §7414 or any other applicable provision of the State or Federal law.

[District Rule 1203(G)(3)(d)]

[40 CFR 70.6(f)(3)(iv)]

17. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to emissions trading pursuant to provisions contained in an applicable State Implementation Plan.  
[District Rule 1203(G)(3)(e)]  
[40 CFR 70.4(b)(12)(ii)(B)]
18. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to apply to changes made which are not expressly allowed by this Federal Operating Permit.  
[District Rule 1203(G)(3)(f)]  
[40 CFR 70.4(b)(14)(iii)]
19. The Permit Shield set forth in Part IV, condition 12, shall not be construed to apply to changes made pursuant to the Significant Permit Modification provisions until such changes are included in this Federal Operating Permit.  
[District Rule 1203 (G)(3)(g)]  
[40 CFR 70.5(a)(1)(ii), 70.7(e)(2)(vi)]
20. If Owner/Operator performs maintenance on, or services, repairs, or disposes of appliances, Owner/Operator shall comply with the standards for Recycling and Emissions Reduction pursuant to 40 CFR Part 82, Subpart F. These requirements are Federally Enforceable through this Title V Permit.  
[40 CFR Part 82, Subpart F]
21. If Owner/Operator performs service on motor vehicles when this service involves the ozone-depleting refrigerant in the motor vehicle air conditioner (MVAC), Owner/Operator shall comply with the standards for Servicing of Motor Vehicle Air Conditioners pursuant to all the applicable requirements as specified in 40 CFR Part 82, Subpart B. These requirements are Federally Enforceable through this Title V Permit.  
[40 CFR Part 82, Subpart B]
22. Notwithstanding the testing requirements contained elsewhere in this Title V Permit, any credible evidence may be used to establish violations, including but not limited to; reference test methods, engineering calculations, indirect estimates of emissions, CEMS data, and parametric monitoring data. Data need not be required to be collected in a Title V permit in order to be considered credible.  
[Section 113(a) of the Clean Air Act]

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## PART V OPERATIONAL FLEXIBILITY

### A. OFF PERMIT CHANGES:

1. Permittee may make a proposed change to equipment covered by this permit that is not expressly allowed or prohibited by this permit if:
  - (a) Permittee has applied for and obtained all permits and approvals required by MDAQMD Regulation II and Regulation XII unless the equipment involved in the change is exempt from obtaining such permits and approvals pursuant to the provisions of District Rule 219; and
    - (i) The proposed change is not:
      - a. Subject to any requirements under Title IV of the Federal Clean Air Act; or *[See District Rule 1203(E)(1)(c)(i)d.]*
      - b. A modification under Title I of the Federal Clean Air Act; or
      - c. A modification subject to Regulation XIII; and *[See District Rule 1203(E)(1)(c)(i) d.]*
      - d. The change does not violate any Federal, State or Local requirement, including an applicable requirement; and *[See District Rule 1203(E)(1)(c)(i)c.]*
      - e. The change does not result in the exceedance of the emissions allowable under this permit (whether expressed as an emissions rate or in terms of total emissions). *[See District Rule 1203(E)(1)(c)(i)e.]*
2. Procedure for “Off Permit” Changes
  - (a) If a proposed “Off Permit Change” qualifies under Part V, Section (B)(I)(A)(1) above, permittee shall implement the change as follows:
    - (i) Permittee shall apply for an Authority To Construct permit pursuant to the provisions of District Regulation II. *[See District Rule 1203(E)(1)(c)(i)b.]*
    - (ii) In addition to the information required pursuant to the provisions of Regulation II and Regulation XIII such application shall include:
      - a. A notification that this application is also an application for an “Off Permit” Change pursuant to this condition; and *[See District Rule 1203(E)(1)(c)(i)b.]*
      - b. A list of any new Applicable Requirements which would apply as a result of the change; and *[See District Rule 1203(E)(1)(c)(i)b.]*
      - c. A list of any existing Applicable Requirements, which would cease to apply as a result of the change. *[See District Rule 1203(E)(1)(c)(i)c.]*
    - (iii) Permittee shall forward a copy of the application and notification to USEPA upon submitting it to the District. *[See District Rule*

