

MOJAVE DESERT
AIR QUALITY MANAGEMENT DISTRICT

Federal Operating Permit Number: 0200353

For: Calnev Pipe Line, LLC

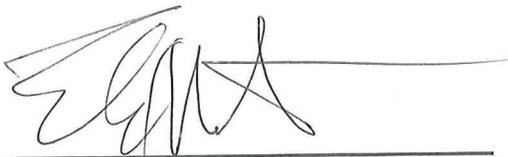
Facility: Barstow Terminal

Issued Pursuant to MDAQMD Regulation XII
Effective Date: March 12, 2011

●SEE TITLE V PAGE 2 - 4 FOR PERMIT REVISION SUMMARY●

This Federal Operating Permit Expires On:
March 12, 2016

Issued By: Eldon Heaston
Executive Director



A handwritten signature in black ink, appearing to read 'Eldon Heaston', is written over a horizontal line.

14306 PARK AVENUE, VICTORVILLE, CALIFORNIA 92392
PHONE (760) 245-1661
FAX (760) 245-2022

PERMIT REVISIONS

Date of Change, 09-07-11, Administrative Permit Renewal (by: Samuel J Oktay, PE); Revised Rule 1113 references, Page II-19 through II-20; Removed references to Soil Remediation Equipment permitted as C004804; pages III-50 through III-51; added Rule SIP History Reference, Page VII-65; Revised references to Rule 442 due to recent Rule changes; Pages II-13 & II-14.

Page I-6, added Mark J Sandon as a Responsible Official

Page III-29, permit number B000105, added jet fuel to the equipment description

Page III-29, permit number B000728, added jet fuel; replaced equipment description and conditions to reflect those associated with ATC B008639 dated 10/15/2006. Project was delayed indefinitely, owner/operator wanted to revert back to previous ATC that describes what's currently in use.

Page III-48, permit number C000106, added jet fuel to Condition #2

Page III-53, permit number T000102, added jet fuel to the equipment description

Date of Change, 08-15-07, Revised Description and Conditions for District Permit T000103 (Tank 321). Changes are associated with the owner/operators' request to allow greater organic fuel storage flexibility. Change will allow the storage of multiple products, including: gasoline, transmix, denatured ethanol, diesel fuel, and jet fuel. Previously, the tank was only permitted to store Diesel, and similar low vapor pressure liquids. Change will result with an increase in the facilities PTE, which are fully offset with ERC's. This change is considered a "Minor" Title V Permit Modification. T5 pages affected: 2, 5, I-8, III-63,
(Changes made by Samuel J. Oktay)

Date of Change, 12-8-06, Incorporated revised Permit Descriptions and Conditions associated with changes to affected District Permits; B008639, C000106, T000723, and T000725. Equipment changes will result in PTE emissions reduction; this Title V change is considered Administrative.
(Changes made by Samuel J. Oktay)

Date of Title V Permit Re-Issuance, 03-12-2006, for new 5-year permit term, March 12, 2006 through March 12, 2011.

Date of Change, 1-26-05, At the request of CALNEV Pipe Line, LLC, the facility's Gasoline Vapor Disposal System description and operating conditions have been modified to allow for operational flexibility. The revised equipment description and conditions are consistent with the results of a certification test conducted by the California Air Resources Board (CARB) on September 12, 2002. The resulting changes to this Title V Permit are considered Administrative. Table of content page 5 was updated. Pages III-57 through III-59 regarding equipment operating conditions were also updated.

Date of Change, 12-10-03, Soil Remediation Equipment under District Permit C007693 is no longer in use. Soil Remediation Equipment under District Permit C004804 will be used instead. Therefore, this Title V Permit is revised as summarized herein: Part I- Introductory Information: Revised Soil

Remediation Equipment description to reflect recent District Permit change to equipment. Part III, Equipment Specific Applicable Requirements; Emissions Limitations; Monitoring, Recordkeeping, Reporting And Testing Requirements; Compliance Conditions; Compliance Plans; equipment description and conditions; revised to reflect change to the facility's Soil Remediation equipment.

Date of Change: 05-22-03,

Administrative Change to Title V Permit to revise Responsible Official:

Category	Revised	Previous
Responsible Official Title	Ronald A. Morones Director of Operations	William M. White Vice President, Operations and Engineering
Phone Number	(909) 873-5123	(713) 369-9328

Date of Change: 03-31-03,

Added summary page 3. Revised table of contents, page 4.
 Added Tanker Truck Unloading System equipment description, page I-6.
 Revised equipment description for Tank No. 330, MDAQMD Permit Number T000096, page I-7.
 Added Rule 1102 requirements to Part II pages 14 through 19.
 Added condition regarding the requirements of Rule 1102 to control fugitive emissions of volatile organic compounds to the Two Tanker Loading Systems, Part III pages 39 through 45.
 Added Tanker Truck Unloading System equipment description and conditions, Part III pages 45 through 54.
 Revised Rule 463 CFR Citation reference throughout document.

Date of Change: 09-19-02, The following summarizes Changes to Part I, Section A (Facility Identifying Information). Additionally, references to the Daggett Bulk Terminal were changed to the Barstow Terminal throughout the permit. Request for changes was made by Kinder Morgan Energy Partners, L.P, the new owners of the Calnev facility, per a Title V administrative change letter dated 9-17-02.

Date of Change, 09-06-02, Part II- Applicable Requirements and Emissions Limitations: Revised condition 6, and added conditions 14 through 20 to the Facilitywide Compliance Conditions, Part C, portion of Section II. Conditions 14 through 20 were inadvertently left off the original Title V Permit and are considered standard facility wide requirements. Removed Section D of Part VI, Definitions. Collectively these changes to the Title V Permit are considered Administrative.

Category	Current	Revised
Owner/Company Name	CALNEV Pipe Line Company	Calnev Pipe Line, LLC
Owner Mailing Address	CALNEV Pipe Line Company 348 West Hospitality Lane, Suite 100 PO Box 6346 San Bernardino, CA 92412	Calnev Pipe Line, LLC 1100 Town & Country Road Orange, CA 92868 Attn: Yijin Wang
Facility Name	CALNEV Pipe Line Company -- Daggett Bulk Terminal	Calnev Pipe Line, LLC – Barstow Terminal
Facility Location	34277 Daggett-Yermo Road, Daggett, CA	No Change
Mailing Address	CALNEV Pipe Line Company 348 West Hospitality Lane, Suite 100 PO Box 6346 San Bernardino, CA 92412	Calnev Pipe Line, LLC 1100 Town & Country Road Orange, CA 92868 Attn: Yijin Wang
MDAQMD Federal Operating Permit Number	0200353	No Change
MDAQMD Company Number	0002	No Change
MDAQMD Facility Number	00353	No Change
Responsible Official Title	Eugene Braithwaite Director of Operations	Philip L. Vasquez/Mark J. Sandon Director of Operations
Phone Number	Not Provided	(909) 873-5123/(714)560-4867
Facility “Site” Contacts Phone Number	Joe Cooper (760) 254-2616	Rob Brown (760) 254-1216
Facility “Off-Site” Contacts Phone Number	Brian McGuire (909) 387-9509	Yijin Wang (714)560-4886
Nature of Business	Bulk Fuel Terminal	Petroleum and Chemical Bulk Stations and Terminals for Hire
SIC Code	5171	4226
Facility Location	UTM (Km): 511E/3858N	No Change

TABLE OF CONTENTS

	<u>Page</u>
Title Page	1
Permit Revision Summary's	2 through 4
Table of Contents	5
Part I Introductory Information	I-6 through I-9
Part II Applicable Requirements and Emissions Limitations	II-10 through II-31
Part III Monitoring, Recordkeeping, Reporting, and Testing Requirements	III-32 through III-65
Part IV Standard Federal Operating Permit Conditions	IV-66 through IV-68
Part V Operational Flexibility Provisions	V-69 through V-70
Part VI Conventions, Abbreviations, Definitions	VI-71 through VI-72

PART I INTRODUCTORY INFORMATION

A. FACILITY IDENTIFYING INFORMATION:

<u>Owner/Company Name:</u>	Calnev Pipe Line, LLC
<u>Owner Mailing Address:</u>	Calnev Pipe Line, LLC 1100 Town & Country Road Orange, CA 92868 Attn: Ronald E. Zinner
<u>Facility Name:</u>	Calnev Pipe Line, LLC Barstow Terminal
<u>Facility Location:</u>	34277 Daggett-Yermo Road, Daggett, CA
<u>Mailing Address:</u>	Calnev Pipe Line, LLC 1100 Town & Country Road Orange, CA 92868 Attn: Ronald E. Zinner
<u>MDAQMD Federal Operating Permit Number:</u>	0200353
<u>MDAQMD Company Number:</u>	0002
<u>MDAQMD Facility Number:</u>	00353
<u>Responsible Official:</u> <u>Title:</u>	Philip L. Vasquez /Mark J. Sandon Director of Operations
<u>Phone Number:</u>	(909) 873-5123/(714)560-4867
<u>Facility "Site" Contacts:</u> <u>Phone Number:</u>	Robert L. Brown (760) 254-2616
<u>Facility "Off Site" Contacts:</u> <u>Phone Number:</u>	Yijin Wang (714) 560-4886
<u>Nature of Business:</u>	Petroleum and Chemical Bulk Stations and Terminals for Hire
<u>SIC Code:</u>	4226
<u>Facility Location:</u>	UTM (Km): 511E/3858N

B. DESCRIPTION OF FACILITY:

Federal Operating Permit (FOP number: 0200353) for CALNEV Pipe Line Company - Daggett Bulk 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 Loading Systems, one (1) Tanker Truck Unloading System, and one (1) Gasoline Vapor Disposal System.

