777 12th Street 3rd Floor
Sacramento, CA 95814

(916) 874-4800

SACRAMENTO METROPOLITAN
AIR QUALITY
MANAGEMENT DISTRICT

TITLE V FEDERAL OPERATING PERMIT
AND
SMAQMD RULE 201 PERMIT TO OPERATE

TITLE V PERMIT NO:
TV2006-06-02

PERMIT ISSUED:	PERMIT LAST AMENDED:	PERMIT EXPIRES:
September 10, 2007	June 22, 2010	September 10, 2012

ISSUED TO:
Chevron Sacramento Terminal
2420 Front Street
Sacramento, CA 95818

FACILITY LOCATION:
Chevron Sacramento Terminal
2420 Front Street
Sacramento, CA 95818

RESPONSIBLE OFFICIAL:
Sara Porter
Manager, Operations Northwest
(925) 250-3367

CONTACT PERSON:
Jay Crooks
Terminal Manager
(916) 448-5198

NATURE OF BUSINESS:
Bulk Gasoline Terminal

STANDARD INDUSTRIAL CLASSIFICATION (SIC):
5171

Larry Greene
SMAQMD Air Pollution Control Officer

by: Bruce Nixon
Bruce Nixon, P.E.
Air Quality Engineer

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I. PERMIT SUMMARY

This permit shall serve as a Permit to Operate pursuant to SMAQMD Rule 207 (Title V - Federal Operating Permit Program) and SMAQMD Rule 201 (General Permit Requirements). Requirements identified in the permit as non-federally enforceable are not enforceable by U.S. EPA or the public. However, they are enforceable by the SMAQMD.

The permittee's application for this air quality Permit to Operate was evaluated for compliance with SMAQMD, State of California and federal air quality rules and regulations. The following listed rules are those that were found to be applicable at the time of permit review, based on the information submitted with the Title V permit application.

Citation	**Description**	**Rule Adoption Date**	**Federally Enforceable ?**
SMAQMD Rule 101	General Provisions and Definitions	09-03-1998	Yes
SMAQMD Rule 102	Circumvention	11-29-1983	Yes
SMAQMD Rule 105	Emission Statements	04-20-1993	Yes
SMAQMD Rule 201	General Permit Requirements (This rule version is SIP approved.)	11-20-1984	Yes
SMAQMD Rule 201	General Permit Requirements (This rule version is not SIP approved.)	08-24-2006	No
SMAQMD Rule 202	New Source Review (This rule version is SIP approved.)	11-20-1984	Yes
SMAQMD Rule 202	New Source Review (This rule version is not SIP approved.)	02-24-2005	No
SMAQMD Rule 207	Title V - Federal Operating Permit Program (not SIP approved but rule is applicable as part of U.S. EPA approval of the SMAQMD Title V program)	04-26-2001	Yes
SMAQMD Rule 301	Permit Fees - Stationary Source (not SIP approved but Title V fees in rule applicable as part of U.S. EPA approval of the SMAQMD Title V program)	08-01-2008	Yes (Title V provisions only)
SMAQMD Rule 306	Air Toxics Fees (This rule is not SIP approved.)	03-27-2003	No
SMAQMD Rule 307	Clean Air Act Fees	09-26-2002	Yes

I. PERMIT SUMMARY

Citation	Description	Rule Adoption Date	Federally Enforceable ?
SMAQMD Rule 401	Ringelmann Chart	04-19-1983	Yes
SMAQMD Rule 402	Nuisance (This rule is not SIP approved.)	08-03-1977	No
SMAQMD Rule 403	Fugitive Dust	11-29-1983	Yes
SMAQMD Rule 404	Particulate Matter	11-20-1984	Yes
SMAQMD Rule 407	Open Burning	11-29-1983	Yes
SMAQMD Rule 442	Architectural Coatings (This rule version is SIP approved.)	09-05-1996	Yes
SMAQMD Rule 442	Architectural Coatings (This rule version is not SIP approved.)	05-24-2001	No
SMAQMD Rule 446	Storage of Petroleum Products	11-16-1993	Yes
SMAQMD Rule 447	Organic Liquid Loading	04-02-1998	Yes
SMAQMD Rule 601	Procedure Before the Hearing Board (This rule is not SIP approved.)	02-05-1998	No
SMAQMD Rule 602	Breakdown Conditions: Emergency Variance (This rule is not SIP approved.)	12-06-1978	No
SMAQMD Rule 801 and U.S. EPA New Source Performance Standards (NSPS)	Standards of Performance for Volatile Organic Liquid Storage Vessels for Which Construction, Reconstruction or Modification Commenced After July 23, 1984 [40 CFR 60 Subpart Kb (begin at 60.110b)]	10-15-2003	Yes

I. PERMIT SUMMARY

Citation	Description	Rule Adoption Date	Federally Enforceable ?
SMAQMD Rule 801 and U.S. EPA New Source Performance Standards (NSPS)	Standards of Performance for Bulk Gasoline Terminals [40 CFR 60 Subpart XX (begin at 60.500)]	12-19-2003 (A)	Yes
U.S. EPA National Emission Standards for Hazardous Air Pollutants (NESHAP)	National Emission Standards for Hazardous Air Pollutants - Gasoline Distribution Facilities [40 CFR 63 Subpart R (begin at 63.420)]	04-06-2006 (A)	Yes
40 CFR 68	Chemical Accident Prevention Provisions [40 CFR 68 (begin at 68.1)]	04-09-2004 (A)	Yes (if threshold quantity is exceeded)
40 CFR 82	Protection of Stratospheric Ozone - Recycling and Emissions Reduction [40 CFR 82 (begin at 82.150)]	04-13-2005 (A)	Yes

(A) U.S. EPA promulgation date

Future changes in prohibitory rules may establish more stringent requirements that may, at the SMAQMD level, supersede the conditions listed here. For Title V purposes however, the federally enforceable requirements are those found in the Title V permit. Federally enforceable provisions of the Title V permit do not change until the Title V permit is revised.

II. FACILITY DESCRIPTION

Permit Background

The following is the sequence of Title V permits that have been issued for the Chevron Sacramento Terminal:

Type of Permit Action	Date	Permit No.
Initial Title V Federal Operating Permit issued	06-01-1997	TV1996-06-01
1st Minor Modification	06-22-1998	TV1996-06-02
2nd Minor Modification	08-04-1999	TV1996-06-03
1st Permit Renewal (includes Major Modification)	09-10-2002	TV2002-06-01
1st Administrative Amendment	01-14-2003	TV2002-06-01A
2nd Administrative Amendment	02-18-2004	TV2002-06-01B
3rd Administrative Amendment	08-29-2006	TV2002-06-01C
2nd Permit Renewal	09-10-2007	TV2006-06-01

Current Permitting Action

This permit action is the 1st Minor Modification and the 1st Administrative Amendment to the 2nd renewal of the Title V Federal Operating Permit and will be assigned the permit number TV2006-06-02.

Facility Description

The Chevron Sacramento Terminal is a bulk gasoline terminal that receives, stores and distributes gasoline and diesel fuel in the Sacramento area. The Chevron Sacramento Terminal also supplies these products to a large area surrounding Sacramento.

The gasoline and diesel fuel products are received through a pipeline from the Chevron Richmond refinery and pumped into large storage tanks. Additives such as Techroline and ethanol are received by tank truck and are also pumped into storage tanks. From the storage tanks the gasoline is loaded into tank trucks at a loading rack equipped with vapor collection equipment. The collected gasoline vapors are processed by an absorption/carbon adsorption vapor recovery system. Gasoline vapors from the loading racks at the nearby Conoco Phillips bulk gasoline terminal are also routed to and processed by Chevron's vapor recovery system.

The Chevron Sacramento Terminal also operates two oil water separators that process wastewater from the terminal before discharging to the municipal wastewater collection system.

III. FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

TITLE V PERMIT MODIFICATIONS AND RENEWAL

1. The owner or operator of a stationary source shall submit to the SMAQMD Air Pollution Control Officer a complete Title V permit application for renewal no later than September 10, 2011 (12 months prior to the expiration date of the Title V permit).
   [Basis: SMAQMD Rule 207 Section 301.4]

2. The owner or operator of a stationary source shall submit to the SMAQMD Air Pollution Control Officer a complete Title V permit application for minor Title V permit modification when applicable. The application shall be submitted after receiving any required preconstruction permit from the SMAQMD and before commencing operation associated with the Minor Title V permit modification.
   [Basis: SMAQMD Rule 207 Section 301.6]

3. The owner or operator of a stationary source shall submit to the SMAQMD Air Pollution Control Officer a complete Title V permit application for Significant Title V permit modification when applicable. The application shall not be submitted prior to receiving any required preconstruction permit from the SMAQMD but no later than 12 months after commencing an operation associated with the Significant Title V permit modification. Where an existing federally enforceable Title V permit condition would prohibit such change in operation or the stationary source is not required to obtain a preconstruction permit, the owner or operator must obtain a Title V permit modification before commencing operation.
   [Basis: SMAQMD Rule 207 Section 301.7]

4. The applicant shall submit to the SMAQMD Air Pollution Control Officer timely updates to the Title V application as new applicable requirements become applicable to the source.
   [Basis: SMAQMD Rule 207 Section 302.1]

5. The applicant shall submit to the SMAQMD Air Pollution Control Officer any additional information necessary to correct any incorrect information in the Title V permit application upon becoming aware of such incorrect submittal or if the applicant is notified by the SMAQMD Air Pollution Control Officer of such incorrect submittal.
   [Basis: SMAQMD Rule 207 Section 302.2]

6. The applicant shall submit to the SMAQMD Air Pollution Control Officer any additional information relating to the Title V application within 30 days if such information is requested in writing by the SMAQMD Air Pollution Control Officer.
   [Basis: SMAQMD Rule 207 Section 302.3]

7. Title V permit expiration terminates the stationary source's right to operate unless a timely and complete Title V permit application for renewal has been submitted and the stationary source complies with SMAQMD Rule 207 Sections 303.1(a), (b), (c) and (d), in which case the existing Title V permit will remain in effect until the Title V permit renewal has been issued or denied.
   [Basis: SMAQMD Rule 207 Section 303.2]

III. FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

8. Any Title V application form, report, or compliance certification submitted pursuant to a federally enforceable requirement in this permit shall contain certification by a responsible official. The certification shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete.
   [Basis: SMAQMD Rule 207 Section 304]

9. This Title V permit shall have a 5-year fixed term from the date of issuance. The Title V permit shall have a new 5-year fixed term from the date of final action on reopening if the responsible official chooses to submit to the SMAQMD a complete Title V application for renewal upon reopening of the Title V permit pursuant to SMAQMD Rule 207 Sections 411 or 412, and the Title V permit is renewed according to the administrative procedures listed in SMAQMD Rule 207 Sections 401 through 408.
   [Basis: SMAQMD Rule 207 Section 306]

COMPLIANCE

10. The permittee must comply with all conditions of the Title V permit.
    [Basis: SMAQMD Rule 207 Section 305.1(k)(1)]

11. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of the Title V permit.
    [Basis: SMAQMD Rule 207 Section 305.1(k)(2)]

12. This Title V permit may be modified, revoked, reopened, and reissued, or terminated for cause.
    [Basis: SMAQMD Rule 207 Section 305.1(k)(3)]

13. The permittee shall furnish to the SMAQMD Air Pollution Control Officer, within a reasonable time, any information that the SMAQMD Air Pollution Control Officer may request in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit pursuant to SMAQMD Rule 207 Section 411, or to determine compliance with this Title V permit. Upon request, the permittee shall also furnish to the SMAQMD Air Pollution Control Officer copies of records required to be kept by conditions of this permit or, for information claimed to be confidential, the permittee may furnish such records directly to the U.S. EPA along with a claim of confidentiality.
    [Basis: SMAQMD Rule 207 Section 305.1(k)(4)]

14. Noncompliance with any federally enforceable requirement in this Title V permit is grounds for Title V permit termination, revocation and reissuance, modification, enforcement action or denial of the Title V permit renewal application. Any violation of the Title V permit shall also be a violation of SMAQMD Rule 207.
    [Basis: SMAQMD Rule 207 Section 305.1(k)(5)]

15. A pending Title V permit action (e.g. a proposed permit revision) or notification of anticipated noncompliance does not stay any permit condition.
    [Basis: SMAQMD Rule 207 Section 305.1(k)(6)]

III. FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

16. This Title V permit does not convey any property rights of any sort, or any exclusive privilege. **[Basis: SMAQMD Rule 207 Section 305.1(k)(7)]**

17. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the SMAQMD Air Pollution Control Officer or an authorized representative to perform all of the following:

    A. Enter upon the stationary source's premises where this source is located or emissions related activity is conducted, or where records must be kept under the conditions of this permit;

    B. Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Title V permit;

    C. Inspect at reasonable times, the stationary source, equipment (including monitoring and air pollution control equipment), practices and operations regulated or required under this Title V permit, and;

    D. As authorized by the Federal Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the Title V permit conditions or applicable federal requirements.