*1203(E)(1)(c)(i)a.]*

- (b) Permittee may make the proposed change upon receipt from the District of the Authority to Construct Permit or thirty (30) days after forwarding the copy of the notice and application to USEPA whichever occurs later. *[See District Rule 1203(E)(1)(c)(i)a. and g.]*
  - (c) Permittee shall attach a copy of the Authority to Construct Permit and any subsequent Permit to Operate, which evidences the Off Permit Change to this Title V permit. *[See 1203(E)(1)(c)(i)f.]*
  - (d) Permittee shall include each Off-Permit Change made during the term of the permit in any renewal application submitted pursuant to Rule 1202(B)(3)(b). *[See District Rule 1203(E)(1)(c)(i)f.]*
3. Other Requirements:
- (a) The provisions of District Rule 1205 – Modifications do not apply to an Off Permit Change made pursuant to this condition.
  - (b) The provisions of Rule 1203(G) – Permit Shield do not apply to an Off Permit Change made pursuant to this condition. *[See 40 CFR 70.4(b)(i)(B)]* [District Rule 1203(E)(1)(c)]

**PART VI**  
**PERMIT SHIELD**

Non-Applicable Requirements for Calnev Pipe Line, LLC - Barstow Terminal:

<b>Citation</b>	<b>Description</b>	<b>Explanation of Why Requirement is Not Applicable or How Requirement is Modified</b>
40 CFR 63 Subpart R	National Emission Standards for Gasoline Distribution Facilities (Bulk Gasoline Terminals and Pipeline Breakout Stations)	Facility is exempt from this regulation as it is not a major source for HAPs: See 40 CFR 63.420(a)(2). Furthermore, the facility has an ET of less than one (1) as calculated in accordance with 40 CFR 63.420(a)(1). Instead, the facility is subject to 40 CFR 63 Subpart BBBBBB.

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## **PART VII**

### **Compliance Assurance Monitoring (CAM) Plan**

The following sections as they relate to the CAM plan were submitted by the applicant simultaneously with their Title V renewal application. The plan was reviewed and deemed acceptable by the MDAQMD and included in this permit as federally enforceable permit conditions:

**A. GENERAL**

This Compliance Assurance Monitoring (CAM) Plan was developed in accordance with 40 CFR Section 64.3 “Monitoring design criteria”. Within these regulations, requirements for selecting monitoring parameters and establishing operating ranges are outlined. The plan was developed to include specified methods to determine compliance with an emission limitation on a continuous basis, consistent with the averaging period established for the emission unit in the operating permit. The plan addresses the operation of the thermal oxidizer controlling volatile organic compound (VOC) emissions from the loading racks at the Calnev Pipe Line, LLC Barstow Terminal. The basis for selecting monitoring parameters and establishing operating ranges to ensure continued compliance are discussed in the sections below. Equipment description, performance indicators, operating ranges, and justification for each indicator are described.

**B. BACKGROUND**

Currently, the operating conditions at the Barstow terminal includes loading tank trucks with diesel fuel and gasoline from various storage tanks through one of two facility tanker loading systems. A total of 12 loading arms are utilized on site. Nine are currently being used (8 plus 1 spare) to load either diesel or gasoline and 3 are being used to load diesel. The vapor collection systems transport vapors through a saturator-condensate tank and then to a vapor holding tank. When the vapor tank reaches a certain volume, vapors are then vented to the thermal oxidizer.

The system is also permitted for direct venting from the loading systems to the thermal oxidizer when the vapor tank is out of service.