C. EQUIPMENT DESCRIPTION:

1. Tanker Loading Systems consisting of:

- a. MDAQMD Permit Number B000105, nine (9) station gasoline and diesel system with 4 inch bottom load vapor recovery loading arms, including, venting to a air pollution control thermal oxidizer (C000106), and nine (9) pumps rated at 30 hp each.
- b. MDAQMD Permit Number B000728, gasoline and diesel system, containing three (3) bottom load vapor recovery loading arms, venting to an air pollution control thermal oxidizer (C000106). Three (3) vapor recovery pumps rated at 30 hp each, and one (1) vapor recovery pump rated at 15 hp.

Thermal Oxidizer is a propane fired Hirt Combustion engine (Reference C000106).

2. Tanker Truck Unloading System consisting of:

- a. MDAQMD Permit Number B008639, Two 4 inch unloading hoses, two high capacity submerged turbine pumps- 5 hp each, air eliminator, strainer, high performance low fugitive emission valves, flanges and associated piping.

3. Gasoline Vapor Disposal System consisting of:

- a. MDAQMD Permit Number C000106; 4" Chiksan loading arms, a saturator-condensate tank, a vapor holder, a Garden-Denver Model 3PDR4A5 lobe blower type gas compressor powered by an electric drive motor that operates at 1755 rpm, a Hirt LHF 8000X thermal oxidizer, and related control elements.

4. The fourteen (14) above ground Petroleum Product Storage tanks consist of:

- a. MDAQMD Permit Number T000096, Tank No. 330 for Petroleum Product and Ethanol Storage, 6,183 barrel capacity (259,686 gallons), with double deck type floating roof, roof dome, pressure vacuum valve, and seal augmenters.
- b. MDAQMD Permit Number T000097, Tank No. 331 for Petroleum Product Storage, 7,402 barrel capacity (310,884 gallons), with double deck type floating roof and seal augmentors.
- c. MDAQMD Permit Number T000098, Tank No. 332 for Petroleum Product Storage,

- 17,315 barrel capacity (727,230 gallons), with double deck type floating roof and seal augmentors.
- d. MDAQMD Permit Number T000099, Tank No. 333 for Petroleum Product Storage, 17,291 barrel capacity (726,222 gallons), with double deck type floating roof and seal augmentors.
 - e. MDAQMD Permit Number T000100, Tank No. 334 for Petroleum Product Storage, 9,949 barrel capacity (417,858 gallons), with double deck type floating roof and seal augmentors.
 - f. MDAQMD Permit Number T000101, Tank No. 335 for Petroleum Product Storage, 9,959 barrel capacity (418,278 gallons), with double deck type floating roof and seal augmentors.
 - g. MDAQMD Permit Number T000102, Tank No. 325 for Diesel Storage, 11,662 barrel capacity (489,804 gallons), with cone roof and floating pan.
 - h. MDAQMD Permit Number T000103, Tank No. 321 for Petroleum Product Storage, permitted to store multiple petroleum products, including, gasoline, diesel fuel, jet fuel, or transmix, 3,760 barrel capacity (157,920 gallons), with cone roof.
 - i. MDAQMD Permit Number T000104, Tank No. 322 for Diesel Storage, 3,015 barrel capacity (126,630 gallons), with cone roof.
 - j. MDAQMD Permit Number T000723, Tank No. 320 for Petroleum Product Storage, permitted to store multiple petroleum products, including, gasoline, diesel fuel, jet fuel, or transmix, 12,650 barrel capacity, with floating roof; liquid mounted metallic shoe primary seals and secondary compression plate seals. Tank No. 320. Total - 531,000 gallons.
 - l. MDAQMD Permit Number T000724, Tank No. 323 for Petroleum Product Storage, 12,673 barrel capacity (532,266 gallons), with floating roof, polyurethane primary seal and secondary foam log seal.
 - m. MDAQMD Permit Number T000725, Tank No. 324 for Petroleum Product Storage tank, with a fixed conical roof and internal-floating-type pan that rests on the liquid contents, and is equipped with a closure device consisting of a metallic shoe primary seal, and a secondary seal. Tank is permitted to store multiple petroleum products, including: gasoline, diesel fuel, jet fuel and transmix. Tank has a 13,600 barrel (571,200 gallon) capacity, identified as Tank No. 324.
 - o. MDAQMD Permit Number T000726, Tank No. 300 for Diesel Fuel or Trans Mix Petroleum Product Storage, 475 barrel capacity (20,000 gallons), with fixed roof.
 - p. MDAQMD Permit Number T000727, Tank No. 301 for Additive Petroleum Product Storage, 475 barrel capacity (20,000 gallons), with fixed roof and conservation type vent.

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 permit is required to operate this facility.
[Rule 203 - *Permit to Operate*; Version in State Implementation Plan (SIP) = California Air Resources Board (CARB) Ex. Order G-73, 40 Code of Federal Regulations (CFR) 52.220(c)(39)(ii)(B) - 11/09/78 43 Federal Register (FR) 52237; Current Rule Version = 07/25/77]
2. The equipment at this facility shall not be operated contrary to the conditions specified in the District Permit to Operate.
[Rule 203 - *Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. The Air Pollution Control Officer (APCO) may impose written conditions on any permit.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. Commencing work or operation under a permit shall be deemed acceptance of all the conditions so specified.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. Posting of the Permit to Operate is required on or near the equipment or as otherwise approved by the APCO/District.
[Rule 206 - *Posting of Permit to Operate*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
6. Owner/Operator shall not willfully deface, alter, forge, or falsify any permit issued under District rules.
[Rule 207 - *Altering or Falsifying of Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) and 52.220(c)(31)(vi)(C) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
7. Permits are not transferable.
[Rule 209 - *Transfer and Voiding of Permit*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

8. The APCO may require the Owner/Operator to provide and maintain such facilities as are necessary for sampling and testing.
[Rule 217 - *Provision for Sampling And Testing Facilities*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(31)(vi)(C) - 02/01/77 43 FR 52237; Current Rule Version = 07/25/77]
9. 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 Rule 219 and meets the applicable criteria contained in Rule 219 (B). However, any exempted insignificant activities/equipment are still subject to all applicable facility-wide requirements.
[SIP Pending: Rule 219 - *Equipment Not Requiring a Written Permit* as Amended 10/23/00; SIP Submitted 10/30/01; Prior version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237]
10. The Owner/Operator of this facility shall obtain a Federal Operating Permit for operation of this facility.
[Rule 221 - *Federal Operating Permit Requirement*; Version in SIP = Current, 40 CFR 52.220(c)(216)(i)(A)(2) - 02/05/96 61 FR 4217]
11. Owner/Operator shall pay all applicable MDAQMD permit fees.
[Rule 301 - *Permit Fees*; Applicable Version = Amended: 06/27/05 and effective 01/01/06), Applicable via Title V Program interim approval 02/05/96 61 FR 4217]
12. Owner/Operator shall pay all applicable MDAQMD Title V Permit fees.
[Rule 312 - *Fees for Federal Operating Permits*; Applicable Version = Amended: 06/27/05 and effective 01/01/06), Applicable via Title V Program interim approval 02/05/96 61 FR 4217]
13. Stack and point source visible emissions from this facility, of any air contaminant (including smoke) into the atmosphere, shall not equal or exceed Ringelmann No. 1 for a period or periods aggregating more than three minutes in any one hour:
 - (a) While any unit is fired on Public Utilities Commission (PUC) grade natural gas, Periodic Monitoring for combustion equipment is not required to validate compliance with the Rule 401 Visible Emissions limit. However, the Owner/Operator shall comply with the recordkeeping requirements stipulated elsewhere in this permit regarding the logging of fuel type, amount, and suppliers' certification information.
 - (b) While any unit is fired on diesel fuel, Periodic Monitoring, in addition to required recordkeeping, is required to validate compliance with Rule 401 Visible Emissions limit as indicated below:
 - (i). Reciprocating engines equal or greater than 1000 horsepower, firing on only diesel with no restrictions on operation, a visible emissions inspection is

required every three (3) months or during the next scheduled operating period if the unit ceases firing on diesel/distillate within the 3-month time frame.

(ii). Diesel Standby and emergency reciprocating engines using California low sulfur fuels require no additional monitoring for opacity.

(iii). Diesel/Distillate-Fueled Boilers firing on California low sulfur fuels require a visible emissions inspection after every 1 million gallons diesel combusted, to be counted cumulatively over a 5-year period.

(iv). On any of the above, if a visible emissions inspection documents opacity, an U.S. Environmental Protection Agency (EPA) Method 9 “Visible Emissions Evaluation” shall be completed within 3 working days, or during the next scheduled operating period if the unit ceases firing on diesel/distillate within the 3 working day time frame.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[Rule 401 - *Visible Emissions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

[40 CFR 70.6 (a)(3)(i)(B) - *Periodic Monitoring Requirements*]

14. 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 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.

[40 CFR 70.6 (a)(3)(i)(B) - *Periodic Monitoring Requirements*]

[Rule 431 - *Sulfur Content of Fuels*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011; Current Rule Version = 07/25/77]

15. 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.