    [Basis: SMAQMD Rule 207 Section 413.1]

<u>REPORTS AND RECORDKEEPING</u>

18. **Monitoring Reports**

    A. The permittee shall submit to the SMAQMD Air Pollution Control Officer at least once every six months, unless required more frequently by an applicable requirement, reports of all required monitoring.
        i. All instances of deviations from Title V permit monitoring conditions must be clearly identified in such reports.

    B. The reporting periods for this permit shall be January 01 through June 30 and July 01 through December 31. The reports shall be submitted by July 30 and January 30 following each reporting period respectively.

    C. All required reports must be certified by the responsible official and shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

    [Basis: SMAQMD Rule 207 Section 501.1]

III. FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

19. **Compliance Reports**

A. The permittee shall submit to the SMAQMD Air Pollution Control Officer and U.S. EPA (Air-3, U.S. EPA, Region IX) on an annual basis, unless required more frequently by additional applicable federal requirements such as Section 114(a)(3) and 504(b) (42 U.S.C. Sections 7414(a)(3) and 7661c(b)) of the Federal Clean Air Act, a certification of compliance by the responsible official with all terms and conditions contained in the Title V permit, including emission limitations, standards and work practices.

B. The reporting period for this permit shall be January 01 through December 31. The report shall be submitted by January 30 following the reporting period.

C. All required reports must be certified by the responsible official and shall state that, based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate and complete.

D. The Compliance Certification Report shall include the following:

i. The identification of each term or condition of the Title V permit that is the basis of the certification.

ii. The method(s) used for determining the compliance status of the source, currently and over the reporting period, and whether such method(s) provides continuous or intermittent data.

iii. The status of compliance with the terms and conditions of the Title V permit for the period covered by the certification, based on the method designated in Section D.ii of this condition.

iv. Such other facts as the SMAQMD Air Pollution Control Officer may require to determine the compliance status of the source.

v. In accordance with SMAQMD Rule 207 Section 305, a method for monitoring the compliance of the stationary source with its emissions limitations, standards and work practices.

[Basis: SMAQMD Rule 207 Section 413.4]

20. The permittee shall report within 24 hours of detection any deviation from a federally enforceable Title V permit condition not attributable to an emergency. In order to fulfill the reporting requirement of this condition, the permittee shall notify the SMAQMD Air Pollution Control Officer by telephone followed by a written statement describing the nature of the deviation from the federally enforceable permit condition.
[Basis: SMAQMD Rule 207 Section 501.3]

III. FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

21. All monitoring data and support information required by a federally enforceable applicable requirement must be kept by the stationary source for a period of 5 years from the date of the monitoring sample, measurement, report or application. Support information includes all calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and copies of all reports required by the federally enforceable applicable requirement in the Title V permit.
[Basis: SMAQMD Rule 207 Section 502.3]

RINGELMANN CHART

22. Except as otherwise provided in SMAQMD Rule 401 Section 100, a person shall not discharge into the atmosphere from any single source of emission whatsoever any air contaminant, other than uncombined water vapor, for a period or periods aggregating more than three minutes in any one hour which is:

    A. As dark or darker in shade as that designated No. 1 on the Ringelmann Chart, as published by the United States Bureau of Mines, or

    B. Of such opacity as to obscure a human observer's view, or a certified calibrated in-stack opacity monitoring system to a degree equal to or greater than No. 1 on the Ringelmann Chart.

    [Basis: SMAQMD Rule 401]

PARTICULATE MATTER

23. A person shall take every reasonable precaution not to cause or allow the emissions of fugitive dust from being airborne beyond the property line from which the emission originates, from any construction, handling or storage activity, or any wrecking, excavation, grading, clearing of land or solid waste disposal operation. Reasonable precautions shall include, but are not limited to:

    A. Use, where possible, of water or chemicals for control of dust in the demolition of existing buildings or structures, construction operations, the construction of roadways or the clearing of land.

    B. Application of asphalt, oil, water, or suitable chemicals on dirt roads, materials stockpiles and other surfaces which can give rise to airborne dusts.

    C. Other means approved by the SMAQMD Air Pollution Control Officer.

    [Basis: SMAQMD Rule 403]

24. Except as otherwise provided in Condition No. 24, a person shall not discharge into the atmosphere from any source particulate matter in excess of 0.23 grams per dry standard cubic meter (0.1 grains per dry standard cubic foot).
[Basis: SMAQMD Rule 404]

III. FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

25. A person shall not discharge into the atmosphere particulate matter from the burning of any kind of material containing carbon in a free or combined state, from any single source of emission whatsoever, combustion contaminants in any state or combination thereof exceeding in concentration at the point of discharge: 0.23 grams per dry standard cubic meter (0.1 grains per dry standard cubic foot) of gas calculated to 12% carbon dioxide (CO2) at standard conditions. **[Basis: SMAQMD Rule 406]**

SULFUR COMPOUNDS

26. A person shall not discharge into the atmosphere from any single source of emission whatsoever sulfur compounds in any state or combination thereof exceeding in concentration at the point of discharge: sulfur compounds, calculated as sulfur dioxide (SO2): 0.2% by volume. **[Basis: SMAQMD Rule 406]**

27. Except as otherwise provided in SMAQMD Rule 420 Section 110, a person shall not burn any gaseous fuel containing sulfur compounds in excess of 1.14 grams per cubic meter (50 grains per 100 cubic feet) of gaseous fuel, calculated as hydrogen sulfide at standard conditions, or any liquid fuel or solid fuel having a sulfur content in excess of 0.5% by weight. **[Basis: SMAQMD Rule 420]**

ARCHITECTURAL COATING

28. Any coating applied to stationary structures and their appurtenances, to mobile homes, to pavements, or to curbs, shall meet the requirements of SMAQMD Rule 442. **[Basis: SMAQMD Rule 442 (09-05-1996 version)]**

29. All VOC containing materials shall be stored in closed containers when not in use. In use includes, but is not limited to: being accessed, filled, emptied, maintained, or repaired. **[Basis: SMAQMD Rule 442 (09-05-1996 version)]**

30. The permittee shall not use volatile organic compounds for the cleanup of spray equipment unless equipment for the collection of the cleaning compounds and minimizing its evaporation to the atmosphere is used. **[Basis: SMAQMD Rule 442 Section 305 (09-05-1996 version)]**

31. The permittee shall keep a record of all architectural coatings purchased that are not clearly labeled as complying with the VOC content limits contained in SMAQMD Rule 442. Compliance in these cases can be determined by maintaining records of the manufacturer's certifications or by Material Safety Data Sheets (MSDS) that demonstrate compliance with the VOC limits of SMAQMD Rule 442. **[Basis: SMAQMD Rule 442 (09-05-1996 version) and SMAQMD Rule 207 Section 305]**

III. FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

EQUIPMENT BREAKDOWNS

32. An emergency constitutes an affirmative defense to an action brought for noncompliance with such technology based emission limitations if the following conditions are met:

    A. The affirmative defense of an emergency shall be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

        i. An emergency occurred and that the permittee can identify the cause(s) of the emergency.

        ii. The permitted facility was at the time being properly operated.

        iii. During the period of the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the Title V permit.

        iv. The permittee submitted notice of the emergency to the SMAQMD Air Pollution Control Officer within two working days of the time when emissions limitations were exceeded due to the emergency. The notice must contain a description of the emergency and corrective actions taken.

    B. In any enforcement proceedings, the permittee seeking to establish the occurrence of an emergency has the burden of proof.

    [Basis: SMAQMD Rule 207 Section 414]

33. The permittee shall notify the SMAQMD Air Pollution Control Officer of any occurrence which constitutes an emergency as defined in SMAQMD Rule 207 Section 212 as soon as reasonably possible, but no later than one hour after its detection. If the emergency occurs when the SMAQMD Air Pollution Control Officer cannot be contacted, their report of the emergency shall be made at the commencement of the next regular working day. The notification shall identify the time, specific location, equipment involved and to the extent known the cause(s) of the occurrence.

    [Basis: SMAQMD Rule 207 Section 501.2]

PAYMENT OF FEES

34. The fee for (1) the issuance of an initial Title V operating permit, (2) the renewal and/or inspection of a Title V operating permit, (3) the modification of a Title V operating permit or (4) an administrative Title V permit amendment shall be based on the actual hours spent by the SMAQMD staff in evaluating the application and processing the operating permit. The fee shall be assessed in accordance with the hourly rate established in SMAQMD Rule 301 Section 308.12.

    [Basis: SMAQMD Rule 207 Section 305.7 and SMAQMD Rule 301 Section 313]

III. FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

35. After the provisions for granting permits as set forth in SMAQMD Rule 207 have been complied with, the permittee will be notified by mail of the fee due and payable and the date the fee is due. If the fee is not paid by the specified due date, the fee shall be increased by one half the amount and the applicant/permittee shall be notified by mail of the increased fee. If the increased fee is not paid within 30 days after notice the application/permit will be canceled/revoked and the applicant/permittee will be notified by mail.
[Basis: SMAQMD Rule 207 Section 305.7]

ACCIDENTAL RELEASES

36. If subject to Section 112(r) of the federal Clean Air Act of 1990 and 40 CFR 68, the permittee shall register and submit to the U.S. EPA the required data related to the risk management plan (RMP) for reducing the probability of accidental releases of any regulated substances listed pursuant to Section 112(r)(3) of the CAA as amended in 40 CFR 68.130. The list of substances, threshold quantities and accident prevention regulations promulgated under 40 CFR Part 68 do not limit in any way the general duty provisions under Section 112(r)(1) of the federal Clean Air Act of 1990.
[Basis: 40 CFR 68]

37. If subject to Section 112(r) of the federal Clean Air Act of 1990 and 40 CFR 68, the permittee shall comply with the requirements of 40 CFR Part 68 no later than the latest of the following dates as provided in 68.10(a):

    A. June 21, 1999,

    B. Three years after the date on which a regulated substance is first listed under 68.130, or

    C. The date on which a regulated substance is first present above a threshold quantity in a process.

    [Basis: 40 CFR 68]

38. If subject to Section 112(r) of the federal Clean Air Act of 1990 and 40 CFR 68, the permittee shall submit any additional relevant information requested by any regulatory agency necessary to ensure compliance with the requirements of 40 CFR Part 68.
[Basis: 40 CFR 68]

