777 12th Street 3rd Floor
Sacramento, CA 95814

SACRAMENTO METROPOLITAN AIR QUALITY MANAGEMENT DISTRICT

(916) 874-4800

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

TITLE V PERMIT NO:
TV2012-04-02A

PERMIT ISSUED:	PERMIT LAST AMENDED:	PERMIT EXPIRES:
TBD, 2018	NA	TBD, 2023

ISSUED TO:

SFPP, L.P. Bradshaw Terminal

1100 Town and Country
Orange, CA 92868

PLANT SITE LOCATION:

2901 Bradshaw Road
Sacramento, CA 95827

RESPONSIBLE OFFICIAL:

D. Scott Manley
Director of Operations
(707) 438-2100

CONTACT PERSON:

Clay Westlake
Area Manager
(916) 369-9770

NATURE OF BUSINESS:

Bulk Gasoline Terminal

STANDARD INDUSTRIAL CLASSIFICATION (SIC):

4226

Alberto Ayala, PH.D., M.S.E.
SMAQMD Air Pollution Control Officer

by: _____
Isam Boulad
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/ Amended 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SMAQMD Rule 202	New Source Review (SIP approval of 11-20-1984 rule version was withdrawn on 08-19-2011)	11-20-1984	No
SMAQMD Rule 202	New Source Review (This rule version is not SIP approved.)	08-23-2012	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 214	Federal New Source Review	08-23-2012	Yes

I. PERMIT SUMMARY

Citation	Description	Rule Adoption/ Amended Date	Federally Enforceable ?
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
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 466	Solvent Cleaning	10-28-2010	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

I. PERMIT SUMMARY

Citation	Description	Rule Adoption/ Amended Date	Federally Enforceable ?
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
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 for Source Category: Gasoline Distribution Bulk Terminals, Bulk Plants and Pipeline Facilities [40 CFR 63 Subpart BBBBBB (begin at 63.11080)]	01-24-2011 (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 SFPP, L.P. Bradshaw Terminal:

Permit Action	Date	Permit No.
Initial Title V Federal Operating Permit issued. 1st Minor Modification.	06-18-1998 10-26-1999	TV1996-04-01 TV1996-04-02
1st Permit Renewal. 1st Minor Modification. 2nd Minor Modification.	01-07-2003 07-11-2005 06-11-2007	TV2002-04-01 TV2002-04-02 TV2002-06-03
2nd Permit Renewal 1st Minor Modification. 1st Administrative Amendment.	01-07-2008 07-02-2009 12-13-2010	TV2007-04-01 TV2007-04-02 TV2007-04-02A
3rd Permit Renewal 1st Administrative Amendment. 2nd Administrative Amendment. 3rd Administrative Amendment. 1st Minor Modification. 4th Administrative Amendment.	01-07-2012 07-02-2012 11-21-2013 09-21-2015 10-02-2015 05-02-2017	TV2012-04-01 TV2012-04-01A TV2012-04-01B TV2012-04-01C TV2012-04-02 TV2012-04-02A

Current Permitting Actions

This permit action is the 3rd renewal of the Title V Federal Operating Permit, 2 Minor Modifications, and 4 Administrative Modification and will be assigned the permit number TV2012-04-02. The 1st Minor Modification (TV2007-04-02) was to replace the existing mechanical shoe primary seal with a rim-mounted steel compression plate secondary seal on Tank B-4 (P/O 20175) with a new mechanical shoe primary seal with a rim-mounted steel compression plate secondary seal. The new replacement seals are the same type and design. The maximum capacity of the storage tank will remain the same before and after the seal replacement.

The 2nd Minor Modification (TV2012-04-02) was to add a parts washer to the Exempt Source Table in Appendix A, under section 118.3. The parts washer is an enclosed, 40 gallon tub utilizing a solvent with a boiling point above 221 ºF. It is therefore exempt under Rule 201-11.83 and Rule 441-202.

Furthermore, four Administrative Amendments have also been received for changes to the Responsible Official and the Plant Site Contact person listed under the Title V permit (TV2007-04-02A, TV2012-04-01A, TV2012-04-01B, and TV2012-04-01C). These will also be incorporated into this permit renewal.

Facility Description

SFPP, L.P. (SFPP), Bradshaw Terminal was constructed and placed into service in 1957. Bradshaw Terminal receives refined fuels via SFPP's 10" pipeline. These fuels are held

II. FACILITY DESCRIPTION

temporarily in storage tanks and then loaded into tank trucks to resupply surrounding retail gas stations and public/private businesses. Additional product can be transferred by 4" pipeline to the property that was formally Mather Air Force Base but is now a non-military airport. The petroleum products stored and dispensed at Bradshaw Terminal are not owned by SFPP. SFPP only stores and provides tank truck loading equipment for the amount of petroleum products requested by the companies that use its services.