[Rule 403 - *Fugitive Dust*; Version in SIP = CARB Ex. Order G-73, 40 CFR

52.220(c)(39)(ii)(B) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

16. Owner/Operator shall comply with the applicable requirements of Rule 403.2 unless an “Alternative PM₁₀ Control Plan” (ACP) pursuant to Rule 403.2(G) has been approved.

[**SIP Pending:** Rule 403.2 - *Fugitive Dust Control for the Mojave Desert Planning Area* as amended 07/31/95 and submitted 10/13/95]

17. Owner/Operator shall not discharge into the atmosphere from this facility, particulate matter (PM) except liquid sulfur compounds, in excess of the concentration at standard

conditions, shown in 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 liquid or gaseous 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.

[Rule 404 - *Particulate Matter Concentration*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]

18. Owner/Operator shall not discharge into the atmosphere from this facility, solid PM including lead and lead compounds in excess of the rate shown in 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.

[Rule 405 - *Solid Particulate Matter, Weight*; Version in SIP = Current, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489]

19. Owner/Operator shall not discharge into the atmosphere from this facility, from any single source of emissions whatsoever, sulfur compounds, which would exist as a liquid or gas at standard conditions, calculated as sulfur dioxide (SO₂), greater than or equal to 500 ppm by volume.

[Rule 406 - *Specific Contaminants*; Version in SIP = 07/25/77, 40 CFR 52.220(c)(42)(xiii)(A) - 12/21/78 43 FR 52489, Subpart (a) only; Current Rule Version = 02/20/79]

20. Owner/Operator shall not discharge into the atmosphere from 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.

[Rule 407 - *Liquid and Gaseous Air Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

21. 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 that 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.

[Rule 408 - *Circumvention*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]

22. 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 (CO₂) at standard conditions averaged over a minimum of 25 consecutive minutes.

[Rule 409 - *Combustion Contaminants*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(C) - 09/08/78 43 FR 40011; Current Rule Version = 07/25/77]
Reference Section III A(1)

23. APCO, at his/her discretion, may refrain from enforcement action against an Owner/Operator of any equipment that 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 and:

- (a) Any breakdown that 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 APCO.

[SIP Pending: Rule 430 - *Breakdown Provisions* as amended 12/21/94 and submitted 02/24/95]

24. The provisions of Regulation IV except Rule 402 shall not apply to experimental research operations when the following requirements are met:

- (a) The purpose of the operation is to permit investigation, experiment, or research to advance the state of knowledge or the state of the art; and
- (b) The APCO has given written prior approval that shall include limitation of time.

[SIP: Not SIP: Rule 441 – *Research Operations* Disapproved 1/16/81 and 40 CFR 52.272(a)(9)(i)]

25. Owner/Operator of this facility shall not discharge into the atmosphere emissions in excess of the following from VOC containing materials or from organic solvents which are not VOCs unless such emissions have been reduced by at least 85%:
- (a) VOCs from all VOC containing materials, Emissions Units, equipment or processes subject to this rule, in excess of 540 kilograms (1,190 pounds) per month per Facility.
 - (b) a non-VOC organic solvent in excess of 272 kilograms (600 pounds) per day as calculated on a thirty (30) day rolling average.
 - (c) The provisions of this condition shall not apply to:
 - (1) The manufacture of organic solvents, or the transport or storage of organic solvents, or the transport or storage of materials containing organic solvents.
 - (2) The emissions of VOCs from VOC-containing materials or equipment which are subject to the rules of Regulation IV or which are exempt from air pollution control requirements by said rules.
 - (3) The spraying or other employment of organic solvents as insecticides, pesticides or herbicides.
 - (4) The use of equipment or materials for which other requirements are specified in source specific rules of Regulation XI after the compliance dates specified in such source specific rules.
 - (5) The use of 1-1-1 Trichloroethane.
 - (6) Aerosol products

[SIP: Rule 442 – *Usage of Solvents*, As Amended Adopted; 9/17/2007, 72 FR 52791, 40 CFR 52.220(c)(347)(i)(C)(1)]

26. Owner/Operator shall not set open outdoor fires unless in compliance with Rule 444. Outdoor fires burned according to an existing District permit are not considered “open outdoor fires” for the purposes of Rule 444 (reference Rule 444(B)(10)).
[Rule 444 – *Open Outdoor Fires*, Version in SIP = Current, 40 CFR 2.220(c)(42)(xiii)(A) and 40 CFR 52.273 (6)(12)(i)]

27. Owner/Operator of this facility shall comply with the Organic Solvent Degreasing Operations requirements of 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, which reduces solvent evaporation and minimizes disturbing the vapor zone.
 - (b) A permanent, conspicuous label summarizing the applicable operating requirements contained in 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 one.
- (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, which 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 accord with the recommendations of the manufacturer.
 - (ii) Degreasers shall not be operating with any detectable solvent leaks.
 - (ii) 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) Rule 442 Applicability: Any solvent using operation or facility which is not subject to the source-specific Rule 1104 shall comply with the provisions of Rule 442. Any solvent using operation or facility which is exempt from all or a portion of the volatile organic compound (VOC) limits, equipment limits or the operational limits of Rule 1104 shall be subject to the applicable provisions of Rule 442.
 - (h) Solvent Usage Records. Owner/Operator subject to Rule 1104 or claiming any exemption under Rule 1104, Section (E), shall comply with the following requirements:
 - (1) 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:
 - (i) Product name(s) used in the degreaser, and
 - (ii) The mix ratio of solvent compounds mixtures of solvents are used, and
 - (iii) VOC content of solvent or mixture of compounds as used, and
 - (iv) The total volume of the solvent(s) used for the facility, on a monthly basis, and
 - (v) The name and total volume applied of wipe cleaning solvent(s) used, on a monthly basis.

- (2) Additionally, for any degreaser utilizing an add-on emission control device/system as a means of complying with provisions of Rule 1104 shall, on a monthly basis, maintain records of key system operating and maintenance data. Such data are 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.
- (3) Documentation shall be maintained on site of the disposal or on-site recycling of any waste solvent or residues.
- (4) 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 (Reference Rule 1203(D)(1)(d)(ii)).

[Rule 1104 - *Organic Solvent Degreasing Operations*; Version in SIP = Current, 40 CFR 52.220(c)(207)(i)(D)(2) - 04/30/96 61 FR 18962, effective 11/30/94]

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

Table of Standards

	<u>COATI</u>
	<u>NG:</u>
	<u>VOC</u> <u>(grams/liter</u> <u>[g/L])</u>
Below Ground Wood Preservatives	600
Bond Breakers	350
Concrete Curing Compounds	350
Dry-Fog Coatings	400
Fire Retardant Coatings	
Clear	650
Pigmented	350
Flat Coatings	100
Primers, Sealers and Undercoaters	200
Graphic Arts (Sign) Coatings	500
Industrial Maintenance Coatings	250
High Temperature Coatings	420
Anti-Graffiti coatings	600
Clear Brushing Lacquers	680
Lacquers (including lacque sanding sealers)	550
Magnesite Cement Coatings	450
Mastic Texture Coatings	300

Metallic-Pigmented Coatings	250
Multi-Color Coatings	580
Stains	250
Wood Preservatives	350
Pretreatment (Wash) Primer	420
Quick Dry Enamels	250
Quick Dry Primers, Sealers and Undercoaters	200
Roof Coatings	250
Sanding Sealers	350

Shellac	
Clear	730
Opaque	550
Swimming Pool Coatings	340
Swimming Pool Repair and Maintenance Coatings	340
Traffic Marking Coatings	150
Varnish	350
Waterproof Sealers	250

[Rule 1113 - *Architectural Coatings*; SIP: Submitted 04/01/2003; 40 CFR 52.220(c)(315)(i)(C)(1); Approved 01/02/04; Current Rule as Amended 02/24/03]

29. Owner/Operator's use of *Wood Products Coatings* at this facility shall comply with the applicable requirements of Rule 1114, including the VOC limits specified in Rule 1114, part C, Table of Standards, as listed below:

(1) VOC Content of Coatings & Adhesives

- (a) Any Owners and/or Operators of Wood Products Coating Application Operations shall not apply any Coating or Adhesive to a Wood Product which has a VOC Content, including any VOC-containing material added to the original Coating supplied by the manufacturer, which exceeds the applicable limit specified below, unless emissions to the atmosphere are controlled by air pollution abatement equipment with an Overall Control Efficiency of at least 85 percent. Any Coating subject to this rule that meets either of the two VOC Content limit formats (grams per liter or pounds per gallon [lb/gal]) is in compliance with this subsection.

(i) **LIMITS**
 Grams of VOC Per Liter of Coating,
Less Water and Less Exempt Compounds (VOC Content)

Coating	Current Limit g/L (lb/gal)	On and After 7/1/97		On and After 7/1/2005
		Column I or g/L (lb/gal)	Column II g/L (lb/gal)	g/L (lb/gal)
Clear Sealers	680 (5.7)	550 (4.6)	680 (5.7)	275 (2.3)
Clear Topcoat	680 (5.7)	550 (4.6)	275 (2.3)	275 (2.3)
Pigmented Primers, Sealers and Undercoats	600 (5.0)	550 (4.6)	600 (5.0)	275 (2.3)
Pigmented Topcoats	600 (5.0)	550 (4.6)	275 (2.3)	275 (2.3)

Effective July 1, 1997, a person or facility shall use Coatings on Wood Products that comply with either all VOC Content limits in Column I or all VOC Content limits in Column II. A person or facility that applies a Pigmented Primer, Sealer or Undercoat, but not a Clear Topcoat or Pigmented Topcoat, to a Wood Product shall be subject to column I for that product.