39. If subject to Section 112(r) of the federal Clean Air Act of 1990 and 40 CFR 68, the permittee shall annually certify compliance with all applicable requirements of Section 112(r) of the federal Clean Air Act of 1990 as part of the annual compliance certification as required by SMAQMD Rule 207 Section 413.4.
[Basis: 40 CFR 68]

III. FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

TITLE VI REQUIREMENTS (OZONE DEPLETING SUBSTANCES)

40. Persons opening appliances containing CFCs for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156.
    [Basis: 40 CFR 82 Subpart F]

41. Equipment used during the maintenance, service, repair, or disposal of appliances containing CFCs must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158.
    [Basis: 40 CFR 82 Subpart F]

42. Persons performing maintenance, service, repair or disposal of appliances containing CFCs must be certified by an approved technician certification program pursuant to 40 CFR 82.161.
    [Basis: 40 CFR 82 Subpart F]

EMISSION STATEMENTS

43. The permittee, when operating any stationary source that emits 25 tons or more per year of ROC or NOx, shall annually provide the SMAQMD Air Pollution Control Officer with a written emission statement showing actual emissions of ROC and NOx from that source.
    [Basis: SMAQMD Rule 105]

CLEAN AIR ACT FEES

44. After the U.S. EPA determines that the SMAQMD has failed to demonstrate attainment of the one hour ozone ambient air quality standard by the attainment year, the owner/operator of any major stationary source of ROC or NOx shall pay the Clean Air Act fees specified by the SMAQMD Air Pollution Control Officer in accordance with SMAQMD Rule 307.
    [Basis: SMAQMD Rule 307]

PERMIT SHIELD

45. The permittee is not subject to the Gasoline Distribution MACT requirements, 40 CFR Part 63 Subpart R, except for Sections 63.420(a, d and f) and 63.428(j), provided that no modifications to the bulk gasoline terminal are made affecting applicability of this regulation, product formulations do not change from those governed by current MSDS specifications and gasoline throughput does not exceed 2,200,000 gallons per day.
    [Basis: 40 CFR Part 63 Subpart R]

NESHAP FOR GASOLINE DISTRIBUTION FACILITIES

46. The permittee shall operate the facility such that none of the facility parameters listed in Attachment A to the Loading Rack requirements are exceeded in any rolling 30 day period.
    [Basis: 40 CFR Part 63 Subpart R Section 63.420(d)(1)]

III. FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

IV. *NON*-FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

APPLICABILITY

1. The requirements outlined in this section pertain to the SMAQMD Rule 201 Permit to Operate and are not an enforceable part of the Title V permit.

LOCAL PERMIT RENEWAL

2. Permits to Operate issued to the permittee, pursuant to SMAQMD Rule 201 (non-Title V Permits to Operate), shall be renewed annually on March 14 and upon payment of the permit renewal fee established pursuant to SMAQMD Rule 301.

3. The SMAQMD Air Pollution Control Officer shall review every SMAQMD Rule 201 Permit to Operate upon annual renewal, pursuant to California Health and Safety Code Section 42301(c), to determine that permit conditions are adequate to ensure compliance with, and the enforceability of, SMAQMD rules and regulations applicable to the article, machine, equipment or contrivance for which the permit was issued. Applicable SMAQMD rules and regulations shall include those which were in effect at the time the permit was issued or modified, or which have subsequently been adopted and made retroactively applicable to an existing article, machine, equipment or contrivance, by the SMAQMD Board of Directors. The SMAQMD Air Pollution Control Officer shall revise the conditions, if such conditions are not consistent, in accordance with all applicable rules and regulations.

GENERAL

4. The SMAQMD Air Pollution Control Officer and/or authorized representatives, upon the presentation of credentials shall be permitted:

   A. To enter upon the premises where the source is located or in which any records are required to be kept under the terms and conditions of this permit to operate, and

   B. At reasonable times to have access to and copy any records required to be kept under the terms and conditions of this Permit to Operate, and

   C. To inspect any equipment, operation, or method required in this Permit to Operate, and

   D. To sample emissions from the source or require samples to be taken.

5. Legible copies of all SMAQMD Rule 201 permits shall be maintained on the premises with the equipment.

EQUIPMENT OPERATION

6. The equipment shall be properly maintained.

7. This permit does not authorize the emission of air contaminants in excess of those allowed by Division 26, Part 4, Chapter 3, of the Health and Safety Codes of the State of California or the Rules and Regulations of the SMAQMD.

IV. *NON*-FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

EQUIPMENT BREAKDOWNS

8. The permittee shall notify the SMAQMD Air Pollution Control Officer of any occurrence which constitutes a breakdown as defined in SMAQMD Rule 602 Section 201 as soon as reasonably possible, but no later than one hour after its detection. If the breakdown occurs when the SMAQMD Air Pollution Control Officer cannot be contacted, the report of breakdown shall be made at the commencement of the next regular working day. The notification shall identify the time, specific location, equipment involved, and to the extent known, the cause(s) of the occurrence.

9. Upon notification of the breakdown condition, the SMAQMD Air Pollution Control Officer shall investigate the breakdown condition in accordance with uniform written procedures and guidelines relating to logging of initial reports on appropriate forms, investigation, and enforcement follow-up. If the occurrence does not constitute a breakdown condition, the SMAQMD Air Pollution Control Officer may take appropriate enforcement action.

10. An occurrence which constitutes a breakdown condition, and which persists only until the end of the production run or 24 hours, whichever is sooner (except for continuous air pollution monitoring equipment, for which the period shall be 96 hours) shall constitute a violation of any applicable emission limitation or restriction prescribed by SMAQMD Rules and Regulations; however, the SMAQMD Air Pollution Control Officer may elect to take no enforcement action if the owner or operator demonstrates to his satisfaction that a breakdown condition exists and the following requirements are met:

    A. The notification required in SMAQMD Rule 602 Section 301.1 is made; and

    B. Immediate appropriate corrective measures are undertaken and compliance is achieved, or the process is shutdown for corrective measures before commencement of the next production run or within 24 hours, whichever is sooner (except for continuous air pollution monitoring equipment for which the period shall be 96 hours). If the owner or operator elects to shut down rather than come into immediate compliance, (s)he must nonetheless take whatever steps are possible to minimize the impact of the breakdown within the 24 hour period; and

    C. The breakdown does not interfere with the attainment and maintenance of any national ambient air quality standard.

11. An occurrence which constitutes a breakdown condition shall not persist longer than the end of the production run or 24 hours, whichever is sooner (except for continuous air pollution monitoring equipment, for which the period shall be 96 hours), unless an emergency variance has been obtained.

12. If the breakdown condition will either require more than 24 hours to correct or persists longer than the end of the production run (except for continuous air pollution monitoring equipment, for which the period shall be 96 hours) the owner or operator may, in lieu of shutdown, request the SMAQMD Air Pollution Control Officer to commence the emergency variance procedure set forth in SMAQMD Rule 602 Section 304.

IV. *NON*-FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

13. No emergency variance shall be granted unless the chairperson of the SMAQMD Hearing Board or other designated member(s) of the SMAQMD Hearing Board finds that:

    A. The occurrence constitutes a breakdown condition;

    B. Continued operation is not likely to create an immediate threat or hazard to public health or safety; and

    C. The requirements for a variance set forth in California Health & Safety Code Sections 42352 and 42353 have been met;

    D. The continued operation in a breakdown condition will not interfere with the attainment or maintenance of the national ambient air quality standards.

14. At any time after an emergency variance has been granted, the SMAQMD Air Pollution Control Officer may request for good cause that the SMAQMD Hearing Board chairperson or designated member(s) reconsider and revoke, modify or further condition the variance. The procedures set forth in SMAQMD Rule 602 Section 304.1 shall govern any further proceedings conducted under this section.

15. An emergency variance shall remain in effect only for as long as necessary to repair or remedy the breakdown condition, but in no event after a properly noticed hearing to consider an interim or 90 day variance has been held, or 15 days from the date of the subject occurrence, whichever is sooner.

16. Within one week after a breakdown condition has been corrected, the owner or operator shall submit a written report to the SMAQMD Air Pollution Control Officer on forms supplied by the SMAQMD Air Pollution Control Officer describing the causes of the breakdown, corrective measures taken, estimated emissions during the breakdown and a statement that the condition has been corrected, together with the date of correction and proof of compliance. The SMAQMD Air Pollution Control Officer may, at the request of the owner or operator for good cause, extend up to 30 days the deadline for submittal of the report described in this subsection.

17. The burden of proof shall be on the owner or operator of the source to provide sufficient information to demonstrate that a breakdown condition did occur. If the owner or operator fails to provide sufficient information, the SMAQMD Air Pollution Control Officer shall undertake appropriate enforcement action.

18. Any failure to comply, or comply in a timely manner, with the reporting requirements established in SMAQMD Rule 602 Sections 301.1 and 401 of shall constitute a separate violation of SMAQMD Rule 602.

19. It shall constitute a separate violation of SMAQMD Rule 602 for any person to file with the SMAQMD Air Pollution Control Officer a report which falsely, or without probable cause, claims that an occurrence is a breakdown condition.

IV. *NON*-FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

ARCHITECTURAL COATING APPLICATION EQUIPMENT

20. The permittee shall comply with the requirements of SMAQMD Rule 466 Solvent Cleaning when using volatile organic compounds for the cleanup of architectural coating application equipment.
    [Basis: SMAQMD Rule 466 Sections 301 and 302 (09-25-2008 version)]

V. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. 112

A. EQUIPMENT DESCRIPTION: The information specified under this section is enforceable by the SMAQMD, U.S. EPA and the public.

The requirements specified under the following sections apply to the following equipment:

Storage Tank No. 112

P/O No.:	13567 (for reference purposes only - not federally enforceable)
Safe Working Capacity:	1,772,736 gallons
Dimensions:	81.9' diameter x 47.7' high
Roof type:	Internal floating roof
Primary Seal type:	Mechanical shoe
Secondary Seal type:	None
Content:	Organic liquids with True Vapor Pressure less than 11 psia

B. EQUIPMENT SPECIFIC FEDERALLY ENFORCEABLE REQUIREMENTS: The requirements specified under this section are enforceable by the SMAQMD, U.S. EPA and the public.

EMISSION LIMIT REQUIREMENTS

1. ROC emissions from Storage Tank No. 112 shall not exceed the following:
[Basis: SMAQMD Rule 202]

Storage Tank No.	Maximum Allowable ROC Emissions pounds/quarter
112	845 (A)

(A) Emission calculation based on U.S. EPA Tanks program, Version 4.0, with a maximum throughput of 37,500,000 gallons/quarter.

EQUIPMENT OPERATION REQUIREMENTS

2. Storage Tank No. 112 shall not store organic liquids with a vapor pressure that exceeds the following limits, under actual storage conditions, as determined by the methods specified in SMAQMD Rule 446 Section 502.4:
[Basis: SMAQMD Rules 202 and 446]

Storage Tank No.	Maximum Allowable True Vapor Pressure psia
112	<11

V. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. 112

3. The throughput of Storage Tank No. 112 shall not exceed the following limit:
[Basis: SMAQMD Rule 202]

Storage Tank No.	Maximum Allowable Organic Liquid Throughput gallons/quarter
112	37,500,000

MONITORING REQUIREMENTS

4. Visually inspect the internal floating roof and the primary seal through the manholes and roof hatches on the fixed roof **at least annually** after initial fill with a gasoline product.

   A. If the internal floating roof is not resting on the surface of the volatile organic liquid inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the owner or operator shall repair the items or empty and remove the storage vessel from service with 45 days.

   B. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30 day extension may be requested from the SMAQMD Air Pollution Control Officer. Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.