Emissions Unit

Description:                   Nine-station gasoline and diesel loading system; Three-station diesel fuel loading system

Identification:               North and South Loading Racks

Stack Designation: Thermal Oxidizer

Facility: Calnev Pipe Line, LLC Barstow Terminal, Daggett, CA

Applicable Regulation, Emission Limit and Monitoring Requirements

Regulation No.:	Permit No. 0200353
Regulated Pollutant:	VOC
Emission Limit:	95% Destruction Efficiency
Monitoring Requirements in Permit:	Minimum temperature setpoint for automatic Alarm/shutdown

Control Technology

Thermal Oxidizer – Hirt Model LHF 8000X

C. **MONITORING APPROACH**

The key elements of the monitoring approach, including the indicators to be monitored, indicator ranges, and performance criteria are presented in Table VII-1.

**Table VII-1: Monitoring Approach**

<b>General Criteria</b>	<b>Indicator #1</b>	<b>Indicator #2</b>	<b>Indicator #3</b>
Parameter	Exhaust Stack Temperature (~ 3 ft above chamber)	Work Practice – Inspection and Maintenance	Work Practice– Inspection and Maintenance
Measurement Approach	Monitored continuously with a thermocouple.	Periodic inspection and maintenance of the burner.	Periodic inspection and maintenance of the vapor compressor.
Indicator Range	At or above 1000° F	An excursion is defined as failure to perform annual inspection and/or manufacturer’s recommended maintenance frequency.	An excursion is defined as failure to perform annual inspection and/or manufacturer’s recommended maintenance frequency.
<b>Performance Criteria</b>			
Data Representativeness	The thermocouple is located on the stack. The minimum tolerance of the thermocouple is approximately +/- 0.75% (≈10 oF). The temperature is monitored via a Programmable Logic Computer (PLC). The minimum set point is 1000° F. Above this temperature, 95% destruction efficiency is achievable.	Not Applicable	Not Applicable.
Verification of Operational Status	Not Applicable.	Not Applicable.	Not Applicable.
QA/QC Practices and Criteria	The thermocouple is factory calibrated. The thermal oxidizer maintenance schedule does not	Not Applicable.	Not Applicable.

	include any requirements for thermocouple calibration.		
Monitoring Frequency	Measured continuously.	At least an annual inspection of the burner and periodic maintenance at a frequency in accordance with any applicable manufacturer’s suggested schedule.	At least an annual inspection of the compressor and periodic maintenance at a frequency in accordance with any applicable manufacturer’s suggested schedule.
Data Collection Procedure	Recorded continuously.	Record results of maintenance procedures and annual inspection to be maintained for a 5 year period.	Record results of maintenance procedures and annual inspection to be maintained for a 5 year period.
Averaging Period	No average is taken.	Not Applicable.	Not Applicable.

**D. RATIONALE FOR SELECTION OF PERFORMANCE INDICATORS**

Temperature was selected because it is indicative of proper thermal oxidizer operation (combustion occurring within the chamber). If the temperature decreases below a specified set point, complete combustion may not occur. Proper temperature operation will achieve a high VOC control efficiency.

The inspection and maintenance work practice comprised of an annual inspection (including tuning) of the thermal oxidizer burner was selected because an inspection verifies equipment integrity and periodic tuning will maintain proper burner operation and efficiency. Following manufacturer's suggested maintenance practices will further ensure reliable operation.

Also, annual inspection of the vapor compressor was selected because a consistent vapor feed to the burners will result in stable operation and optimal burner efficiency. Following manufacturer's suggested maintenance practices will further ensure reliable operation.

**E. RATIONALE FOR SELECTION OF INDICATOR RANGE**

The selected indicator range is at or above 1000°F. Above this temperature, the thermal oxidizer will be achieving at least 95% destruction efficiency (as required by the operating permit). The PLC employs temperature controlled feedback that maintains the desired temperature. The temperature controller is set to maintain a minimum temperature of 1000° F.

The facility will conduct a one-time source test to verify that a minimum 95% VOC destruction efficiency can be maintained at the 1000° F thermal oxidizer operating temperature.