- (ii) Notwithstanding the requirements of subsection (C)(1)(a)(i), a person or facility that applies a topcoat and a primer, sealer or undercoat to a Shutter may, until July 1, 2005, choose to comply with the VOC Content limits specified below for that Shutter:

(c) **LIMITS**
 Grams of VOC Per Liter of Coating,
Less Water and Less Exempt Compounds (VOC Content)

Coating	g/L (lb/gal)
Clear Sealers	275 (2.3)
Clear Topcoat	680 (5.7)
Pigmented Primers, Sealers & Undercoats	275 (2.3)

Coating	g/L (lb/gal)
Pigmented Topcoats	600 (5.0)

(d) **LIMITS**

Grams of VOC Per Liter of Coating,
 Less Water and Less Exempt Compounds (VOC Content)

Coating	Current Limit g/L (lb/gal)	On and After 7/1/97	On and After 7/1/2005
		g/L (lb/gal)	g/L (lb/gal)
Fillers	500 (4.2)	500 (4.2)	275 (2.3)
High-Solid Stains	700 (5.8)	550 (4.6)	350 (2.9)
Inks	500 (4.2)	500 (4.2)	500 (4.2)
Mold-Seal Coatings	750 (6.3)	750 (6.3)	750 (6.3)
Multi-Colored Coatings	685 (5.7)	685 (5.7)	275 (2.3)
Low-Solids Stains, Toners and Washcoats	800 (6.7)	480 (4.0)	120 (1.0)
Adhesives	250 (2.1)	250 (2.1)	250 (2.1)

[Rule 1114 - *Wood Products Coating Operations*; Version in SIP = Current, Approved: 08/18/98, 63 FR 44132, 40 CFR 52.220(c)(244)(i)(C); Approved 61 FR 18962, 04/30/96]

30. Owner/Operator's use of *Metal Parts and Products Coatings* at this facility shall comply with the applicable requirements of Rule 1115, including the VOC limits specified in Rule 1115, as listed below:

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:

LIMITS

(Grams of VOC Per Liter of Coating, Less Water and Less Exempt Compounds)

<u>Coating</u>	<u>Air Dried</u>	<u>Baked</u>
----------------	------------------	--------------

	(lb/gal)	g/L	(lb/gal)	g/L
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)
Prefabricated Architectural				
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)
High Performance				
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)

[Rule 1115 - *Metal Parts and Products Coating Operations*; Version in SIP = Current, 40 CFR 52.220(c)(239)(i)(A)(2) - 12/23/97 62 FR 67002, effective 2/23/98]

31. Owner/Operator's use of *Automotive Finishing Operations* at this facility shall comply with the applicable requirements of Rule 1116, including the VOC limits specified in Rule 1116, as listed below:

Any person who applies Coatings to Group I Vehicles (Buses and Mobile Equipment), Group II Vehicles (Passenger cars, Large/Heavy Duty Truck cabs and chassis, Light and Medium Duty Trucks and Vans, and motorcycles), or their parts and components, shall comply with subsections (a) or (b) below:

- (a) **Group I Vehicles and Mobile Equipment**
 Any person shall not Finish or refinish Group I Vehicles and Mobile Equipment or their parts and components where Color Match is not required, using any Coating with a VOC content in excess of the following limits, expressed as Grams of VOC per Liter of Coating Less Water and Less Exempt Compounds, as applied, unless emissions of VOC to the atmosphere are controlled by air pollution abatement equipment with combined capture efficiency and control efficiency of the abatement device of at least 85 percent, and which has been approved in writing by the APCO:

	VOC Limits
Pretreatment Wash Primer	780 g/L (6.5 lb/gal)
Primer	250 g/L (2.1 lb/gal)
Primer Sealer	250 g/L (2.1 lb/gal)
Topcoat	340 g/L (2.8 lb/gal)
Metallic Topcoat	420 g/L (3.5 lb/gal)
Extreme Performance	420 g/L (3.5 lb/gal)

- (b) Any person shall not refinish Group II Vehicles (Passenger cars, Large/Heavy Duty Truck cabs and chassis, Light and Medium Duty Trucks and Vans, and motorcycles), their parts and components, or Group I Vehicles and Mobile Equipment where Color Match is required, using any Coating with a VOC content in excess of the following limits, expressed as Grams of VOC per Liter of Coating Less Water and Less Exempt Compounds, as applied, unless emissions of VOC to the atmosphere are controlled by air pollution abatement equipment with a combined capture efficiency and control efficiency of the abatement device of at least 85 percent, and which has been approved in writing by the APCO:

	VOC Limits
Pretreatment Wash Primer	780 g/L (6.5 lb/gal)
Primer/Primer Surfacer	250 g/L (2.1 lb/gal)
Primer Sealer	340 g/L (2.8 lb/gal)

	VOC Limits
Topcoat	420 g/L (3.5 lb/gal)
Metallic Topcoat	420 g/L (3.5 lb/gal)
Multi-Stage Topcoat System	420 g/L (3.5 lb/gal)

[Rule 1116 - *Automotive Finishing Operations*; [SIP: Approved: 6/13/95, 60 FR 31081, 40 CFR 52.220(c)(216)(i)(A)(1); Approved: 2/20/93, 58 FR 662833, 40 CFR 52.220(c)(188)(I)(B)(1)]

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

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. [40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]

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. [Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

3. Owner/Operator of permit 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 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 are sufficient.

[40 CFR 70.6(a)(3)(B) – *Periodic Monitoring Requirements*]

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

[Federal Clean Air Act: §110(a)(2)(F, K & J); §112; §172(c)(3); §182(a)(3)(A & B); §187(a)(5); § 301(a)] and in California Clean Air Act, Health and Safety Code §§39607 and §§44300 et seq.]

- 4 (a) Owner/Operator shall submit Compliance Certifications as prescribed by Rule 1203(F)(1) and Rule 1208, in a format approved by MDAQMD. Compliance Certifications 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; the statements and information in the document are true, accurate, and complete.
[40 CFR 70.6(c)(5)(i); Rule 1208; Rule 1203(D)(1)(vii-x)]
 - (b) Owner/Operator shall include in any Compliance Certification the methods used for monitoring such compliance.
[40 CFR 70.6(c)(5)(ii); Rule 1203(D)(1)(g)(viii)]
 - (c) Owner/Operator shall comply with any additional certification requirements as specified in 42 United States Code (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 thereunder.
[Rule 1203 (D)(1)(g)(x)]
 - (d) On an *annual* basis, of any given year, Owner/Operator shall submit a *Compliance Certification Report*, within 90 days of the anniversary of the date of the issuance or renewal of the Federal Operating Permit, to the APCO/District pursuant to District Rule 1203. Each report shall be certified to be true, accurate, and complete by “The Responsible Official” and a copy of this annual report shall also be contemporaneously submitted to the EPA Region IX Administrator.
[40 CFR 72.90.a and Rule 1203 (D)(1)(g)(v - x)]
5. Owner/Operator shall submit, on an annual basis, a *Monitoring Report* to the APCO/District. Each *Monitoring Report* shall be submitted no later than 90 days after the midpoint (six months after the Title V Permit month & day issue date) of the Title V Permit anniversary date of any given year. This *Monitoring Report* shall be certified to be true, accurate, and complete by “The 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) to determine compliance with any Applicable Requirement / federally - enforceable requirement that does not directly require such monitoring.

An alternate Monitoring Report format may be used upon prior approval by MDAQMD. [Rule 1203(D)(1)(e)(i)]

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. [Rule 1203(D)(1)(e)(ii) and Rule 430(C)]

Prompt reporting shall be determined as follows:

- (a) For deviations involving emissions of air contaminants in excess of permit conditions including but not limited to those caused by a breakdown, prompt reporting shall be within one hour of the occurrence of the excess emission or within one hour 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. [SIP Pending: Rule 430 - Breakdown Provisions as amended 12/21/94 and submitted 2/24/95]
- (b) For other deviations from permit conditions not involving excess emissions of air contaminants shall be submitted to the District with any required monitoring reports at least every six (6) months. [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 obtain a *Schedule of Compliance* approved by the District Hearing Board pursuant to the requirements of MDAQMD Regulation 5 (Rules 501 - 518). In addition, 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 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, administrative order, and/or increments of progress or any other schedule as issued by any appropriate judicial or administrative 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. [Rule 1201 (I)(3)(iii); Rule 1203 (D)(1)(e)(ii); Rule 1203 (D)(1)(g)(v)]

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.

[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 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 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 the calendar year, of the predicted asbestos renovations for the following 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]

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

A. CONDITIONS APPLICABLE TO TWO TANKER LOADING SYSTEMS
CONSISTING OF:

- a. MDAQMD Permit Number B000105, nine (9) station gasoline, diesel and jet fuel system with 4 inch bottom load vapor recovery loading arms, including, venting to a air pollution control thermal oxidizer (C000106) and nine (9) pumps rated at 30 hp each.
- b. MDAQMD Permit Number B000728, gasoline, diesel and jet fuel system, containing three (3) bottom load vapor recovery loading arms, venting to a air pollution control thermal oxidizer (C000106). Three (3) vapor recovery pumps rated at 30 hp each and one (1) vapor recovery pump rated at 15 hp.

Thermal Oxidizer is a propane fired Hirt Combustion engine (Reference C000106).

1. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. Owner/Operator shall operate this equipment in strict accord with manufacturer's specifications and/or sound engineering principles.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. Owner/Operator shall not operate this equipment unless it is vented to functional air pollution control equipment operating under valid District permit C000106.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. Owner/Operator shall maintain a log of all inspections, repairs and maintenance on this equipment and submit it to the District, State or Federal personnel upon request. The log shall be kept for a minimum of five (5) years.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (*For Periodic Monitoring Requirements, see Part II and Part III conditions*)

5. Owner/Operator shall not sale 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.
[Rule 432 - *Gasoline Specifications*; Version in SIP = Current, 40 CFR 52.220(c)(39)(ii)(B) - 09/08/78 - 43 FR 40011]
6. Owner/Operator shall not transfer, permit the transfer or provide equipment for the transfer of gasoline into or from any tank truck, trailer, or railroad tank car into the gasoline storage tank unless the transfer is made to tank equipped as required in Rule 463 or unless all of the following conditions are met:
 - (a) Tank is equipped with a permanent submerged fill pipe, and
 - (b) Such delivery vessel or tank is equipped with a vapor recovery system which has been certified by the California Air Resources Board, and the facility's vapor recovery system shall be capable of recovering or processing 95% of the displaced gasoline vapors, and
 - (c) All vapor return lines are connected between the tank truck, trailer, or railroad tank car and the gasoline tank, and the vapor recovery system is in operation in accordance with the manufacturer's specifications, and the delivery vehicle, including all hoses, fittings, and couplings, is maintained in a vapor-tight condition, as defined by the applicable California Air Resources Board certification and test procedures (Part III, Section D, of Title V Permit), and all equipment is operated and maintained according to the manufacturer's specifications.
 - (d) Hatch openings are limited to no more than 3 minutes in duration for visual inspection, provided that pumping has been stopped for at least 3 minutes prior to opening, and the hatch is closed fully before pumping is resumed.
 - (e) All lines are gravity drained, in such a manner that upon disconnect no liquid spillage would be expected; and
 - (f) Equipment subject to this condition shall be operated and maintained, with no defects, as follows:
 - (i) All fill tubes are equipped with vapor-tight covers, including gaskets; and
 - (ii) All dry breaks have vapor-tight seals and are equipped with vapor-tight covers or dust covers; and
 - (iii) Coaxial fill tubes are operated so there is no obstruction of vapor passage from the storage tank back to the delivery vehicle; and

- (iv) The fill tube assembly, including fill tube, fittings and gaskets, is maintained to prevent vapor leakage from any portion of the vapor recovery system; and
- (v) All storage tank vapor return pipes without dry breaks are equipped with vapor-tight covers, including gaskets.

[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

[Rule 462 - *Organic Liquid Loading*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

7. Owner/Operator shall maintain a log of all inspections, repairs, and maintenance.
[Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702;
Current Rule Version = 05/25/94]
8. Owner/Operator shall not load organic liquids having a vapor pressure of 77.5 millimeters of mercury (1.5 psia) or greater under actual loading conditions into any tank truck, trailer, or railroad tank unless the loading facility is equipped with a vapor recovery system.
[Rule 462 - *Organic Liquid Loading*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
9. Owner/Operator shall accomplish loading in such a manner that the displaced vapor and air will be vented to a vapor recovery system. All connections and vapor lines are to be maintained in a Vapor Tight condition to prevent fugitive vapor leaks. Measures shall be taken to prevent fugitive liquid leaks from the loading device when it is not in use or to accomplish complete drainage before the loading device is disconnected, to prevent organic liquid drainage.
[Rule 462 - *Organic Liquid Loading*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
10. Owner/Operator shall maintain a log of all inspections, repair, and maintenance on equipment subject to this rule. Such logs or records shall be maintained at the facility for at least 5 years and shall be made available to the APCO upon request.
[Rule 462 - *Organic Liquid Loading*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
11. Owner/Operator shall prepare a log showing the daily; input, output, average stored volume over the 24 hour period (midnight to midnight), storage and transfer temperatures of the organic liquid, stored product's name and Chemical Abstracts Service (CAS) number, and a monthly summary of the throughput for the calendar year to date.
[Rule 462 - *Organic Liquid Loading*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

12. Any violation determined by any one of the following listed *Reference Method Tests* shall constitute a violation of the Part III, Section F conditions:
- (a) Vapor recovery system and gasoline dispensing equipment shall be maintained leak-free as verified performing annual EPA Method 21 tests and monthly visual inspections. Vapor Tightness (Fugitive Vapor Leaks) for all equipment described in Part II, Condition G.2.(c) shall be determined by EPA Method 21 - *Determination of Volatile Organic Compounds Leaks*.
 - (b) Vapor Recovery System Efficiency for Delivery Vessels shall be determined by the EPA Method entitled, *Control of Organic Compound Leaks from Gasoline Tank Trucks and Vapor Collection Systems* (method specified in the CTG EPA-450/2-78-051), or the CARB Method entitled, *Certification and Test Procedures for Vapor Recovery Systems of Gasoline Delivery Tanks*.
 - (c) Reid Vapor Pressure shall be determined in accordance with ASTM Method D 323-82.
 - (d) Vapor Recovery System Efficiency for Bulk Plants shall be determined by CARB Method 202, "*Certification of Vapor Recovery Systems - Bulk Plants*."
 - (e) Vapor Recovery System Efficiency for Terminals shall be determined by CARB Method 203, "*Certification of Vapor Recovery Systems - Gasoline Terminals*."
 - (f) Vapor Recovery System Efficiency for Service Stations shall be determined by the CARB Methods in "*Test Procedures for Determining the Efficiency of Gasoline Vapor Recovery Systems at Service Stations*."
- [Rule 461 - *Gasoline Transfer and Dispensing*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (*For Periodic Monitoring Requirements; see Part II and Part III conditions*)
[Rule 462 - *Organic Liquid Loading*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]

13. Owner/Operator of this facility shall comply the requirements of Rule 1102 to control fugitive emissions of volatile organic compounds (VOC's) due to component leaks.

Operating Requirements:

- (a) Hatches shall be closed at all times except during sampling, adding process material or attended maintenance operations.
- (b) 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, except when open end is in use.

Operating Inspection Requirements:

- (a) Except as provided in District Rule 1102 sections (D)(4) and (D)(6), operators shall monitor accessible components at least every calendar quarter for gaseous

leaks in accordance with the test method specified in District Rule 1102 section (F)(2)(b)

- (b) Inaccessible and unsafe components shall be subject to the inspection requirements of District Rule 1102 section (F)(2)(b).
- (c) A pressure relief valve shall be inspected quarterly, and within 14 calendar days after every functional pressure relief, pursuant to the test method specified in District Rule 1102 section (H)(2).
- (d) All threaded and flanged connections shall be inspected by the operator according to the test method specified in District Rule 1102 section (H)(2) immediately after assembly and annually thereafter.
- (e) All accessible pumps, compressors and pressure relief valves shall be audio-visually inspected for leaks not less than daily, except for unmanned pipeline transfer stations, which shall be inspected monthly. If a leak is detected, the VOC concentration shall be determined pursuant to the test method specified in District Rule 1102 section (H)(2).
 - (f) The inspection frequency for all accessible components, except pumps, compressors and pressure relief valves, may be changed from quarterly to annual, provided all of the following conditions are met:
 - (1) Achieve a "good performance level" as defined in District Rule 1102 section (B)(9) for five (5) consecutive quarters.
 - (2) The above is substantiated by documentation and submitted to and approved by the APCO.
 - (g) Quarterly monitoring shall be reinstated by the operator during the next calendar quarter upon failure to achieve a "good performance level."

- (h) An operator shall be in violation of this section when the leak rate of a component type exceeds two (2) percent of the total number of components of that type subject to the requirements of this rule.

Operator Repair Requirements

- (a) Any component found leaking shall be repaired to a leak-free condition within fifteen days of detection.
- (b) The requirements of District Rule 1102 section (E)(1) shall not apply to leaking critical components, as identified under District Rule 1102 section (G)(1) of this rule. Repair of critical components shall be accomplished during the next scheduled shutdown or process turnaround of the unit, but not later than three (3) months from the date of detection.
- (c) Any component leak identified by the District shall be inspected and repaired as required by District Rule 1102 sections (D) and (E), respectively.
- (d) The operator shall reinspect components for leaks as soon as practicable, but not later than thirty (30) days after the date on which the component is repaired and placed in service, in accordance to the test method specified in District Rule 1102 section (H)(2).

Exemptions

- (a) The provisions of this rule shall not apply to the following cases, where the person seeking the exemption shall supply the proof of the applicable criteria to the satisfaction of the APCO or his designee:
 - (1) Any component exclusively handling liquids, gasses or gaseous process fluids with a VOC concentration of 10% or less by weight, as determined by the test method specified in District Rule 1102 section (H)(3); or
 - (2) Any component in heavy liquid service.
 - (3) Components which are part of a process unit not in service.
 - (4) Components incorporated in lines, while operating under negative pressure.