   [Basis: SMAQMD Rule 202]

5. A result by any of the below listed test methods which shows non-compliance with any provision of SMAQMD Rule 446 shall constitute a violation:

   A. Control Device: Control efficiency and emission rates of control devices shall be determined by U.S. EPA Method 25 or CARB Method 422.

   B. Collection Efficiency: Collection efficiency shall be determined using Environmental Protection Agency Guidelines for Developing Capture Efficiency Protocols, 55 Federal Register 26865, June 29, 1990.

   C. Leak Detection: U.S. EPA Reference Method 21.

   D. Vapor Pressure: Vapor pressure may be obtained from standard reference texts or may be determined by ASTM D-2879-83 or ASTM D-323-82.

   [Basis: SMAQMD Rule 446]

V. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. 112

RECORDKEEPING REQUIREMENTS

6. The following record shall be continuously maintained onsite for the most recent five year period and shall be made available to the SMAQMD Air Pollution Control Officer upon request. Quarterly and yearly records shall be made available for inspection within 30 days of the end of the reporting period.
[Basis: SMAQMD Rules 202 and 446]

Frequency	Information to be recorded
Each time the tank is filled with a different product	A. Type of product. B. Date of the filling. C. True Vapor Pressure ranges of the product.
Daily (A)	D. Actual storage temperature (ambient temperature may be used in this regard).
Quarterly	E. Quarterly gasoline throughput (gallons/quarter)
Yearly after initial fill with gasoline product	F. Inspection data required pursuant to Condition No. 4.

(A) The SMAQMD currently maintains daily ambient temperature data, which will satisfy this requirement without requiring the permittee to duplicate the effort.

V. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. 113 AND ETHANOL HANDLING SYSTEM

A. EQUIPMENT DESCRIPTION: The information specified under this section is enforceable by the SMAQMD, U.S. EPA and the public.

The requirements specified under the following sections apply to the following equipment:

Storage Tank No. 113 and Ethanol Handling System

P/O No.:	22251 (for reference purposes only - not federally enforceable)
Safe Working Capacity:	1,030,092 gallons
Dimensions:	67' diameter x 41.1' high
Roof type:	Internal floating roof
Primary Seal type:	Mechanical shoe
Secondary Seal type:	None
Content:	Organic liquids with Reid Vapor Pressure less than or equal to 4.5 psia and True Vapor Pressure less than 11 psia

Ethanol Handling System consisting of:

1. (2) Tank truck unloading spots.
2. (1) Unloading pump.
3. (1) Supply pump (to loading rack).
4. Associated piping from unloading process to Storage Tank No. 113 and from Tank No. 113 to loading rack.

B. EQUIPMENT SPECIFIC FEDERALLY ENFORCEABLE REQUIREMENTS: The requirements specified under this section are enforceable by the SMAQMD, U.S. EPA and the public.

EMISSION LIMIT REQUIREMENTS

1. ROC emissions from Storage Tank No. 113 and the Ethanol Handling System and fugitive leaks from associated components shall not exceed the following:
[Basis: SMAQMD Rule 202]

Equipment	Maximum Allowable ROC Emissions (A) lb/quarter			
	Quarter 1	Quarter 2	Quarter 3	Quarter 4
Storage Tank No. 113 and Ethanol Handling System	404	404	404	404

(A) ROC emissions are based on the maximum allowable throughput, the tank content is organic liquid with RVP less than 4.5 psia, the U.S. EPA TANKS 4.09d emissions program and U.S. EPA Protocol for Equipment Leak Emission Estimates, EPA-453/R-95-017, November 1995, Table 2-3, Marketing Terminal Screening Ranges Emission Factors.

V. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. 113 AND ETHANOL HANDLING SYSTEM

(B) Component fugitive emissions based on 24 hours/day and 92 days/quarter.

EQUIPMENT OPERATION REQUIREMENTS

2. Storage Tank No. 113 shall not store organic liquids with a vapor pressure that exceeds the following limits, under actual storage conditions, as determined by the methods specified in SMAQMD Rule 446 Section 502.4:
[Basis: SMAQMD Rules 202 and 446]

Storage Tank No.	Maximum Allowable Reid Vapor Pressure psia	Maximum Allowable True Vapor Pressure psia
113	4.5	<11

3. The throughput of Storage Tank No. 113 shall not exceed the following limits:
[Basis: SMAQMD Rule 202]

Storage Tank No.	Maximum Allowable Organic Liquid Throughput gallons/quarter
113	37,500,000

MONITORING REQUIREMENTS

4. Visually inspect the internal floating roof and the primary seal through the manholes and roof hatches on the fixed roof **at least annually** after initial fill with a gasoline product.

   A. If the internal floating roof is not resting on the surface of the volatile organic liquid inside the storage vessel, or there is liquid accumulated on the roof, or the seal is detached, or there are holes or tears in the seal fabric, the owner or operator shall repair the items or empty and remove the storage vessel from service with 45 days.

   B. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30 day extension may be requested from the SMAQMD Air Pollution Control Officer. Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the company will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.

   [Basis: SMAQMD Rule 202]

V. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. 113 AND ETHANOL HANDLING SYSTEM

5. A result by any of the below listed test methods which shows non-compliance with any provision of SMAQMD Rule 446 shall constitute a violation:

   A. Control Device: Control efficiency and emission rates of control devices shall be determined by U.S. EPA Method 25 or CARB Method 422.

   B. Collection Efficiency: Collection efficiency shall be determined using Environmental Protection Agency Guidelines for Developing Capture Efficiency Protocols, 55 Federal Register 26865, June 29, 1990.

   C. Leak Detection: U.S. EPA Reference Method 21.

   D. Vapor Pressure: Vapor pressure may be obtained from standard reference texts or may be determined by ASTM D-2879-83 or ASTM D-323-82.

   [Basis: SMAQMD Rule 446]

RECORDKEEPING REQUIREMENTS

6. The following record shall be continuously maintained onsite for the most recent five year period and shall be made available to the SMAQMD Air Pollution Control Officer upon request. Quarterly and yearly records shall be made available for inspection within 30 days of the end of the reporting period.
   [Basis: SMAQMD Rules 202 and 446]

Frequency	Information to be recorded
Each time the tank is filled with a different product	A. Type of product. B. Date of the filling. C. True Vapor Pressure ranges of the product. D. Reid Vapor Pressure ranges of the product.
Daily (A)	E. Actual storage temperature (ambient temperature may be used in this regard).
Quarterly	F. Quarterly gasoline throughput (gallons/quarter)
Yearly after initial fill with gasoline product	G. Inspection data required pursuant to Condition No. 4.

(A) The SMAQMD currently maintains daily ambient temperature data, which will satisfy this requirement without requiring the permittee to duplicate the effort.

V. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. 113 AND ETHANOL HANDLING SYSTEM

7. **This is not an applicable federally enforceable requirement.**
   A written notification shall be submitted to the SMAQMD Air Pollution Control Officer by the date indicated and shall contain the following information.
   [Basis: SMAQMD Rules 202]

Frequency	Information to be submitted
At least 30 days prior to storing a new organic liquid in Tank 113	A. The type of organic liquid currently stored, including: i. Date when storage began for this organic liquid. B. The type of organic liquid proposed to be stored, including: i. The Toxic Air Contaminant (TAC) components of the proposed organic liquid. ii. Date when storage is to begin for this proposed organic liquid. iii. A Health Risk Assessment evaluating the health risk associated with the Toxic Air Contaminant emissions of the proposed organic liquid that shows compliance with SMAQMD acceptable risk levels..

V. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. 115

A. EQUIPMENT DESCRIPTION: The information specified under this section is enforceable by the SMAQMD, U.S. EPA and the public.

The requirements specified under the following sections apply to the following equipment:

Storage Tank No. 115

P/O No.:	5118 (for reference purposes only - not federally enforceable)
Safe Working Capacity:	54,894 gallons
Dimensions:	25' diameter x 29.8' high
Roof Type:	Fixed roof vented to the APC Absorption/Carbon Adsorption Vapor Processing System
Content:	Organic liquids with True Vapor Pressure less than 11 psia

B. EQUIPMENT SPECIFIC FEDERALLY ENFORCEABLE REQUIREMENTS: The requirements specified under this subsection are enforceable by the SMAQMD, U.S. EPA and the public.

EMISSION LIMIT REQUIREMENTS

1. ROC emissions from Storage Tank No. 115 and fugitive leaks from associated components shall not exceed the following:
[Basis: SMAQMD Rule 202]

Storage Tank No.	Maximum Allowable ROC Emissions pounds/quarter
115	No limitation

EQUIPMENT OPERATION REQUIREMENTS

2. The throughput of Storage Tank No. 115 shall not exceed the following limit:
[Basis: SMAQMD Rule 202]

Storage Tank No.	Maximum Allowable Organic Liquid Throughput gallons/quarter
115	No limitation

V. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. 115

3. Storage Tank No. 115 shall not store organic liquids with a vapor pressure that exceeds the following limit, under actual storage conditions, as determined by the methods specified in SMAQMD Rule 446 Section 502.4.
[Basis: SMAQMD Rules 202 and 446]

Storage Tank No.	Maximum Allowable True Vapor Pressure psia
115	<11

4. The tank shall not be operated unless it is vented to a vapor recovery system capable of collecting and processing all organic vapors and gases and which has a recovery efficiency of 95% by weight (this has been determined to be equivalent to a system that that emits no more than 0.08 pounds of VOC per 1,000 gallons of organic liquid transferred).
[Basis: SMAQMD Rule 446]

5. Any gauging or sampling device on the tank shall be equipped with a gas-tight cover which shall be closed at all times, except during gauging or sampling.
[Basis: SMAQMD Rule 446]

6. All pressure vacuum valves shall be properly maintained in a gas tight condition, such that there is no leak of organic compounds which exceeds 10,000 ppm (expressed as methane) over background when the valve is seated.
[Basis: SMAQMD Rule 446]

MONITORING REQUIREMENTS

7. A result by any of the below listed test methods which shows non-compliance with any provision of SMAQMD Rule 446 shall constitute a violation.

   A. Control Device: Control efficiency and emission rates of control devices shall be determined by U.S. EPA Method 25 or CARB Method 422.

   B. Collection Efficiency: Collection efficiency shall be determined using Environmental Protection Agency Guidelines for Developing Capture Efficiency Protocols, 55 Federal Register 26865, June 29, 1990.

   C. Leak Detection: U.S. EPA Reference Method 21.

   D. Vapor Pressure: Vapor pressure may be obtained from standard reference texts or may be determined by ASTM D-2879-83 or ASTM D-323-82.

   [Basis: SMAQMD Rule 446]

V. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. 115

RECORDKEEPING REQUIREMENTS

8. The following record shall be continuously maintained onsite for the most recent five year period and shall be made available to the SMAQMD Air Pollution Control Officer upon request. Quarterly records shall be made available for inspection within 30 days of the end of the reporting period.
[Basis: SMAQMD Rules 202 and 446]

Frequency	Information to be recorded
Each time the tank is filled with a different product	A. Type of product. B. Date of the filling. C. True Vapor Pressure ranges of the product.
Daily (A)	D. Actual storage temperature (ambient temperature may be used in this regard).
Quarterly	E. Quarterly gasoline throughput (gallons/quarter)

(A) The SMAQMD currently maintains daily ambient temperature data, which will satisfy this requirement without requiring the applicant to duplicate the effort.

V. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. 123

A. EQUIPMENT DESCRIPTION: The information specified under this section is enforceable by the SMAQMD, U.S. EPA and the public.