MDAQMD Federal Operating Permit 0200353  
Calnev Pipe Line, LLC – Barstow Terminal  
Effective Date: 10-01-2019

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## PART VIII

### CONVENTIONS, ABBREVIATIONS, DEFINITIONS, SIP TABLE

**A. REFERENCING CONVENTIONS:**

- 40 CFR Part 60, Standards of Performance for New Stationary Sources (NSPS)
- 40 CFR Part 60, Appendix F, Quality Assurance Procedures
- 40 CFR Part 61, National Emission Standards for Hazardous Air Pollutants (NESHAPS)
- 40 CFR Part 61, Subpart M, National Emission Standards for Asbestos
- 40 CFR Part 63--National Emission Standards For Hazardous Air Pollutants For Affected Source Categories
- 40 CFR Part 72, Permits Regulation (Acid Rain Program)
- 40 CFR Part 73, Sulfur Dioxide Allowance System
- 40 CFR Part 75, Continuous Emission Monitoring
- 40 CFR Part 75, Subpart D, Missing Data Substitution Procedures
- 40 CFR Part 75, Appendix B, Quality Assurance and Quality Control Procedures
- 40 CFR Part 75, Appendix C, Missing Data Estimating Procedures
- 40 CFR Part 75, Appendix D, Optional SO<sub>2</sub> Emissions Data Protocol
- 40 CFR Part 75, Appendix F, Conversion Procedures
- 40 CFR Part 75, Appendix G, Determination of CO<sub>2</sub> Emissions

**B. OTHER CONVENTIONS:**

1. Unless otherwise noted, a “day” shall be considered a 24-hour period from midnight to midnight (i.e., calendar day).
2. The process unit identifications represent the District permit number designations. These numbers are not sequential. The use of District permit numbers provides continuity between the District and Federal Operating Permit systems.

**C. ABBREVIATIONS:**

acfm	actual cubic feet per minute (also ACFM)
APCO	Air Pollution Control Officer
ARB	(California) Air Resources Board
BACT	Best Available Control Technology
bhp	brake horsepower (also BHP)
Btu	British thermal units
CARB	California Air Resources Board
CARB CP	California Air Resources Board Certification Procedure

CCR	California Code of Regulations
CEMS	continuous emissions monitoring system
CFR	Code of Federal Regulations
CO	carbon monoxide
CO <sub>2</sub>	carbon dioxide
District	Mojave Desert Air Quality Management District (formed July 1993)
g/bhp-hr	grams per brake horsepower - hour
gr/dscf	grains per dry standard cubic foot
gpm	gallons per minute
gph	gallons per hour
hp	horsepower
H&SC	California Health and Safety Code
kPa	kilo Pascals (measure of pressure)
lb	pounds
lb / hr	pounds per hour
lb / MM Btu	pounds per million British thermal units
LEL	Lower Explosive Limit (also lel)
MACT	Maximum Achievable Control Technology
MD	Mojave Desert Air Quality Management District (formed July 1993)
MDAQMD	Mojave Desert Air Quality Management District (formed July 1993)
mm Hg	millimeters of Mercury (measure of pressure)
MM Btu	million British thermal units
MM Btu/hr	million British thermal units per hour
MW	Megawatt electrical power
MW(e) net	net Megawatt electrical power
NESHAP	National Emission Standards for Hazardous Air Pollutants
NH <sub>3</sub>	ammonia
NMOC	non-methane organic compounds
NO <sub>x</sub>	oxides of nitrogen
NO <sub>2</sub>	nitrogen dioxide
NSPS	New Source Performance Standards
O <sub>2</sub>	oxygen
pH	potential of Hydrogen (acidity measure of solution)
PM <sub>10</sub>	particulate matter less than 10 microns aerodynamic diameter
PM <sub>2.5</sub>	particulate matter less than 2.5 microns aerodynamic diameter
ppmv	parts per million by volume
ppmw	parts per million by weight
psia	pounds per square inch absolute pressure
psig	pounds per square inch gauge pressure
QA	quality assurance
rpm	revolutions per minute
RVP or rvp	Reid Vapor Pressure
SB	San Bernardino County APCD (1975 to formation of MDAQMD)
SCAQMD	South Coast Air Quality Management District

scfm	standard cubic feet per minute
scfh	standard cubic feet per hour
SIC	Standard Industrial Classification
SIP	State of California Implementation Plan
SO <sub>x</sub>	oxides of sulfur
SO <sub>2</sub>	sulfur dioxide
tpy	tons per year
TVP or tvp	true vapor pressure
UEL	Upper Explosive Limit (also uel)
°	Degree(s)