- (5) Components totally contained or enclosed such that there are no VOC emissions into the atmosphere.
 - (6) Components buried below ground.
 - (7) One-half inch and smaller stainless steel tube fittings which have been demonstrated to the APCO to be leak-free based on an initial inspection in accordance with the test method specified in District Rule 1102 section (H)(2).
 - (8) Pressure vacuum valves on storage tanks.
- (b) The operator inspection requirements of District Rule 1102 section (D) shall not apply to the following components; all other requirements of the rule shall remain in force:
- (1) Pressure relief valves, pumps and compressors that are equipped with a closed-vent system capable of capturing and transporting any leak to a vapor control system.
 - (2) Any component situated in an unsafe or inaccessible location. Components in unsafe areas shall be inspected and repaired at the next process turnaround. Inaccessible components shall be inspected at least annually.
- (3) Components handling liquids of:
- (i) less than or equal to 20 degree API gravity after the point of primary separation; or
 - (ii) between 20 and 30 degree API gravity, which are located after the point of primary separation of oil and gas, provided the separation vessel is equipped with a vapor recovery system and is operated at a pressure less than 25 psig.
- (4) Components qualifying for the exemptions in District Rule 1102 sections (F)(2)(c)(i) and (ii) shall be subject to the following:
- (i) The operator shall perform visual inspections on a quarterly basis. Upon detection of a visible leak, the leak shall be measured to quantify emission concentrations according to the test method specified in District Rule 1102 section (H)(2).

- (ii) The quarterly visual inspection can be changed to an annual inspection if the requirements of District Rule 1102 section (D)(6) and (7) are satisfied.
- (iii) Any leak detected during a District inspection may constitute a violation of this rule.

Recordkeeping and Reporting

(a) Any person subject to the requirements of this rule shall maintain an inspection and identification log, containing, at a minimum, the information specified below. The log must be initially approved by the APCO for the purposes of inspection, repair, replacement and recordkeeping, and shall comply with the compliance schedule requirements specified in District Rule 1102 section (J):

(1) All major and critical components subject to this rule shall be of labels, tags or other system, which enables the District or the operator to locate each individual component. The log must identify the system to be used, the affected components and their locations.

(2) All major, critical, inaccessible and unsafe components subject to this rule, except flanges and fittings, shall be clearly identified in diagrams, as approved by the APCO.

(3) The APCO shall be notified of any change in the identification of a major component and the operator shall document such a change in the inspection and identification log.

(4) For each component identified pursuant to District Rule 1102 section (G)(1)(a) and (b), and for minor components subject to the provisions of this rule, the following information shall be recorded following each operator inspection:

- (i) Name, location, components types and description of any unit where leaking components are found.
- (ii) Date of leak detection, emission level (ppmv) and method of leak detection.
- (iii) Date of repair.
- (iv) Date and emission level of reinspection after leak is repaired.
- (v) Total number of components inspected, and total number and percentage of leaking components found, by component types.

- (b) Copies of the inspection and identification log shall be retained on site for a minimum of two years.
- (c) Copies of the inspection and identification log shall be made available to the APCO or his designee at the time of District inspection.

Test Methods for Compliance Verification

- (a) The determination of the exempt compounds shall be determined by ASTM D4457-85 and be consistent with the provisions set forth in the Federal Register (FR, Vol. 56, No. 52, March 18, 1991.) Perfluorocarbon compounds shall be assumed to be absent from a product or process unless a manufacturer or facility operator identifies a specific compound(s) from the broad classes of perfluorocarbon compounds listed in 40 CFR 51.100(S)(1)) as being present in the product or process. When such compounds are identified, the facility shall provide the validated test method to determine the amounts of the specific compound(s).
- (b) The measurement of gaseous VOC leak concentrations shall be determined according to EPA Method 21 by using an appropriate analyzer calibrated with methane.
- (c) The VOC content of fluids shall be determined using ASTM Methods E168-88, E169-87 or E260-85 or updated versions of these methods approved by EPA and published in 40 CFR Part 60.
- (d) The determination of percent evaporation at 150° shall be performed in accordance with ASTM D86-82.
- (e) The determination of API gravity of crude oil shall be performed in accordance with ASTM D287.

[Rule 1102 – Fugitive Emissions of VOC’s from Components at Pipeline Transfer Stations; Version in SIP = Current, 40 CFR 52.220(c)(207)(i)(D) – 10/26/94 60 FR 49772, effective 9/27/95]

- B. CONDITIONS APPLICABLE TO THE TANKER TRUCK ETHANOL UNLOADING SYSTEM CONSISTING OF: Two 4-inch unloading hoses, Two High Capacity Submerged Turbine Pumps- 5 hp each, Air eliminator, Strainer, High Performance Low Fugitive Emission Valves, Flanges and associated piping.

Conditions:

1. Operations of this equipment shall be conducted in accordance with all data and specifications submitted with the application under which this permit is issued unless otherwise noted below.
2. This unloading system shall only be used to transfer ethanol from tanker trucks to Tank 330 operating under valid district permit T00096.
3. The owner/operator shall operate and maintain this equipment in accord with District Rule 1102, including performing:
 - a. Operator Inspection Requirements per Rule 1102(D)
 - b. Operator Repair Requirements per Rule 1102(E)
 - c. Recordkeeping and Reporting per Rule 1102(G), except 1102(G)(2); copies of the inspection and identification log shall be maintained current and on-site for a minimum of five (5) years and provided to District, State or Federal personnel on request.
4. Test methods for Compliance Verification shall be performed per Rule 1102(H).
5. The vapor return line shall be connected to the tanker truck during offloading operations.

C. CONDITIONS APPLICABLE TO THE GASOLINE VAPOR DISPOSAL SYSTEM;
consisting of:

MDAQMD Permit Number C000106; Nine 4" Chiksan loading arms, a saturator-condensate tank, a vapor holder, a Garden-Denver Model 3PDR4A5 lobe blower type gas compressor powered by an electric drive motor that operates at 1755 rpm, a Hirt LHF 8000X thermal oxidizer, and related control elements.

1. This equipment must be in use any time the Truck Loading Rack (B000105 or B000728) is in use.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. The total volume of product (gasoline, diesel and jet fuel) transferred to cargo tanks at the controlled loading racks shall not exceed one million gallons per calendar day.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. Emissions from this equipment are related to the performance of the motor and compressor assemblies. Repair or replacement of the compressor or motor shall result in performance consistent with the Vapor Processing System (VPS) certification conducted by CARB. If repairs or replacement occurs, the owner/operator shall demonstrate performance consistency to District personnel upon request.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR

52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

4. The hourly product throughput to cargo tanks at the loading racks during normal operation shall not exceed 72,000 gallons.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. No more than nine loading arms may be in simultaneous operation at this facility.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
6. A pressure gauge shall be installed at the vapor return line connection to the cargo tank, and the pressure at this point shall not exceed 18 inches of water during cargo tank loading.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
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 rack. The system shall not return control to the loading rack until the vapor blower and thermal oxidizer operate in conjunction for a period of no less than five (5) minutes.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
8. The vapor processing system shall only be operated in modes as demonstrated during the September 12, 2002 certification test. The vapor processing system and its control equipment shall be operated, maintained and calibrated in accordance with manufacturer instructions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
9. The loading systems controlled by this equipment shall be equipped with a non-resettable meter tracking total product loaded in trucks (in gallons per hour).
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
10. Records shall be retained (at facility) and available for inspection by District, State or Federal personnel for the previous 5-year period. The owner/operator (o/o) shall maintain a current, on-site operations log for this facility. The operations log shall include the following information:
 - a. The amount of product loaded per day and per hour (in gallons);
 - b. The maximum vapor return line gauge pressure at the cargo tank connection during tank loading (in inches of water);
 - c. Records of tank bladder height alarms and related actions, and
 - d. Records of any maintenance or repairs to the primary devices, the date and time as to when any temporary vapor control equipment was employed as well as records as to the date, time and

person whom was contacted at the MDAQMD regarding the use of any temporary equipment as required by condition 17.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

11. 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 63.11, 40 60.18, and have a displaced gasoline vapor destruction efficiency of no less than 95%.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 12. 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 time of the primary unit(s).
 - 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).[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 13. Operation of any temporary Vapor Combustions System shall include a monitor to ensure the pilot light is constantly lit.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 14. 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, as required by District Rule 401, Visible Emissions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
- D. CONDITIONS APPLICABLE TO SIX ABOVE GROUND PETROLEUM PRODUCT STORAGE TANKS, MDAQMD PERMIT NUMBERS; T000096 (Tank 330), T000097 (Tank 331), T000098 (Tank 332), T000099 (Tank 333), T000100 (Tank 334) AND T000101 (Tank 335) consisting of:
- a. One (1) 6,183 barrel, 259,686 gallon capacity Storage Tank, No. 330, with double deck type floating roof, roof dome, pressure vacuum valve, and seal augmentors (MDAQMD Permit No.T000096).