The requirements specified under the following sections apply to the following equipment:

Storage Tank No. 123

P/O No.:	9229 (for reference purposes only - not federally enforceable)
Safe Working Capacity:	2,023,702 gallons)
Dimensions:	94' diameter x 48' high
Roof type:	Internal floating roof
Primary Seal type:	Vapor mounted resilient filled
Secondary Seal type:	Rim mounted wiper
Content:	Organic liquids with True Vapor Pressure less than 11 psia

B. EQUIPMENT SPECIFIC FEDERALLY ENFORCEABLE REQUIREMENTS: The requirements specified under this section are enforceable by the SMAQMD, U.S. EPA and the public.

EMISSION LIMIT REQUIREMENTS

1. ROC emissions from Storage Tank No. 123 shall not exceed the following limits:
[Basis: SMAQMD Rule 202]

Storage Tank No.	Maximum Allowable ROC Emissions pounds/quarter
123	No limitation

EQUIPMENT OPERATION REQUIREMENTS

2. Storage Tank No. 123 shall not store organic liquids with a vapor pressure that exceeds the following limit, under actual storage conditions, as determined by the methods specified in SMAQMD Rule 446 Section 502.4:
[Basis: SMAQMD Rules 202 and 446]

Storage Tank No.	Maximum Allowable True Vapor Pressure (A) psia
123	<11

(A) Under actual storage conditions as determined by the methods specified in SMAQMD Rule 446 Section 502.4

V. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. 123

3. The throughput of Storage Tank No. 123 shall not exceed the following:
   [Basis: SMAQMD Rule 202]

Storage Tank No.	Maximum Allowable Organic Liquid Throughput gallons/quarter
123	No limitation

4. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying or refilling shall be continuous and shall be accomplished as rapidly as possible.
   [Basis: 40 CFR Part 60 Subpart Kb Section 60.112b(a)(1)(I)]

5. Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains is to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge flat well shall be bolted except when they are in use.
   [Basis: 40 CFR Part 60 Subpart Kb Section 60.112b(a)(1)(iv)]

6. Automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.
   [Basis: 40 CFR Part 60 Subpart Kb Section 60.112b(a)(1)(v)]

7. Rim space vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.
   [Basis: 40 CFR Part 60 Subpart Kb Section 60.112b(a)(1)(vi)]

8. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening.
   [Basis: 40 CFR Part 60 Subpart Kb Section 60.112b(a)(1)(vii)]

9. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover.
   [Basis: 40 CFR Part 60 Subpart Kb Section 60.112b(a)(1)(viii)]

10. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.
    [Basis: 40 CFR Part 60 Subpart Kb Section 60.112b(a)(1)(ix)]

V. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. 123

MONITORING REQUIREMENTS

11. Visually inspect the internal floating roof, the primary seal and the secondary seal (if one is in service), **prior to filling** the storage vessel with volatile organic liquids. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, the owner or operator shall repair the items before filling the storage vessel.
[Basis: 40 CFR Part 60 Subpart Kb Section 60.113b(a)(1)]

12. Visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof **at least once every 12 months** after initial fill with a gasoline product.

    A. If any of the following conditions exist the permittee shall repair the items or empty and remove the storage vessel from service within 45 days:

        i. Internal floating roof is not resting on the surface of the volatile organic liquid inside the storage vessel.

        ii. There is liquid accumulated on the roof.

        iii. The seal is detached.

        iv. There are holes or tears in the seal fabric.

    B. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30 day extension may be requested from the SMAQMD Air Pollution Control Officer. Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the permittee will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.

    [Basis: 40 CFR Part 60 Subpart Kb Section 60.113b(a)(2)]

13. Visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) **each time the storage vessel is emptied and degassed**.

    A. If any of the following conditions exist, the permittee shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with volatile organic liquids:

        i. Internal floating roof has defects.

        ii. Primary seal has holes, tears or other openings in the seal or the seal fabric.

V. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. 123

iii. Secondary seal has holes, tears or other openings in the seal or seal fabric.

iv. Gaskets no longer close off the liquid surfaces from the atmosphere.

v. Slotted membrane has more than 10 percent open area.

B. In no event shall inspections conducted in accordance with Condition No. 13 occur at intervals greater than 10 years.
[Basis: 40 CFR Part 60 Subpart Kb Section 60.113b(a)(4)]

14. A result by any of the below listed test methods which shows non-compliance with any provision of SMAQMD Rule 446 shall constitute a violation.

A. Control Device: Control efficiency and emission rates of control devices shall be determined by U.S. EPA Method 25 or CARB Method 422.

B. Collection Efficiency: Collection efficiency shall be determined using Environmental Protection Agency Guidelines for Developing Capture Efficiency Protocols, 55 Federal Register 26865, June 29, 1990.

C. Leak Detection: U.S. EPA Reference Method 21.

D. Vapor Pressure: Vapor pressure may be obtained from standard reference texts or may be determined by ASTM D-2879-83 or ASTM D-323-82.
[Basis: SMAQMD Rule 446]

RECORDKEEPING REQUIREMENTS

15. The following record shall be continuously maintained onsite for the most recent five year period and shall be made available to the SMAQMD Air Pollution Control Officer upon request. Quarterly records shall be made available for inspection within 30 days of the end of the reporting period.

Frequency	Information to be recorded
At all times	A. Dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. **[Basis: 40 CFR Part 60 Subpart Kb Section 60.116b(b)]**

V. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. 123

Frequency	Information to be recorded
Each time the tank is filled with a different product	B. Type of volatile organic liquid stored. C. Maximum true vapor pressure of the volatile organic liquid stored. D. Actual storage temperature (measured monthly). (A) E. Period of storage. F. Quantities of volatile organic liquid stored (gallons/day). **[Basis: 40 CFR Part 60 Subpart Kb Section 60.116b(c)]**
Each time an inspection is performed as required by Condition Nos. 11, 12 or 13	G. Identify the storage vessel for which the inspection was performed. H. Date the storage vessel was inspected. I. Observed condition of each component of the control equipment (seals, internal floating roof and fittings) **[Basis: 40 CFR Part 60 Subpart Kb Section 60.115b(a)(2)]**
Quarterly	J. Quarterly gasoline throughput (gallons/quarter) **[Basis: SMAQMD Rule 202]**

(A) Available data on the storage temperature may be used to determine the maximum true vapor pressure pursuant to 40 CFR 60 Subpart Kb Section 60.116b(e).

REPORTING AND NOTIFICATION REQUIREMENTS

16. The following reports and notifications shall be submitted to the SMAQMD Air Pollution Control Officer when applicable.

Frequency	Information to be included
At least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by Condition Nos. 11, 12 or 13.	A. Notify the SMAQMD Air Pollution Control Officer in writing to afford the SMAQMD Air Pollution Control Officer the opportunity to have an observer present. B. If the inspection required by Condition No. 13 is not planned and the permittee could not have known about the inspection 30 days in advance of refilling the storage vessel, the permittee shall notify the SMAQMD Air Pollution Control Officer at least 7 days prior to refilling of the storage vessel. Notification shall be made by

V. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. 123

Frequency	Information to be included
	telephone immediately followed by written documentation demonstrating why the inspection was unplanned. i. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the SMAQMD Air Pollution Control Officer at least 7 days prior to the refilling. **[Basis: 40 CFR Part 60 Subpart Kb Section 60.113b(a)(5)]**
At least thirty days prior to anticipated maintenance or replacement operations of primary or secondary seals that cause the emissions of volatile organic compounds.	C. A maintenance plan shall be submitted that states: i. Amount and type of emission anticipated ii. Method of calculating emissions iii. Reason that the work is necessary, including the effect of not performing the maintenance. **[Basis: SMAQMD Rule 446 Section 403]**
Within 30 days of the annual visual inspection required by Condition No. 12 where any equipment conditions described in Condition No. 12 are detected.	D. The report shall include the following: i. Identify the storage vessel ii. Nature of the defects iii. Date the storage vessel was emptied or the nature of and date the repair was made. **[Basis: 40 CFR Part 60 Subpart Kb Section 60.115b(a)(3)]**
Yearly (by January 30 of each year)	E. Report the number of years since the inspection required by Condition No. 13 was performed. **[Basis: SMAQMD Rule 201 Section 405]**

V. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. 124

A. EQUIPMENT DESCRIPTION: The information specified under this section is enforceable by the SMAQMD, U.S. EPA and the public.

The requirements specified under the following sections apply to the following equipment:

Storage Tank No. 124

P/O No.:	14424 (for reference purposes only - not federally enforceable)
Safe Working Capacity:	2,028,658 gallons)
Dimensions:	94' diameter x 48' high
Roof type:	Internal floating roof
Primary Seal type:	Spring type shoe
Secondary Seal type:	None
Content:	Organic liquids with True Vapor Pressure less than 11 psia

B. EQUIPMENT SPECIFIC FEDERALLY ENFORCEABLE REQUIREMENTS: The requirements specified under this section are enforceable by the SMAQMD, U.S. EPA and the public.

EMISSION LIMIT REQUIREMENTS

1. ROC emissions from Storage Tank No. 124 shall not exceed the following limits:
[Basis: SMAQMD Rule 202]

Storage Tank No.	Maximum Allowable ROC Emissions pounds/quarter
124	1037 (A)

(A) Emission calculation based on U.S. EPA Tanks program, Version 4.0, with a maximum throughput of 76,020,000 gallons/quarter.

EQUIPMENT OPERATION REQUIREMENTS

2. Storage Tank No. 124 shall not store organic liquids with a vapor pressure that exceeds the following limits, under actual storage conditions, as determined by the methods specified in SMAQMD Rule 446 Section 502.4:
[Basis: SMAQMD Rules 202 and 446]

Storage Tank No.	Maximum Allowable True Vapor Pressure (A) psia
124	<11

(A) Under actual storage conditions as determined by the methods specified in SMAQMD Rule 446 Section 502.4

V. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. 124

3. The throughput of Storage Tank No. 124 shall not exceed the following:
   [Basis: SMAQMD Rule 202]

Storage Tank No.	Maximum Allowable Organic Liquid Throughput gallons/quarter
124	76,020,000

4. The internal floating roof shall be floating on the liquid surface at all times, except during initial fill and during those intervals when the storage vessel is completely emptied or subsequently emptied and refilled. When the roof is resting on the leg supports, the process of filling, emptying or refilling shall be continuous and shall be accomplished as rapidly as possible.
   [Basis: 40 CFR Part 60 Subpart Kb Section 60.112b(a)(1)(I)]

5. Each opening in the internal floating roof except for leg sleeves, automatic bleeder vents, rim space vents, column wells, ladder wells, sample wells, and stub drains is to be equipped with a cover or lid which is to be maintained in a closed position at all times (i.e., no visible gap) except when the device is in actual use. The cover lid shall be equipped with a gasket. Covers on each access hatch and automatic gauge flat well shall be bolted except when they are in use.
   [Basis: 40 CFR Part 60 Subpart Kb Section 60.112b(a)(1)(iv)]

6. Automatic bleeder vents shall be equipped with a gasket and are to be closed at all times when the roof is floating except when the roof is being floated off or is being landed on the roof leg supports.
   [Basis: 40 CFR Part 60 Subpart Kb Section 60.112b(a)(1)(v)]

7. Rim space vents shall be equipped with a gasket and are to be set to open only when the internal floating roof is not floating or at the manufacturer's recommended setting.
   [Basis: 40 CFR Part 60 Subpart Kb Section 60.112b(a)(1)(vi)]

8. Each penetration of the internal floating roof for the purpose of sampling shall be a sample well. The sample well shall have a slit fabric cover that covers at least 90 percent of the opening.
   [Basis: 40 CFR Part 60 Subpart Kb Section 60.112b(a)(1)(vii)]

9. Each penetration of the internal floating roof that allows for passage of a column supporting the fixed roof shall have a flexible fabric sleeve seal or a gasketed sliding cover.
   [Basis: 40 CFR Part 60 Subpart Kb Section 60.112b(a)(1)(viii)]

10. Each penetration of the internal floating roof that allows for passage of a ladder shall have a gasketed sliding cover.
    [Basis: 40 CFR Part 60 Subpart Kb Section 60.112b(a)(1)(ix)]

V. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. 124

MONITORING REQUIREMENTS

11. Visually inspect the internal floating roof, the primary seal and the secondary seal (if one is in service), **prior to filling** the storage vessel with volatile organic liquids. If there are holes, tears, or other openings in the primary seal, the secondary seal, or the seal fabric or defects in the internal floating roof, or both, the owner or operator shall repair the items before filling the storage vessel.
[Basis: 40 CFR Part 60 Subpart Kb Section 60.113b(a)(1)]

12. Visually inspect the internal floating roof and the primary seal or the secondary seal (if one is in service) through manholes and roof hatches on the fixed roof **at least once every 12 months** after initial fill with a gasoline product.