The primary air pollutant emissions from the Bradshaw Terminal are volatile organic compounds (VOCs) from the evaporation of gasoline. The main sources of these emissions, all characterized as fugitive emissions, are the storage tanks, loading racks, thermal oxidizer and pipe connectors and fittings.

The gasoline storage tanks are equipped with either floating roofs with rim seals or fixed roofs with floating pans and rim seals to reduce the evaporation of gasoline and therefore reduce ROC emissions.

During tank truck loading, the displaced gasoline vapors (VOCs) are captured and conveyed through vapor piping to the terminal's vapor processing system where the vapors are finally destroyed in the thermal oxidizer unit.

III. FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

TITLE V PERMIT MODIFICATIONS AND RENEWAL

1. The owner or operator of a stationary source must submit to the SMAQMD Air Pollution Control Officer a complete Title V permit application for renewal no later than 12 months prior to the expiration date of the Title V permit by no later **four years from issuance date of this permit**.
   [Basis: SMAQMD Rule 207 Section 301.4]

2. The owner or operator of a stationary source must submit to the SMAQMD Air Pollution Control Officer a complete Title V permit application for minor Title V permit modification. The application must be submitted after receiving any required preconstruction permit from the SMAQMD and before commencing operation associated with the Minor Title V permit modification.

   A. In lieu of the above, the owner or operator may request the Enhanced New Source Review process for a new source or a modified source permit application in accordance with SMAQMD Rule 202 Section 101.1 and SMAQMD Rule 214 Section 101.1.

   [Basis: SMAQMD Rule 207 Section 301.6, Rule 202 Section 101.1 and Rule 214 Section 101.1]

3. The owner or operator of a stationary source must submit to the SMAQMD Air Pollution Control Officer a complete Title V permit application for Significant Title V permit modification. The application must 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.

   A. In lieu of the above, the owner or operator may request the Enhanced New Source Review process for a new source or a modified source permit application in accordance with SMAQMD Rule 202 Section 101.1 and SMAQMD Rule 214 Section 101.1. 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, Rule 202 Section 101.1 and Rule 214 Section 101.1]

4. The applicant must 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 must 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 Air Pollution Control Officer of such incorrect submittal.
   [Basis: SMAQMD Rule 207 Section 302.2]

III. FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

6. The applicant must 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 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 Sections 303.1(a), (b), (c), and (d) of Rule 207, 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]

8. Any Title V application form, report, or compliance certification submitted pursuant to a federally enforceable requirement in this permit must contain certification by a responsible official. The certification must 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 must have a 5-year fixed term from the date of issuance. The Title V permit must 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 Sections 411 or 412 of Rule 207, and the Title V permit is renewed according to the administrative procedures listed in Sections 401 through 408 of Rule 207.
   [Basis: SMAQMD Rule 207 Section 306]

PERMIT COMPLIANCE

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

11. It must not be a defense for a permit holder 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 permit holder must 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 permit holder must 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 permit holder 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)]

III. FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

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 must also be a violation of 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)]

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 permit holder must 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]

REPORTS AND RECORD KEEPING

18. **Monitoring Reports**

    SMAQMD Monitoring Reports

    A. The permit holder must 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.

    B. The reporting periods for this permit must be for the six month periods January 1 through June 30 and July 1 through December 31. The reports must be submitted by July 30 and January 30 of each year respectively.

III. FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

C. All instances of deviations from Title V permit conditions must be clearly identified in such reports. All required reports must be certified by the responsible official and must 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]

19. **Compliance Reports**

A. The permit holder must 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 must be January 1 through December 31. The report must be submitted by January 30 of each year.

C. All required reports must be certified by the responsible official and must 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 must 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 permit for the period covered by the certification, including whether compliance during the period was continuous or intermittent. The certification must be based on the method or means designated in Section D(ii) of this condition. The certification must identify each deviation and take it into account in the compliance certification.

a. If an emissions unit is subject to 40 CFR 64 Compliance Assurance Monitoring then the certification must also identify as possible exceptions to compliance any periods during which compliance is required and in which an excursion or exceedance as defined under 40 CFR 64 of this chapter occurred

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

III. FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

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 and 40 CFR 70.6(c)(5)]

E. The permit holder must submit to US EPA Region 9 every six months a semiannual compliance report which includes all of the information identified in 40 CFR 63.11095(a).