- b. One (1) 7,402 barrel, 310,884 gallon capacity Storage Tank, No. 331, with double deck type floating roof and seal augmentors (MDAQMD Permit No.T000097).
 - c. One (1) 17,315 barrel, 727,230 gallon capacity Storage Tank, No. 332, with double deck type floating roof and seal augmentors (MDAQMD Permit No.T000098).
 - d. One (1) 17,291 barrel, 726,222 gallon capacity Storage Tank, No. 333, with double deck type floating roof and seal augmentors (MDAQMD Permit No.T000099).
 - e. One (1) 9,949 barrel, 417,858 gallon capacity Storage Tank, No. 334, with double deck type floating roof and seal augmentors (MDAQMD Permit No.T000100).
 - f. One (1) 9,959 barrel, 418,278 gallon capacity Storage Tank, No. 335, with double deck type floating roof and seal augmentors (MDAQMD Permit No.T000101).
2. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. There shall be no holes, tears, or openings in either the primary or secondary seals, which allow the uncontrolled emission of VOC.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. Gaps between the tank shell and the primary seal shall not exceed 1/8 inch for an accumulative length of 95% of the seam circumference and shall not exceed 1/2 inch for the remaining 5% of the accumulative length.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. Gaps between the tank shell and the secondary seal shall not exceed 1/8" for an accumulative length of 95% of the seam circumference and shall not extend from the roof of the tank shell and shall not be attached to the primary seal.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (*For Periodic Monitoring Requirements, see Part II and Part III conditions*)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 463 - *Storage of Organic Liquid*; Version in SIP = Current, 40 CFR 52.220(c)(191)(i)(C) – 05/03/95 60 FR 21702; Current Rule Version = 11/02/92]

6. Secondary seal shall extend from the roof of the tank shell and shall not be attached to the primary seal.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
7. Secondary seal shall allow easy insertion of a 1/2 inch wide probe to facilitate primary seal gap measurement.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
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 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
9. All openings in the tank roof shall be equipped with a projection, which extends below the liquid surface.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
10. Emergency roof drain shall be equipped with slotted membrane fabric cover, or equivalent, which covers at least 90% of the drain area.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
11. Owner/Operator shall maintain an accurate temperature record of the liquid stored in the tanks. This record shall be maintained for a minimum of five years and shall be made available to District personnel upon request. True vapor pressure of liquids stored shall not exceed 11.0 psia.
[40 CFR 70.6 (a)(3)(B) - *Periodic Monitoring Requirements*] (*For Periodic Monitoring Requirements, see Part II and Part III conditions*)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 462 - *Organic Liquid Loading*; Version in SIP = Current, 40 CFR 52.220(c)(198)(i)(E)(1) - 05/03/95 - 60 FR 21702]
[Rule 463 - *Storage of Organic Liquid*; Version in SIP = Current, 40 CFR 52.220(c)(191)(i)(C) - 05/03/95 60 FR 21702; Current Rule Version = 11/02/92]
12. Equipment shall be maintained and operated in accordance with local and state certification requirements.
Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

13. The permittee shall perform all inspections and maintain records required in District rule 463.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
[Rule 463 - *Storage of Organic Liquid*; Version in SIP = Current, 40 CFR 52.220(c)(191)(i)(C) – 05/03/95 60 FR 21702; Current Rule Version = 11/02/92]
 14. Owner/Operator shall maintain a log of all inspections, repairs and maintenance on this equipment and submit it to District, State or Federal personnel upon request. The log shall be kept for a minimum of five (5) years.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (For Periodic Monitoring Requirements, see Part II and Part III conditions)
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 15. Owner/Operator shall maintain all operating logs and records, current and on-site, for a minimum of 5 years from the date the records were created to substantiate compliance with all conditions of this Federal Operating Permit and shall be provided to District, State or Federal personnel upon request.
[40 CFR 70.6 (a)(3)(B) - Periodic Monitoring Requirements] (For Periodic Monitoring Requirements; see Part II and Part III conditions)
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
[Rule 1203(D)(1)(d)(ii)]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
- E. CONDITIONS APPLICABLE TO ABOVE GROUND PETROLEUM PRODUCT STORAGE TANK, MDAQMD PERMIT NUMBER; T000102, consisting of:
Diesel and Jet Fuel Storage Tank (Tank No 325), 11,662 barrel, 489,804 gallon capacity, with cone roof and floating pan.
1. Organic liquids having a true vapor pressure of 569 mm Hg (11psi) absolute or greater under actual storage conditions cannot be stored in this tank.
[Rule 463 - *Storage of Organic Liquid*; Version in SIP = Current, 40 CFR 52.220(c)(191)(i)(C) – 05/03/95 60 FR 21702; Current Rule Version = 11/02/92]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 2. District must be notified in writing if a change is made in type of product to be stored in tank.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

3. Equipment shall be maintained and operated in accordance with local and state certification requirements.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 4. The floating roof shall be floating at all times except during initial fill and when tank is completely emptied and subsequently refilled.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 5. Owner/Operator shall maintain a record of petroleum product stored, period of storage, amount, storage temperature and maximum true vapor pressure of that product during its storage period. Records shall be maintained for at least five years and made available to District personnel upon request.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 6. Owner/Operator shall notify the District when unobstructed seal gap test will occur and supply the District with a written report of seal gap measurements within 60 days after each such test.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
- G. CONDITIONS APPLICABLE TO ABOVE GROUND DIESEL STORAGE TANK, MDAQMD PERMIT NUMBER; T000104 consisting of:
One Diesel Storage Tank (Tank No 322), 3,015 barrel, 126,630 gallon capacity, with cone roof.
1. Organic liquids having a true vapor pressure of 77.5 mm Hg (1.5psi) absolute or greater, under actual storage conditions, cannot be stored in this tank.
[Rule 463 - *Storage of Organic Liquid*; Version in SIP = Current, 40 CFR 52.220(c)(191)(i)(C) – 05/03/95 60 FR 21702; Current Rule Version = 11/02/92]
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78, 43 FR 52237; Current Rule Version = 07/25/77]
 2. District must be notified in writing if a change is made in type of product to be stored in tank.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 3. Equipment shall be maintained and operated in accordance with local and state certification requirements.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

H. CONDITIONS APPLICABLE TO MDAQMD PERMIT NUMBER; T000723, PETROLEUM PRODUCT STORAGE, PERMITTED TO STORE MULTIPLE PETROLEUM PRODUCTS, INCLUDING, GASOLINE, DIESEL FUEL, JET FUEL, OR TRANSMIX, 12,650 BARREL CAPACITY, WITH FLOATING ROOF; LIQUID MOUNTED METALLIC SHOE PRIMARY SEALS AND SECONDARY COMPRESSION PLATE SEALS. TANK NO. 320. TOTAL - 531,000 GALLONS.

1. There shall be no holes, tears, or openings in the primary seal or secondary seals which allow the uncontrolled emission of VOC.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
2. This tank shall be equipped with a liquid mounted metallic shoe primary seal that extends into the liquid, and up a vertical distance of at least 24 inches above the level of the liquid. These shall be no ungasketed roof penetrations, no slotted pipe guide pole unless equipped with a float, sleeve, and wiper seals, and no adjustable roof legs unless fitted with vapor seal boots or as deemed equivalent by the District. The secondary seal shall allow easy access to the primary seal and shall be attached to the rim of the floating roof thus meeting the requirements set forth in Rule 463(F)(3)(e) and (f) and shall meet the following requirements of Rule 463(F)(1)(b):
 - a. No gap between the tank shell and secondary seal shall exceed 1/2 inch.
 - b. Gaps between the tank shell and the secondary seal shall not exceed 1/8 inch for an accumulative length of 95% of the circumference of the tank.[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
3. All gauge hatches, roof supports, manholes, automatic bleeder vents, rim vents, gauge wells, etc., 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 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
4. All openings in the tank roof, except for bleeder vents and rim space vents, shall be equipped with a projection which extends below the liquid surface.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. Emergency roof drain shall be equipped with slotted membrane fabric cover, or equivalent, which covers at least 90% of the drain area.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR

52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

6. The permittee shall maintain an accurate record of the storage temperature of liquid stored in this tank; this record shall be maintained for a minimum of two years and shall be made available to District personnel upon request. True vapor pressure of liquids stored shall not exceed 11.0 psia.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

7. Equipment shall be maintained and operated in accordance with local and state certification requirements.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

8. The permittee shall perform all inspections and maintain records required in District rule 463.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

9. The annual throughput of this tank shall not exceed 404.712 MMGPY.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

I. CONDITIONS APPLICABLE TO MDAQMD PERMIT NUMBER; T000724, PETROLEUM PRODUCT STORAGE, 12,673 BARREL CAPACITY, WITH FLOATING ROOF; METALLIC SHOE PRIMARY SEAL AND SECONDARY COMPRESSION PLATE SEAL. TANK NO. 323. TOTAL 532,266 GALLONS

1. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. There shall be no holes, tears, or openings in the primary seal, which allow the uncontrolled emission of VOC.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

3. Gaps between the tank shell and the primary seal shall not exceed 1/8" for an accumulative length of 95% of the seam circumference and shall not exceed 1/2 inch for the remaining 5% of the accumulative length.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

4. All gauge hatches, roof supports, manholes, automatic bleeder vents, rim vents, gauge wells etc., 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 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
5. All openings in the tank roof shall be equipped, with a projection, which extends below the liquid surface.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
6. Emergency roof drain shall be equipped with slotted membrane fabric cover, or equivalent, which covers at least 90% of the drain area.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
7. The permittee shall maintain an accurate record of the storage temperature of liquid stored in this tank; this record shall be maintained for a minimum of two years and shall be made available to District personnel upon request. True vapor pressure of liquids stored shall not exceed 11.0 psia.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
8. Equipment shall be maintained and operated in accordance with local and State certification requirements.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
9. The permittee shall perform all inspections and maintain records required in District rule 463.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
10. Owner/Operator shall maintain all operating logs and records, current and on-site, for a minimum of 5 years from the date the records were created to substantiate compliance with all conditions of this Federal Operating Permit and shall be provided to District, State or Federal personnel upon request.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
- J. CONDITIONS APPLICABLE TO MDAQMD PERMIT NUMBERS T000725, AND

T000103 EACH DESCRIBED BELOW:

- a. Petroleum Product Storage tank, with a fixed conical roof and internal-floating-type pan that rests on the liquid contents, and is equipped with a closure device consisting of a metallic shoe primary seal, and a secondary seal. Tank is permitted to store multiple petroleum products, including: gasoline, diesel fuel, jet fuel and transmix. Tank has a 13,600 barrel (571,200 gallon) capacity, identified as Tank No. 324. (MDAQMD Permit No.T000725).
- b. Multi-Product Storage tank, with a fixed conical roof and internal-floating-type pan that rests on the liquid contents, equipped with a closure device consisting of a metallic shoe primary seal, and a secondary seal. Tank is permitted to store multiple products, including: gasoline, transmix, denatured ethanol, diesel fuel, and jet fuel. The tank has a 3,760 barrel (157,920 gallon) capacity, identified as Tank No. 321. (MDAQMD Permit No.T000103).
1. This tank shall only store organic liquids with true vapor pressure less than 569 millimeters of mercury (11 psi) absolute under actual storage conditions (Rule 463(C)(b)(ii)).
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 2. The equipment shall be maintained and operated in accordance with local and state certification requirements.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 3. The floating roof shall be floating at all times except during initial fill and when tank is completely emptied and subsequently refilled.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 4. The permittee shall maintain a record of petroleum product stored, period of storage and amount, storage temperature and maximum true vapor pressure of that product during its storage period. Records shall be maintained for at least two years and made available to District personnel upon request.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 5. Prior to put the tank back in service after new seal installation, gap measurements shall be made and recorded to ensure compliance with Rule 463(F)(1)(a) and (b). Thereafter, at a minimum rate of once per year, an LEL measurement shall be performed and recorded in accordance with 463(C)(b)(iii), which shall not exceed 50%

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

6. There shall be no holes, tears, or openings in the primary and secondary seals which allow the uncontrolled emission of VOC.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

7. The primary and secondary seals and fittings for this tank shall meet all the requirements specified in District Rule 463.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

8. The permittee shall perform all inspections and maintain records required in District Rule 463.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

K **CONDITIONS APPLICABLE TO DIESEL FUEL OR TRANS MIX PETROLEUM STORAGE TANK (Tank No. 300); MDAQMD PERMIT NUMBER T000726;**
consisting of: 475 Barrel, 20,000 gallon Capacity storage tank.

1. This tank shall only store organic liquids with true vapor pressure less than 569 millimeter of mercury (11 psi) absolute under actual storage conditions (Rule 463(C)(b)(ii)).

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

2. Owner/Operator may not store a material in this tank unless the vapor pressure is less than 11.0 psia. [Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

3. The permittee shall perform all inspections and maintain records required in District rule 463. [Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

4. This storage tank shall be vented to functional air pollution control equipment operating under valid District permit C000106.

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

5. Owner/Operator shall maintain this Tank in compliance with MDAQMD Rule 463(C)(c).

[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

- L. CONDITIONS APPLICABLE TO ADDITIVE (OGA477PL) PETROLEUM PRODUCT STORAGE TANK (Tank No. 301); MDAQMD PERMIT NUMBER T000727; consisting of: 475 Barrel, 20,000 gallon Capacity storage tank.
1. Owner/Operator shall insure this equipment complies with applicable Part II and Part III conditions.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 2. This tank shall only store organic liquids with true vapor pressure less than 569 millimeter of mercury (11 psi) absolute under actual storage conditions (Rule 463(C)(b)(ii)).
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]
 3. The permittee shall perform all inspections and maintain records required in District rule 463.
[Rule 204 - *Permit Conditions*; Version in SIP = CARB Ex. Order G-73, 40 CFR 52.220(c)(39)(ii)(B) - 11/09/78 43 FR 52237; Current Rule Version = 07/25/77]

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.
[40 CFR 70.6(a)(5); Rule 1203(D)(1)(f)(i)]
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.
[40 CFR 70.6(a)(6)(i); Rule 1203(D)(1)(f)(ii)]
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).
[40 CFR 70.6(a)(6)(ii); Rule 1203(D)(1)(f)(iii)]
4. This Federal Operating Permit may be modified, revoked, reopened or terminated for cause.
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(iv)]
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 the operation of any condition contained in this Federal Operating Permit.
[40 CFR 70.6(a)(6)(iii); Rule 1203(D)(1)(f)(v)]
6. The issuance of this Federal Operating Permit does not convey any property rights of any sort nor does it convey any exclusive privilege.
[40 CFR 70.6(a)(6)(iv); Rule 1203(D)(1)(f)(vi)]
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.
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(vii)]

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.
[40 CFR 70.6(a)(6)(v); Rule 1203(D)(1)(f)(viii)]
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.
[40 CFR 70.6(a)(3)(ii)(B); Rule 1203(D)(1)(d)(ii)]
10. Owner/Operator shall pay all applicable fees as specified in MDAQMD Regulation III, including those fees related to permits as set forth in Rules 301 and 312.
[40 CFR 70.6(a)(7); Rule 1203(D)(1)(f)(ix)]
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.
[40 CFR 70.6(a)(8); Rule 1203(D)(1)(f)(x)]
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).
[40 CFR 70.6(f)(1)(i); Rule 1203(G)(1)]
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.
[40 CFR 70.6(f)(3)(i); Rule 1203(G)(3)(a)]
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.
[40 CFR 70.6(f)(3)(ii); Rule 1203(G)(3)(b)]
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.
[40 CFR 70.6(f)(3)(iii); Rule 1203(G)(3)(c)]
16. The Permit Shield set forth above, in condition 12 of Part IV, shall not be construed to limit the ability of USEPA or the MDAQMD to obtain information pursuant to other provisions of law including but not limited to 42 U.S.C. §7414.
[40 CFR 70.6(f)(3)(iv); Rule 1203(G)(3)(d)]

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.
[40 CFR 70.4(b)(12)(ii)(B); Rule 1203(G)(3)(e)]
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.
[40 CFR 70.4(b)(14)(iii); Rule 1203(G)(3)(f)]
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.
[40 CFR 70.5(a)(1)(ii), 70.7(e)(2)(vi); Rule 1203 (G)(3)(g)]
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]

PART V OPERATIONAL FLEXIBILITY

ALTERNATIVE OPERATING SCENARIO (S):

A. *OFF PERMIT CHANGES*

- I. 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 Rule 219; and
 - 1. The proposed change is not:
 - a. Subject to any requirements under Title IV of the Federal Clean Air Act; or *[See 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 1203(E)(1)(c)(i) d.]*
 - d. The change does not violate any Federal, State or Local requirement, including an applicable requirement; and *[See 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 1203(E)(1)(c)(i)e.]*
- II. 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:
 - 1. Permittee shall apply for an Authority To Construct permit pursuant to the provisions of Regulation II. *[See 1203(E)(1)(c)(i)b.]*
 - 2. 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 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 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 1203(E)(1)(c)(i)c.]*
 - 3. Permittee shall forward a copy of the application and notification to USEPA upon submitting it to the District. *[See 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 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 1203(E)(1)(c)(i)f.]*

III. Other Requirements:

- A. The provisions of 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)]*
[Rule 1203(E)(1)(c)]

PART VI CONVENTIONS, ABBREVIATIONS, DEFINITIONS

A. CONVENTIONS

The following referencing conventions are used in this federal operating permit:

- 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 SO₂ Emissions Data Protocol
- 40 CFR Part 75, Appendix F, Conversion Procedures
- 40 CFR Part 75, Appendix G, Determination of CO₂ 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

Abbreviations used in this permit are as follows:

CFR	Code of Federal Regulations
APCO	Air Pollution Control Officer
bhp	brake horsepower
Btu	British thermal units
CCR	California Code of Regulations
CEMS	continuous emissions monitoring system
CO	carbon monoxide
CO ₂	carbon dioxide

District	Mojave Desert Air Quality Management District (formed July 1993)
MDAQMD	Mojave Desert Air Quality Management District (formed July 1993)
MD	Mojave Desert Air Quality Management District (formed July 1993)
SB	San Bernardino County APCD (1975 to formation of MDAQMD)
gr/dscf	grains per dry standard cubic foot
gpm	gallons per minute
gph	gallons per hour
hp	horse power
H&SC	California Health and Safety Code
lb	pounds
lb / hr	pounds per hour
lb / MM Btu	pounds per million British thermal units
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
NH ₃	ammonia
NMOC	non-methane organic compounds
NO _x	oxides of nitrogen
NO ₂	nitrogen dioxide
O ₂	oxygen
pH	pH (acidity measure of solution)
PM ₁₀	particulate matter less than 10 microns aerodynamic diameter
ppmv	parts per million by volume
psig	pounds per square inch gauge pressure
QA	quality assurance
rpm	revolutions per minute
RVP	Reid vapor pressure
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 _x	oxides of sulfur
SO ₂	sulfur dioxide
tpy	tons per year
TVP	true vapor pressure

D. MDAQMD Rule SIP History

For Rule SIP History including approval, pending approval, etc, see:

<http://www.mdaqmd.ca.gov/Modules/ShowDocument.aspx?documentid=45>

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.

1.0 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.

2.0 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: None
Control Technology
Thermal Oxidizer – Hirt Model LHF 8000X

3.0 MONITORING APPROACH

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

Table 1 Monitoring Approach

General Criteria	Indicator #1	Indicator #2	Indicator #3
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.
Performance Criteria			
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 oF. 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	Not Applicable.	Not Applicable.

	maintenance schedule does not 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.

4.0 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 high VOC efficiency control.

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, if applicable, 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, if applicable, will further ensure reliable operation.

5.0 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.