    A. If any of the following conditions exist the permittee shall repair the items or empty and remove the storage vessel from service within 45 days:

        i. Internal floating roof is not resting on the surface of the volatile organic liquid inside the storage vessel.

        ii. There is liquid accumulated on the roof.

        iii. The seal is detached.

        iv. There are holes or tears in the seal fabric.

    B. If a failure that is detected during inspections required in this paragraph cannot be repaired within 45 days and if the vessel cannot be emptied within 45 days, a 30 day extension may be requested from the SMAQMD Air Pollution Control Officer. Such a request for an extension must document that alternate storage capacity is unavailable and specify a schedule of actions the permittee will take that will assure that the control equipment will be repaired or the vessel will be emptied as soon as possible.

    [Basis: 40 CFR Part 60 Subpart Kb Section 60.113b(a)(2)]

13. Visually inspect the internal floating roof, the primary seal, the secondary seal (if one is in service), gaskets, slotted membranes and sleeve seals (if any) **each time the storage vessel is emptied and degassed**.

    A. If any of the following conditions exist the permittee shall repair the items as necessary so that none of the conditions specified in this paragraph exist before refilling the storage vessel with volatile organic liquids:

        i. Internal floating roof has defects.

        ii. Primary seal has holes, tears or other openings in the seal or the seal fabric.

V. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. 124

iii. Secondary seal has holes, tears or other openings in the seal or seal fabric.

iv. Gaskets no longer close off the liquid surfaces from the atmosphere.

v. Slotted membrane has more than 10 percent open area.

B. In no event shall inspections conducted in accordance with Condition No. 13 occur at intervals greater than 10 years.
[Basis: 40 CFR Part 60 Subpart Kb Section 60.113b(a)(4)]

14. A result by any of the below listed test methods which shows non-compliance with any provision of SMAQMD Rule 446 shall constitute a violation.

A. Control Device: Control efficiency and emission rates of control devices shall be determined by U.S. EPA Method 25 or CARB Method 422.

B. Collection Efficiency: Collection efficiency shall be determined using Environmental Protection Agency Guidelines for Developing Capture Efficiency Protocols, 55 Federal Register 26865, June 29, 1990.

C. Leak Detection: U.S. EPA Reference Method 21.

D. Vapor Pressure: Vapor pressure may be obtained from standard reference texts or may be determined by ASTM D-2879-83 or ASTM D-323-82.
[Basis: SMAQMD Rule 446]

RECORDKEEPING REQUIREMENTS

15. The following record shall be continuously maintained onsite for the most recent five year period and shall be made available to the SMAQMD Air Pollution Control Officer upon request. Quarterly records shall be made available for inspection within 30 days of the end of the reporting period.

Frequency	Information to be recorded
At all times	A. Dimensions of the storage vessel and an analysis showing the capacity of the storage vessel. **[Basis: 40 CFR Part 60 Subpart Kb Section 60.116b(b)]**

V. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. 124

Frequency	Information to be recorded
Each time the tank is filled with a different product	B. Type of volatile organic liquid stored. C. Maximum true vapor pressure of the volatile organic liquid stored. D. Actual storage temperature (measured monthly). (A) E. Period of storage. F. Quantities of volatile organic liquid stored (gallons/day). **[Basis: 40 CFR Part 60 Subpart Kb Section 60.116b(c)]**
Each time an inspection is performed as required by Condition Nos. 11, 12 or 13	G. Identify the storage vessel for which the inspection was performed. H. Date the storage vessel was inspected. I. Observed condition of each component of the control equipment (seals, internal floating roof and fittings) **[Basis: 40 CFR Part 60 Subpart Kb Section 60.115b(a)(2)]**
Quarterly	J. Quarterly gasoline throughput (gallons/quarter) **[Basis: SMAQMD Rule 202]**

(A) Available data on the storage temperature may be used to determine the maximum true vapor pressure pursuant to 40 CFR 60 Subpart Kb Section 60.116b(e).

REPORTING AND NOTIFICATION REQUIREMENTS

16. The following reports and notifications shall be submitted to the SMAQMD Air Pollution Control Officer when applicable.

Frequency	Information to be included
At least 30 days prior to the filling or refilling of each storage vessel for which an inspection is required by Condition Nos. 11, 12 or 13.	A. Notify the SMAQMD Air Pollution Control Officer in writing to afford the SMAQMD Air Pollution Control Officer the opportunity to have an observer present. B. If the inspection required by Condition No. 13 is not planned and the permittee could not have known about the inspection 30 days in advance of refilling the storage vessel, the permittee shall notify the SMAQMD Air Pollution Control Officer at least 7 days prior to refilling of the storage vessel. Notification shall be made by

V. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. 124

Frequency	Information to be included
	telephone immediately followed by written documentation demonstrating why the inspection was unplanned. i. Alternatively, this notification including the written documentation may be made in writing and sent by express mail so that it is received by the SMAQMD Air Pollution Control Officer at least 7 days prior to the refilling. **[Basis: 40 CFR Part 60 Subpart Kb Section 60.113b(a)(5)]**
At least thirty days prior to anticipated maintenance or replacement operations of primary or secondary seals that cause the emissions of volatile organic compounds.	C. A maintenance plan shall be submitted that states: i. Amount and type of emission anticipated ii. Method of calculating emissions iii. Reason that the work is necessary, including the effect of not performing the maintenance. **[Basis: SMAQMD Rule 446 Section 403]**
Within 30 days of the annual visual inspection required by Condition No. 12 where any equipment conditions described in Condition No. 12 are detected.	D. The report shall include the following: i. Identify the storage vessel ii. Nature of the defects iii. Date the storage vessel was emptied or the nature of and date the repair was made. **[Basis: 40 CFR Part 60 Subpart Kb Section 60.115b(a)(3)]**
Yearly (by January 30 of each year)	E. Report the number of years since the inspection required by Condition No. 13 was performed. **[Basis: SMAQMD Rule 201 Section 405]**

EMISSION REDUCTION CREDIT REQUIREMENTS

17. The following ROC emission reduction credits (ERCs) have been surrendered to offset the maximum allowable emissions in Condition No. 1.
[Basis: SMAQMD Rule 202]

Emission Reduction Credit Certificate No.	Face Value of ERC Certificates Surrendered lb/quarter				Offset Ratio	Value Applied to the Project ROC Emission Liability lb/quarter			
	Qtr 1	Qtr 2	Qtr 3	Qtr 4		Qtr 1	Qtr 2	Qtr 3	Qtr 4
SMAQMD 99-00585 JF Wilcox Lease ROC	616	616	617	617	1.5	411	411	411	411

V. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. 124

Emission Reduction Credit Certificate No.	Face Value of ERC Certificates Surrendered lb/quarter				Offset Ratio	Value Applied to the Project ROC Emission Liability lb/quarter			
	Qtr 1	Qtr 2	Qtr 3	Qtr 4		Qtr 1	Qtr 2	Qtr 3	Qtr 4
SMAQMD 99-00586 JF Wilcox Lease ROC	63	63	63	63	1.5	42	42	42	42
SMAQMD 99-00587 JF Wilcox Lease ROC	877	877	876	876	1.5	584	584	584	584
					Total	1,037	1,037	1,037	1,037

V. EQUIPMENT SPECIFIC REQUIREMENTS – LOADING RACK

A. EQUIPMENT DESCRIPTION: The information specified under this section is enforceable by the SMAQMD, U.S. EPA and the public.

The requirements specified under the following sections apply to the following equipment:

Loading Rack
P/O No.: 16163(rev2) (for reference purposes only - not federally enforceable)

Loading rack consisting of:

1. Fifteen gasoline loading spots with three pumps.

2. Eight diesel loading spots with one pump.

3. Associated piping to vent loading rack to APC Absorption/Carbon Adsorption Vapor Processing System.

4. Piping and components associated with the ethanol blending process at the loading rack.

B. EQUIPMENT SPECIFIC FEDERALLY ENFORCEABLE REQUIREMENTS: The requirements specified under this section are enforceable by the SMAQMD, U.S. EPA and the public.

EMISSION LIMIT REQUIREMENTS

1. The permittee shall not transfer or permit the transfer of organic liquids, with a vapor pressure greater than or equal to 0.5 psia under actual loading conditions, into any tank truck, trailer or railroad tank car unless the emissions to the atmosphere do not exceed 0.08 pounds of ROC per one thousand (1,000) gallons of organic liquids transferred.
[Basis: SMAQMD Rule 447]

2. ROC emissions from the loading of tank trucks at the loading rack shall not exceed the following limit:
[Basis: SMAQMD Rule 202]

Pollutant	Emission Factor (A)	Maximum Allowable Emissions (B) lb/quarter
ROC	0.08 lb/1000 gal	17,005

(A) Based on the emission rate limitation in Condition No. 1.
(B) Based on the maximum allowable fuel loading in Condition No. 4 and assuming 12.7% of the diesel fuel is switch loaded.

V. EQUIPMENT SPECIFIC REQUIREMENTS – LOADING RACK

3. Fugitive emissions from the following components associated with the loading rack shall not exceed the following limits:
[Basis: SMAQMD Rule 202]

Source	Number of Components	Emission Factor	Maximum Allowable ROC Emissions lb/quarter
Miscellaneous	N/A	0.02 lb/1000 gal (A)	4,251 (C)
Valves	121	4.3E-5 kg/hr-comp. (B)	25 (D)
Pump Seals	4	5.4E-4 kg/hr-comp. (B)	11 (D)
Fittings	473	8.0E-6 kg/hr-comp. (B)	18 (D)
Other Components	0	1.3E-4 kg/hr-comp. (B)	0 (D)

(A) Emission factor developed by the San Diego APCD and includes tank truck vent valves, overfills and spillage
(B) Emission factors from *Protocol For Equipment Leak Emission Estimates*, EPA-453/R-95-017, U.S. EPA, November 1995, Table 2-3, Marketing Terminal Screening Ranges Emission Factors.
(C) Based on 202.4 million gallons/quarter of gasoline and transmix plus 12.7% percent cross loading of 80 million gallons/quarter of diesel fuel.
(D) Component fugitive emissions based on 24 hours/day and 92 days/quarter.

EQUIPMENT OPERATION REQUIREMENTS

4. The total volume of organic liquids loaded through the Chevron and ConocoPhillips loading racks shall not exceed the following:
[Basis: SMAQMD Rule 202]

Fuel Type	Maximum Allowable Fuel Loading	
	gallons/day	gallons/quarter
Gasoline and transmix	2,200,000	202,400,000
Diesel	No limitation	80,000,000
Jet A	No limitation	80,000,000

5. The permittee shall not load organic liquids into any tank truck, trailer or railroad tank car unless the loading facility is equipped with a CARB certified vapor collection and disposal system.
[Basis: SMAQMD Rule 447]

V. EQUIPMENT SPECIFIC REQUIREMENTS – LOADING RACK

6. The loading rack shall be maintained leak free and vapor tight.

   A. Leak free is defined as a liquid leak of less than three drops per minute excluding losses which occur upon disconnecting transfer fittings, provided that such disconnect losses do not exceed one (1) fluid ounce, averaged over three disconnects.