**D. MDAQMD Rule SIP History:**

Disclaimer:

This table is designed to provide information on rules contained in the Applicable State Implementation Plan (SIP) for various areas within the Mojave Desert AQMD. There may be other rules or items not included herein which may be considered by USEPA to be part of the MDAQMD SIP. Facilities are encouraged to do independent research to verify any questionable information. Reliance on this document will not be a defense in any enforcement action by the MDAQMD or any other agency.

Notation Regarding Use of this Table:

This table is organized in numerical order by Rule number. Adopting Agency is indicated as the original agency which adopted and/or submitted the rule. (Current Version) is the date of there version contained in the MDAQMD rule book contained in (parenthesis). Effective Area indicates whither the SIP rule is effective within San Bernardino County only (SBC), Riverside County (RC), or both (MD). Citations attempt to provide citations for all final actions taken by USEPA for a particular rule. Underlined text indicates currently unverified information. The abbreviations listed below are utilized throughout.

Rule Adopting Agencies:

MD = Mojave Desert AQMD  
Old SB = San Bernardino County APCD before 1975  
RC = Riverside County ACPD  
SC = South Coast ACPD  
SO = Southern California APCD

Current Rule Information:

MD#, Date = Rule # in the MD Rule Book as adopted/amended on date indicated  
Rescinded & replaced = No current rule in MD Rule Book. Rule replaced by indicated action on indicated date.  
Via Res. 94-03 = Current version in the MD Rule Book is applicable to the Blythe/Palo Verde Valley area of Riverside County via annexation of that area effective 07/01/1994.

Effective Area:

MD = SIP Rule effective within entire jurisdiction of MDAQMD.  
MDAP = SIP Rule Effective within Mojave Desert PM10 Planning Area within the MDAQMD.  
RC = SIP Rule effective within Blythe/Palo Verde Valley Region of Riverside County.  
SBC = SIP Rule effective within the San Bernardino County Portion of the MDAQMD.  
SVPA = SIP Rule effective within the Searles Valley PM10 Planning Area.

SIP Fix Type

1 = SIP Pending per Region IX, USEPA Database  
2 = Title V Program Elements  
3 = Prohibitory Rules needing SIP update to match rulebook rule.  
4 = Prohibitory Rules needing partial SIP update to match rulebook rule.  
5 = Old Superseded rules; Inappropriate SIP Rules  
6 = Research required on rule status  
7 = Current rulebook rule is in SIP

Version In SIP:

Bef = Before (Assumes that the last amendment before the date listed is the version submitted by CARB.  
AFT = After  
G-73 = Rule book adopted by CARB Ex. Order G-73  
SIP Sub = Submitted as a SIP revision but no action yet  
Pr Del = Proposed for deletion from SIP by USEPA  
Current = Rule book version as of last adoption/amendment date is in the SIP

USEPA Actions:

Add = USEPA added additional provisions to this item.  
PD = USEPA partially disapproved this item  
App = USEPA Approved.  
PW = USEPA partially withdrew the approval of the item  
CA = USEPA Conditionally Approved.  
R = USEPA retained this item due to another Disapproval.  
D = USEPA Disapproved.  
SCApp = Approval only applicable to SCAQMD  
DD = USEPA allowed deletion without replacement.  
SCLa/Ld = Limited Approval/Disapproval only applicable to SCAQMD  
Del = USEPA allowed deletion without replacement.  
SCNPRM = Notice of proposed rule making only applicable to SCAQMD  
IA = Interim Approval  
U = Unknown action, presumed approved.  
LA/LD = USEPA approved with a Limited Approval/Disapproval of the item.  
Wit = USEPA withdrew approval of item  
ND = Notice of Deficiency, USEPA indicated that the item was deficient in whole or in part.  
NPRM = Notice of Proposed Rule Making