F. At the time the semiannual report mentioned in E. above is submitted, the permit holder must also submit to US EPA Region 9 an excess emissions report which includes all of the information identified in 40 CFR 63.11095(b).

G. The permit holder must also submit to US EPA Region 9 every six months a malfunction report which includes all of the information identified in 40 CFR 63.11095(d); this report may be submitted as a part of the semiannual compliance report.

[Basis: 40 CFR 63.11095]

20. The permit holder must 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 permit holder must notify the SMAQMD Air Pollution Control Officer by telephone (within 24 hours) followed by a written statement (within 2 working days) describing the nature of the deviation from the federally enforceable permit condition.
[Basis: SMAQMD Rule 207 Section 501.3]

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 102, a person must 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]

III. FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

PARTICULATE MATTER

23. A person must 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 must 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 25, a person must 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]

25. A person must 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 corrected to 12% carbon dioxide (CO2) at standard conditions.
    [Basis: SMAQMD Rule 406]

SULFUR COMPOUNDS

26. A person must 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 must 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 AND SOLVENT CLEANING

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

III. FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

29. All VOC-containing materials used for architectural coating, including clean-up, must 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 Section 304 (09-05-1996 version)]

30. The permit holder must comply with the requirements of SMAQMD Rule 466 Solvent Cleaning when using volatile organic compounds for the cleanup of architectural coating application equipment or for other applications of solvent cleaning at the facility.
[Basis: SMAQMD Rule 466 (10-28-2010 version)]

31. The permit holder must 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 limits of SMAQMD Rule 442.
[Basis: SMAQMD Rule 442 (09-05-1996 version) and Rule 207 Section 305]

PERMIT COMPLIANCE

32. Compliance with the conditions of the Title V permit must be deemed compliance with all applicable requirements identified in the Title V permit.
[Basis: SMAQMD Rule 207 Section 307]

EQUIPMENT BREAKDOWNS

33. 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 must be demonstrated through properly signed, contemporaneous operating logs, or other relevant evidence that:

        i. An emergency occurred and that the permit holder 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 permit holder took all reasonable steps to minimize levels of emissions that exceeded the emission standards, or other requirements in the Title V permit;

        iv. The permit holder 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.

III. FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

B. In any enforcement proceedings, the permit holder seeking to establish the occurrence of an emergency has the burden of proof.
[Basis: SMAQMD Rule 207 Section 414]

34. The permit holder must 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, the report of the emergency must be made at the commencement of the next regular working day. The notification must 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

35. 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 must be based on the actual hours spent by the SMAQMD staff in evaluating the application and processing the operating permit. The fee must be assessed in accordance with the hourly rate established in SMAQMD Rule 301 Section 308.12.
[Basis: SMAQMD Rule 207 Section 305.7 and Rule 301 Section 313]

36. After the provisions for granting permits as set forth in SMAQMD Rule 207 have been complied with, the permit holder 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 must be increased by one half the amount and the applicant/permit holder must 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/permit holder will be notified by mail.
[Basis: SMAQMD Rule 207 Section 305.7]

CLEAN AIR ACT FEES

37. 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 permit holder, operating any major stationary source of VOC or NOx, must pay the Clean Air Act fees specified by the SMAQMD Air Pollution Control Officer in accordance with SMAQMD Rule 307.
[Basis: SMAQMD Rule 307]

EMISSION STATEMENTS

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

III. FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

ACCIDENTAL RELEASES

39. If the facility becomes subject to Section 112(r) of the CAA and 40 CFR Part 68, the permit holder must register and submit to the 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 68.130. The list of substances, threshold quantities and accident prevention regulations promulgated under Part 68 do not limit in any way the general duty provisions under Section 112(r)(1).
[Basis: 40 CFR Part 68]

40. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permit holder must comply with the requirements of 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 Part 68]

41. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permit holder must 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 Part 68]

42. If subject to Section 112(r) of the CAA and 40 CFR Part 68, the permit holder must annually certify compliance with all applicable requirements of Section 112(r) as part of the annual compliance certification as required by Section 413.4 of Rule 207.
[Basis: 40 CFR Part 68]

TITLE VI REQUIREMENTS (OZONE DEPLETING SUBSTANCES)

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

44. 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 Section 82.158.
[Basis: 40 CFR Part 82 Subpart F]

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

III. FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

ASBESTOS

46. The permit holder must comply with all requirements of 40 CFR 61 Subpart M National Emission Standard for Asbestos
[Basis: 40 CFR Part 61 Subpart M National Emission Standard for Asbestos]