   B. Vapor tight is defined as a concentration of total organic compounds, measured one (1) centimeter from any source, which does not exceed 10,000 ppm (expressed as methane) above background, as determined by U.S. EPA Method 21.

   [Basis: SMAQMD Rule 447]

7. Loadings of liquid product into gasoline tank trucks shall be limited to vapor tight gasoline tank trucks using the procedures of Condition Nos. 8-13.
   [Basis: 40 CFR Part 60 Subpart XX Section 60.502e]

8. The terminal owner or operator shall obtain the vapor tightness documentation described in Condition No. 21 for each gasoline tank truck which is to be loaded at the affected facility.
   [Basis: 40 CFR Part 60 Subpart XX Section 60.502e(1)]

9. The owner or operator shall require the tank identification number to be recorded as each gasoline tank truck is loaded at the affected facility.
   [Basis: 40 CFR Part 60 Subpart XX Section 60.502e(2)]

10. The terminal owner or operator shall cross-check each tank identification number obtained in Condition No. 9 with the vapor tightness documentation within 2 weeks after the corresponding tank is loaded, unless either of the following conditions is maintained:
    [Basis: 40 CFR Part 60 Subpart XX Section 60.502e(3)(i)]

    A. If less than an average of one gasoline tank truck per month over the last 26 weeks is loaded without vapor tightness documentation then the documentation cross-check shall be performed each quarter; or
       [Basis: 40 CFR Part 60 Subpart XX Section 60.502e(3)(i)(A)]

    B. If less than an average of one gasoline tank truck per month over the last 52 weeks is loaded without vapor tightness documentation then the documentation cross-check shall be performed semiannually.
       [Basis: 40 CFR Part 60 Subpart XX Section 60.502e(3)(i)(B)]

11. If either the quarterly or semiannual cross-check provided in Condition Nos. 10A and 10B reveal that these conditions are not being maintained, the source must return to bi-weekly monitoring until such time as these conditions are again met.
    [Basis: 40 CFR Part 60 Subpart XX Section 60.502e(3)(ii)]

12. The terminal owner or operator shall notify the owner or operator of each non-vapor tight gasoline tank truck loaded at the affected facility within 1 week of the documentation cross check in Condition No. 10.

V. EQUIPMENT SPECIFIC REQUIREMENTS – LOADING RACK

[Basis: 40 CFR Part 60 Subpart XX Section 60.502e(4)]

13. The terminal owner or operator shall take steps assuring that the non-vapor tight gasoline tank truck will not be reloaded at the affected facility until vapor tightness documentation for that tank truck is obtained.
    [Basis: 40 CFR Part 60 Subpart XX Section 60.502e(5)]

14. The terminal owner or operator shall act to assure that the loadings of gasoline tank trucks at the affected facility are made only into tanks equipped with vapor collection equipment that is compatible with the terminal's vapor collection system.
    [Basis: 40 CFR Part 60 Subpart XX Section 60.502f]

15. The terminal owner or operator shall act to assure that the bulk terminal's and the tank truck's vapor collection systems are connected during each loading of a gasoline tank truck at the affected facility. Examples of actions to accomplish this include training drivers in the hookup procedures and posting visible reminder signs at the affected loading racks.
    [Basis: 40 CFR Part 60 Subpart XX Section 60.502g]

16. A pressure measurement device (liquid manometer, magnahelic gauge, or equivalent instrument), capable of measuring up to 500 mm (19.7 in) of water gauge pressure with +/- 2.5 mm (0.1 in) of water precision, shall be calibrated and installed on the terminal's vapor collection system at a pressure tap as close as possible to the connection with the gasoline tank truck.
    [Basis: 40 CFR Part 60 Subpart XX Section 60.503(d)(1)]

17. The vapor collection equipment and liquid loading equipment shall be designed and operated to prevent gauge pressure in the delivery tank from exceeding 4,500 pascals [450 mm (17.7 inches) of water] during product loading.
    [Basis: 40 CFR Part 60 Subpart XX Section 60.502h]

18. No pressure-vacuum vent in the bulk gasoline terminal's vapor collection system shall begin to open at a system pressure less than 4,500 pascals [450 mm (17.7 inches) of water].
    [Basis: 40 CFR Part 60 Subpart XX Section 60.502i]

<u>MONITORING REQUIREMENTS</u>

19. The permittee shall continuously monitor and record the concentration of THC and methane in the exhaust stream of the APC Absorption/Carbon Adsorption Vapor Processing System whenever vapors from tank truck loading are being processed or Storage Tank No. 115 is vented to the control device.
    [Basis: SMAQMD Rule 202]

V. EQUIPMENT SPECIFIC REQUIREMENTS – LOADING RACK

20. The non-methane hydrocarbon (NMHC) concentration in the exhaust stream of the APC Absorption/Carbon Adsorption Vapor Processing System shall not exceed the following:
[Basis: SMAQMD Rule 202]

Equipment	Maximum Allowable Non-Methane Hydrocarbon Concentration (NMHC) ppmv as propane
Exhaust stream of the APC Absorption/Carbon Adsorption Vapor Processing System	5,000 (A)

(A) Calculated as the difference between the total hydrocarbon (THC) concentration and the methane concentration in the exhaust stream and averaged over a rolling three hour period

21. Each calendar month, the vapor collection system, the vapor processing system and each loading rack handling gasoline shall be inspected during the loading of the gasoline tank trucks for total organic compounds liquid or vapor leaks. For the purposes of this condition, detection methods incorporating sight, sound or smell are acceptable. Each detection of a leak shall be recorded and the source of the leak repaired within 15 calendar days after it is detected.
[Basis: 40 CFR Part 60 Subpart XX Section 60.502j]

22. A result by any of the below listed test methods which shows non-compliance with any provision of SMAQMD Rule 447 shall constitute a violation.

A. Control Device: Control efficiency and emission rates of control devices shall be determined by U.S. EPA Method 18, 25, 25A, 25B or CARB Method 202 or 203.

B. Diaphragm Airspace: Concentrations in the airspace above vapor diaphragms shall be determined by U.S. EPA Test Method 18 or CARB Test Method 150, 1-100, or 2-6.

C. Leak Detection: U.S. EPA Reference Method 21 shall be used to determine vapor tight conditions.

D. Vapor Pressure: Vapor pressure may be obtained from standard reference texts or may be determined by ASTM D-2879-83 or ASTM D-323-82.

E. Determination of Compounds Exempt from VOC Definition: If any of the perfluorocarbons are being claimed as exempt compounds, the person making the claim must state in advance which compounds are present, and the U.S. EPA approved test method used to make the determination of these compounds.

[Basis: SMAQMD Rule 446]

V. EQUIPMENT SPECIFIC REQUIREMENTS – LOADING RACK

RECORDKEEPING REQUIREMENTS

23. The following record shall be continuously maintained onsite for the most recent five year period and shall be made available to the SMAQMD Air Pollution Control Officer upon request. Quarterly and yearly records shall be made available for inspection within 30 days of the end of the reporting period.
[Basis: SMAQMD Rule 202]

Frequency	Information to be recorded
At all times	A. Tank vapor tightness documentation required by Condition No. 8. **[Basis: 40 CFR Part 60 Subpart XX Section 60.505a]** B. Documentation of all notifications required under Condition No. 12. **[Basis: 40 CFR Part 60 Subpart XX Section 60.505d]** C. A record of all replacements or additions of components performed on an existing vapor processing system. **[Basis: 40 CFR Part 60 Subpart XX Section 60.505f]** D. Maintain a record of the calculations in 40 CFR 63.420 (a)(1), including methods, procedures and assumptions supporting the calculations for determining criteria in 40 CFR 63.420(d). (The facility calculations are described in Attachment A.) **[Basis: 40 CFR Part 63 Subpart R Section 63.428(j)(2)]**
Whenever THC and methane concentrations are required to be monitored by Condition No. 19.	E. Continuous THC concentration data. (ppmv as propane) F. Continuous NMHC concentration data. (ppmv as propane) G. Rolling three hour average NMHC concentration. (ppmv as propane)

V. EQUIPMENT SPECIFIC REQUIREMENTS – LOADING RACK

Frequency	Information to be recorded
At least once per year	H. The documentation file for each gasoline tank truck shall be updated at least once per year to reflect current test results as determined by California Air Resources Board Certification and Test Procedures for Vapor Recovery Systems of Gasoline Delivery Tanks. I. This documentation shall include, as a minimum, the following information: i. Test title: California Air Resources Board Certification and Test Procedures for Vapor Recovery Systems of Gasoline Delivery Tanks. ii. Tank owner and address. iii. Tank identification number. iv. Testing location. v. Date of test. vi. Tester name and signature. vii. Witness inspector, if any: name, signature and affiliation. viii. Test results: average pressure change in 5 minutes, mm of water (average for 2 runs). **[Basis: 40 CFR Part 60 Subpart XX Section 60.505b but using CARB test methods in lieu of federal procedures]**
Daily	J. Volume of gasoline and transmix loaded through the Chevron and ConocoPhillips loading racks (gallons/day).

V. EQUIPMENT SPECIFIC REQUIREMENTS – LOADING RACK

Frequency	Information to be recorded
Monthly	K. A record of each monthly leak inspection required by Condition No. 19 shall be kept on file at the bulk terminal. Inspection records shall include, as a minimum, the following information: i. Date of inspection. ii. Findings (may indicate no leaks discovered or nature, location and severity of each leak). iii. Leak determination method. iv. Corrective action (date each leak repaired and reasons for any repair interval in excess of 15 days). v. Inspector name and signature. **[Basis: 40 CFR Part 60 Subpart XX Section 60.505c]**
Quarterly	L. Volume of diesel loaded through the Chevron and ConocoPhillips loading racks (gallons/quarter). M. Volume of gasoline and transmix loaded through the Chevron and ConocoPhillips loading racks (gallons/quarter).

REPORTING AND NOTIFICATION REQUIREMENTS

24. The following report shall be submitted to the SMAQMD Air Pollution Control Officer by the specified dates:

Frequency	Information to be included in the report
Quarterly by: Jan 31 Apr 30 July 31 Oct 31	A. The quarterly written report of excess emissions shall include the following: i. The magnitude of excess NMHC emissions in units of ppmv as propane and pounds per hour and the date and time of commencement and completion of each time period of excess emissions. ii. The date and time identifying each period during which the CEM system was inoperative, except for zero and span checks, and the nature of the system repairs or adjustments. iii. When no excess emissions have occurred or the CEM

V. EQUIPMENT SPECIFIC REQUIREMENTS – LOADING RACK

Frequency	Information to be included in the report
	system has not been inoperative, repaired or adjusted, such information shall be stated in the report. iv. Excess emissions are defined as any rolling three hour period during which the average NMHC concentration exceeds the limit of Condition No. 20.