### District Rule Citations

<b>District Rule</b>	<b>Title</b>	<b>SIP Rule Version</b>	<b>Citation</b>	<b>Federally Enforceable</b>	<b>Notes</b>
203	<i>Permit to Operate</i>	1/7/77	[SIP: Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)]	Y	
204	<i>Permit Conditions</i>	1/9/76	[SIP: Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)]	Y	
206	<i>Posting of Permit to Operate</i>	1/9/76	[SIP: Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)]	Y	
207	<i>Altering or Falsifying of Permit</i>	1/9/76	[SIP: Approved 11/09/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 52.220(c)(31)(vi)(C)]	Y	
209	<i>Transfer and Voiding of Permit</i>	1/9/76	[SIP: Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)]	Y	
217	<i>Provision for Sampling And Testing Facilities</i>	1/9/76	[SIP: Approved 11/9/78, 43 FR 52237, 40 CFR 52.220(c)(39)(ii)(B) and 40 CFR 52.220(c)(31)(vi)(C)]	Y	
218	<i>Stack Monitoring</i>	7/25/79	[SIP: Approved 9/28/81, 46 FR 47451, 40 CFR 52.220(c)(65)(ii)]	Y	

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219	<i>Equipment Not Requiring a Written Permit</i>	SB - 6/6/77 RC - 9/4/81 MD – SIP Sub 8/23/2010	SB - [SIP: Approved 11/9/78, 43 FR, 52237, 40 CFR 52.220(c)(31)(vi)(C), 40 CFR 52.220(c)(32)(iv)(C), and 40 CFR 52.220(c)(39)(ii)(B)]  RC - [SIP: Approved 7/6/82, 47 FR 29231, 40 CFR 52.220(c)(103)(xviii)(A)]	Y	
221	<i>Federal Operating Permit Requirement</i>	12/21/94	[SIP: Approved 2/5/96, 61 FR 4217, 40 CFR 52.220(c)(216)(i)(A)(2)]	Y	
301	<i>Permit Fees</i>	Not in SIP	Applicable Version = Most current amendment, Applicable via Title V Program interim approval 02/05/96 61 FR 4217	Y	Rule 301 ordinarily Various previous impleme USEPA on 01/18 52.220(c) rule is no submitta
312	<i>Fees for Federal Operating Permits</i>	Not in SIP	Applicable Version = Amended: 12/21/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217	Y	
401	<i>Visible Emissions</i>	SB - 7/25/1977 RC - 2/4/1977 (subdivision (a)) RC - 10/15/82 (subdivision (b))	SB - [SIP: Approved 9/8/78, 43 FR 4001, 40 CFR 52.220(c)(39)(ii)(C)] RC (a) - [SIP: Approved 9/8/78, 43 FR 40011, 40 CFR 52.220(c)(39)(iv)(C)] RC (b) - [SIP: Approved 10/19/84, 49 FR 41028, 40 CFR 52.220(c)(127)(vii)(C)]	Y	
403	<i>Fugitive Dust</i>	SB - 7/25/1977 RC - 7/25/1977	SB - [SIP: Approved 9/8/78, 43 FR 4001, 40 CFR 52.220(c)(39)(ii)(B)] RC - [SIP: Approved 9/8/78, 43 FR 40011, 40 CFR 52.220(c)(39)(iv)(C)]	Y	