25. The following notification shall be submitted to the SMAQMD Air Pollution Control Officer when applicable.
[Basis: SMAQMD Rule 202]

Frequency	Information to be included
Whenever any malfunction of the CEM system or breakdown of the air pollution control equipment occurs	A. Notify the SMAQMD Air Pollution Control Officer as required by SMAQMD Rule 602 - Breakdown Conditions: Emergency Variance.
When 40 CFR 63 Subpart R parameters are modified	B. At any time prior to any of the parameters being exceeded, the owner or operator shall notify the SMAQMD Air Pollution Control Officer of modifications to the facility parameters. Each such notification shall document any expected HAP emission change resulting from the change in parameter. (The facility parameters are described in Attachment A.) **[Basis: 40 CFR Part 63 Subpart R Section 63.428(j)(3)]**

EMISSION TESTING REQUIREMENTS

26. An emission test shall be conducted each calendar year to demonstrate compliance with the ROC limitation in Condition No. 1.

    A. Submit a Source Test Plan to the SMAQMD Air Pollution Control Officer for approval at least 30 days before the source test is to be performed.

    B. Notify the SMAQMD Air Pollution Control Officer at least 7 days prior to the source test date if the date has changed from that approved in the Source Test Plan.

    C. Submit the Source Test Report to the SMAQMD Air Pollution Control Officer within 60 days from the completion of the source test.

    D. Operation of the facility at maximum permitted throughput during the source test is not required.

V. EQUIPMENT SPECIFIC REQUIREMENTS – LOADING RACK

[Basis: SMAQMD Rule 202]

V. EQUIPMENT SPECIFIC REQUIREMENTS – LOADING RACK

ATTACHMENT A

Listing of Facility Parameters

Used to Determine the Applicability of the Requirements of 40 CFR 63 Subpart R
National Emission Standards for Hazardous Air Pollutants (NESHAP)
for Gasoline Distribution Facilities

ET = emissions screening factor for bulk gasoline terminals

= $CF[0.59(TF)(1-CE) + 0.17(TE) + 0.08(TES) + 0.038(TI) + 8.5x10^{-6}(C)+ KQ] + 0.04(OE)$

= 0.16

Where the following **facility parameters** are used:

CF	=	0.161	for bulk gasoline terminals that do not handle oxygenated gasoline containing MTBE.
TF	=	1	total number of fixed roof gasoline storage tanks without an internal floating roof.
CE	=	0.99	federally enforceable control efficiency of vapor processing unit for fixed roof tanks.
TE	=	0	total number of external floating roof gasoline storage tanks with only primary seals.
TES	=	0	total number of external floating roof gasoline storage tanks with primary and secondary seals.
TI	=	3	total number of fixed roof gasoline storage tanks with an internal floating roof.
C	=	2076	number of valves, pumps, connectors, loading arm valves, and open-ended lines in gasoline service.
K	=	(4.5x10-9)(EF+L)	for bulk gasoline terminals with controlled loading racks.
EF	=	9.58	federal enforceable emission standard for vapor processor outlet emissions (mg VOC/liter of gasoline equivalent to 0.08 lb/1000 gallons).
L	=	13	mg/l for vapor tight gasoline cargo tanks. (meeting the definition in 40 CFR Part 60.501 - less than 75 mm of water decay from 450 mm of water pressure in 5 minutes)
Q	=	8,326,471	gasoline throughput limit (liters/day equivalent to 2,200,000 gallons/day).
OE	=	0.07	HAP emissions from other sources of at the facility (tons/year).

V. EQUIPMENT SPECIFIC REQUIREMENTS – APC ABSORPTION/CARBON ADSORPTION VAPOR PROCESSING SYSTEM

A. EQUIPMENT DESCRIPTION: The information specified under this section is enforceable by the SMAQMD, U.S. EPA and the public.

The requirements specified under the following sections apply to the following equipment:

APC Absorption/Carbon Adsorption Vapor Processing System

P/O No.:	20328 (for reference purposes only - not federally enforceable)
Manufacturer:	John Zink
Model No.:	AA-2475-12-10
Type:	Absorption and carbon adsorption
Capacity:	12,700 gallons/minute 312,800 gallons/hour 4,100,000 gallons/day
Venting:	1. Loading rack at Chevron 2. Loading rack at ConocoPhillips 3. Transmix Tank No. 115
CEMS:	Continuous Emission Monitoring System - Manufacturer: Infrared Industries Model No.: IR8400D Serial No.: 2031 Type: NDIR Measuring: THC (ppmv as propane) Methane (ppmv as propane) Calculating: NMHC (ppmv as propane) NMHC (ppmv as propane), rolling 3-hour average

B. EQUIPMENT SPECIFIC FEDERALLY ENFORCEABLE REQUIREMENTS: The requirements specified under this section are enforceable by the SMAQMD, U.S. EPA and the public.

EMISSION LIMIT REQUIREMENTS

1. There are no emission limits associated with this air pollution control device because it does not cause air pollutants from its operation. But there are related emission limits in the Permits to Operate for the loading racks controlled by this air pollution control device [Chevron (P/O 16163(rev2)) and ConocoPhillips (P/O 15024)].
   [Basis: SMAQMD Rule 202]

EQUIPMENT OPERATION REQUIREMENTS

2. The THC/Methane CEM system shall be properly maintained, operated and calibrated at all times.
   [Basis: SMAQMD Rule 202]

V. EQUIPMENT SPECIFIC REQUIREMENTS – APC ABSORPTION/CARBON ADSORPTION VAPOR PROCESSING SYSTEM

3. The THC/Methane CEM system shall be operated in compliance with the quality assurance plan approved by the SMAQMD Air Pollution Control Officer.
   [Basis: SMAQMD Rule 202]

4. All equipment associated with the APC Absorption/Carbon Adsorption Vapor Processing System shall be maintained to be leak free and vapor tight as defined in SMAQMD Rule 447 Sections 207 and 210.
   [Basis: SMAQMD Rule 202]

MONITORING REQUIREMENTS

5. There are no monitoring requirements associated with this air pollution control device, but there are related monitoring requirements in the Permits to Operate for the loading racks controlled by this air pollution control device [Chevron (P/O 16163(rev2)) and ConocoPhillips (P/O 15024)].
   [Basis: SMAQMD Rule 202]

RECORDKEEPING AND REPORTING REQUIREMENTS

6. There are no recordkeeping requirements associated with this air pollution control device, but there are related recordkeeping requirements in the Permits to Operate for the loading racks controlled by this air pollution control device [Chevron (P/O 16163(rev2)) and ConocoPhillips (P/O 15024)].
   [Basis: SMAQMD Rule 202]

CEM SYSTEM ACCURACY TESTING REQUIREMENTS

7. A test shall be conducted each calendar year to verify the accuracy of the THC/Methane CEM system:

   A. Submit a THC/Methane CEM System Accuracy Test Plan to the SMAQMD Air Pollution Control Officer for approval at least 30 days before the test is to be performed.

   B. Notify the SMAQMD Air Pollution Control Officer at least 7 days prior to the THC/methane CEM system accuracy test date if the date has changed from that approved in the test plan.

   C. Submit the THC/methane CEM System Accuracy Test Report to the SMAQMD Air Pollution Control Officer within 60 days from the completion of the test.

   D. Operation of the facility at maximum permitted throughput during the THC/NMHC CEM accuracy test is not required.

   [Basis: SMAQMD Rule 202]

VI. INSIGNIFICANT EMISSIONS UNITS

The following systems are considered insignificant emissions units and are not subject to equipment specific requirements. However, these units are required to comply with all applicable general requirements:

Equipment Description	Basis for Exemption
Storage Tank No.111	SMAQMD Rule 201 Section 117.2 Initial boiling point > 150 degrees C
Storage Tank No.116	
Storage Tank No.117	
Storage Tank No.118	
Storage Tank No.119	
Storage Tank No.120	
Storage Tank No.121	
Storage Tank No.126	
Storage Tank No.127	
Oil-water separator No. 1 Oil-water separator No. 2	SMAQMD Rule 201 Section 122 Other equipment deemed by the SMAQMD Air Pollution Control Officer and which would emit any pollutants without the benefit of air pollution control devices less than 2 pounds in any 24 hour period.
Fugitive ROC leak components such as valves, flanges, pump seals and other fittings	

VII. ACRONYMS, ABBREVIATIONS AND UNITS OF MEASURE

Acronyms, abbreviations and units of measure used in this permit are defined as follows:

ASTM
American Society for Testing and Materials

BACT
Best Available Control Technology.

CAA
The federal Clean Air Act.

CARB
California Air Resources Board.

CFC
Chloro-fluoro-carbons. A class of compounds responsible for destroying ozone in the upper atmosphere.

CFR
The Code of Federal Regulations. 40 CFR contains the implementing regulations for federal environmental statutes such as the Clean Air Act. Parts 50-99 of 40 CFR contain the requirements for air pollution programs.

CO
Carbon monoxide.

CO2
Carbon dioxide.

ERC
Emission reduction credit.

Federally Enforceable
All limitations and conditions which are enforceable by the Administrator of the U.S. EPA including those requirements developed pursuant to 40 CFR Part 51, Subpart I (NSR), Part 52.21 (PSD), Part 60 (NSPS), Part 61 (NESHAPs), Part 63 (HAP) and Part 72 (Permits Regulation, Acid Rain) including limitations and conditions contained in operating permits issued under a U.S. EPA approved program that has been incorporated into the California SIP.

NESHAP
National Emission Standards for Hazardous Air Pollutants (see 40 CFR Parts 61 and 63).

NOx
Nitrogen oxides.

VII. ACRONYMS, ABBREVIATIONS AND UNITS OF MEASURE

NSPS
New Source Performance Standards. U.S. EPA standards for emissions from new stationary sources. Mandated by Title I, Section 111 of the federal Clean Air Act and implemented by 40 CFR Part 60 and SMAQMD Regulation 8.

NSR
New Source Review. A federal program for pre-construction review and permitting of new and modified sources of pollutants for which criteria have been established in accordance with Section 108 of the Federal Clean Air Act. Mandated by Title I of the federal Clean Air Act and implemented by 40 CFR Parts 51 and 52 and SMAQMD Rule 202. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

O2
Oxygen.

Offset Requirement
A New Source Review requirement to provide federally enforceable emission offsets for the emissions from a new or modified source. Applies to emissions of ROC, NOx, SO2 and PM10.

PM
Particulate matter.

PM10
Particulate matter with aerodynamic equivalent diameter of less than or equal to 10 microns.

PSD
Prevention of Significant Deterioration. A federal program for permitting new and modified sources of those air pollutants for which the SMAQMD is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the federal Clean Air Act and implemented by 40 CFR Part 52.

ROC
Reactive organic compounds.

SIP
State Implementation Plan. CARB and SMAQMD programs and regulations approved by U.S. EPA and developed in order to attain the National Air Ambient Quality Standards. Mandated by Title I of the federal Clean Air Act.

SMAQMD
Sacramento Metropolitan Air Quality Management District.

SO2
Sulfur dioxide.

THC
Total hydrocarbons

VII. ACRONYMS, ABBREVIATIONS AND UNITS OF MEASURE

Title V
Title V of the federal Clean Air Act. Title V requires the SMAQMD to operate a federally enforceable operating permit program for major stationary sources and other specified sources.

TSP
Total suspended particulate.

U.S. EPA
The federal Environmental Protection Agency.

VOC
Volatile Organic Compounds.

UNITS OF MEASURE:

BTU	=	British Thermal Unit
cfm	=	cubic feet per minute
cm	=	centimeter
g	=	grams
gal	=	gallon
gpm	=	gallons per minute
hp	=	horsepower
hr	=	hour
lb	=	pound
in	=	inch
kg	=	kilogram
max	=	maximum
m2	=	square meter
min	=	minute
mm	=	millimeter
MM	=	million
ppmv	=	parts per million by volume
ppmw	=	parts per million by weight
psia	=	pounds per square inch, absolute
psig	=	pounds per square inch, gauge
quarter	=	calendar quarter
RVP	=	Reid vapor pressure
scfm	=	standard cubic feet per minute
yr	=	year