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403.2	<i>Fugitive Dust Control for the Mojave Desert Planning Area</i>	9/22/96	[SIP: Approved 12/9/98, 63 FR 67784, 40 CFR 52.220(c)(194)(i)(H)(1)]	Y	
404	<i>Particulate Matter Concentration</i>	7/25/77	[SIP: Approved 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A)]	Y	
405	<i>Solid Particulate Matter, Weight</i>	7/25/77	[SIP: Approved 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)]	Y	
406	<i>Specific Contaminants</i>	SB - 7/25/1977 (subdivision (a)) RC - None	SB - [SIP: Approved, 12/21/78, 43 FR 59489, 40 CFR 52.220(c)(42)(xiii)(A)]	Y	
407	<i>Liquid and Gaseous Air Contaminants</i>	5/7/76	SB - [SIP: Approved 9/8/78, 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C)] RC - [Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)]	Y	
408	<i>Circumvention</i>	5/7/76	[SIP: Approved 9/8/78, 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)]	Y	
409	<i>Combustion Contaminants</i>	5/7/76	[SIP: Approved 9/8/78; 43 FR 40011; 40 CFR 52.220(c)(39)(ii)(C); Approved 6/14/78, 43 FR 25684, 40 CFR 52.220(c)(32)(iv)(A)]	Y	

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430	<i>Breakdown Provisions</i>	Not in SIP	Applicable Version = Amended: 12/21/94, Applicable via Title V Program interim approval 02/05/96 61 FR 4217	Y	
431	<i>Sulfur Content of Fuels</i>	SB - 10/8/1976 RC – 10/8/1976	SB - [SIP: Approved 9/8/1978, 43 FR 40011, 40 CFR 52.220(c)(37)(i)(B) and 40 CFR 52.220(c)(39)(ii)(B)  RC - [SIP: Approved 9/8/1978, 43 FR 40011, 40 CFR 52.220(c)(37)(i)(C), 40 CFR 52.220(c)(39)(iv)(C), and 40 CFR 52.220(c)(39)(vi)(B)	Y	
442	<i>Usage of Solvents</i>	2/27/06	[SIP: Approved 09/17/2007, 72 FR 52791, 40 CFR 52.220(c)(347)(i)(C)(1)]	Y	
900	<i>Standards of Performance for New Stationary Sources</i>	2/28/11	Delegated by USEPA	Y	Adopts N Delegati
1000	<i>National Emissions Standards from Hazardous Air Pollutants</i>	2/28/11	Delegated by USEPA	Y	Adopts N NESHAP
1104	<i>Organic Solvent Degreasing Operations</i>	9/28/94	[SIP: Approved: 4/30/96, 61 FR 18962, 40 CFR 52.220(c)(207)(I)(D)(2)]	Y	Amende
1113	<i>Architectural Coatings</i>	4/23/12	[SIP: Approved: 1/03/14, 79 FR 364, 40 CFR 52.220(c)(428)(i)(C)]	Y	

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1115	<i>Metal Parts and Products Coating Operations</i>	4/22/96	[SIP: Approved 12/23/97, 62 FR 67002, 40 CFR 52.220(c)(239)(i)(A)(2)]	Y	
1161	<i>Cement Kilns</i>	3/25/02	[SIP: Approved 1/2/02, 67 FR 19, 40 CFR 52.220(c)(287)(i)(A)(1)]	Y	
Regulation XII	<i>Federal Operating Permits</i>	<i>1201-1210: 9/26/05 1200 &amp; 1211: 2/28/11</i>	SIP: Not SIP. Final Title V Program Approval 11/21/03 68 FR 65637; Partial Withdrawal of approval 10/15/02 67 FR 63551; Notice of Deficiency 05/22/02 67 FR 35990; Approval 12/17/01 66 FR 63503; Interim Approval 02/05/96 61 FR 4217]		
1302	<i>NSR - Procedure</i>	3/25/96	[SIP: Approved 11/13/1996, 61 FR 58133, 40 CFR 52.220(c)(239)(i)(A)(1)]	Y	Amended
1600	<i>Prevention of Significant Deterioration</i>	8/22/16			Adopted

**For the most recent Rule SIP History, including approval, pending approval, etc, see:**

<http://www.mdaqmd.ca.gov/home/showdocument?id=182>