PERMIT SHIELD

47. The permit holder is not subject to emission requirements when a tank is being emptied, degased, or during sludge removal if the process is conducted by an independent third party contractor and the contractor obtains all required permits from the SMAQMD and/or CARB prior to the process being conducted.
[Basis: SMAQMD Rule 207, Section 307]

48. The floating roof of an external floating roof tank or internal roof of an internal floating roof tank 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 without creating a safety hazard.
[SMAQMD Rule 446 Section 311 and SMAQMD Rule 207 Section 307]

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 part of the Title V permit.
   [Basis: General Rule limitation]

LOCAL PERMIT RENEWAL:

2. Permits to Operate issued to the permit holder, pursuant to SMAQMD Rule 201 (non-Title V Permits to Operate), must be renewed annually on April 1 and upon payment of the permit renewal fee established pursuant to SMAQMD Rule 301.
   [Basis: SMAQMD Rule 301]

3. The SMAQMD Air Pollution Control Officer must 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 must 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 must revise the conditions, if such conditions are not consistent, in accordance with all applicable rules and regulations.
   [Basis: California Health and Safety Code Section 42301(c)]

GENERAL

4. The SMAQMD Air Pollution Control Officer and/or authorized representatives, upon the presentation of credentials must 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.
   [Basis: SMAQMD Rule 201, Section 405]

5. Legible copies of all SMAQMD Rule 201 Permits to Operate must be maintained on the premises with the equipment.
   [Basis: SMAQMD Rule 201, Section 401]

IV. *NON*-FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

EQUIPMENT OPERATION:

6. The equipment must be properly maintained.
   [Basis: SMAQMD Rule 201, Section 405]

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 Code of the State of California or the Rules and Regulations of the SMAQMD.
   [Basis: SMAQMD Rule 201, Section 405]

EQUIPMENT BREAKDOWNS:

8. The permit holder must notify the SMAQMD Air Pollution Control Officer of any occurrence which constitutes a breakdown as defined in Section 201 of Rule 602 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 must be made at the commencement of the next regular working day. The notification must identify the time, specific location, equipment involved, and to the extent known the cause(s) of the occurrence.
   [Basis: SMAQMD Rule 602]

9. Upon notification of the breakdown condition, the SMAQMD Air Pollution Control Officer must 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 Air Pollution Control Officer may take appropriate enforcement action.
   [Basis: SMAQMD Rule 602]

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 must be 96 hours) will constitute a violation of any applicable emission limitation or restriction prescribed by these 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 Section 301.1 of Rule 602 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 will 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

IV. *NON*-FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

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

[Basis: SMAQMD Rule 602]

11. An occurrence which constitutes a breakdown condition must 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 will be 96 hours), unless an emergency variance has been obtained.
[Basis: SMAQMD Rule 602]

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 will 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.
[Basis: SMAQMD Rule 602]

13. No emergency variance must be granted unless the chairperson of the SMAQMD Hearing Board or other designated member(s) of the 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 Health and 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.

    [Basis: SMAQMD Rule 602]

14. At any time after an emergency variance has been granted, the SMAQMD Air Pollution Control Officer may request for good cause that the 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 must govern any further proceedings conducted under this section.
[Basis: SMAQMD Rule 602]

15. An emergency variance must 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.
[Basis: SMAQMD Rule 602]

IV. *NON*-FEDERALLY ENFORCEABLE GENERAL REQUIREMENTS

16. Within one week after a breakdown condition has been corrected, the owner or operator must 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.
    [Basis: SMAQMD Rule 602]

17. The burden of proof must be on the owner or operator of the source to provide sufficient information to demonstrate that a breakdown did occur. If the owner or operator fails to provide sufficient information, the SMAQMD Air Pollution Control Officer must undertake appropriate enforcement action.
    [Basis: SMAQMD Rule 602]

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 will constitute a separate violation of this rule.
    [Basis: SMAQMD Rule 602]

19. It will constitute a separate violation of this rule 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.
    [Basis: SMAQMD Rule 602]

20. Severability - if any provision, clause, sentence, paragraph, section or part of these conditions for any reason is judged to be unconstitutional or invalid, such judgment must not affect or invalidate the remainder of these conditions.
    [Basis: SMAQMD Rule 101]

ARCHITECTURAL COATINGS

21. Unless applied by an aerosol can or contained within a volume of one liter or less any person who supplies, sells, offers for sale or manufactures any architectural coating for use within the SMAQMD, as well as any person who applies or solicits the application of any architectural coating within the SMAQMD must meet the requirements of SMAQMD Rule 442.
    [Basis: SMAQMD Rule 442 (05-24-2001 version)]

V-A. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NOS. B-1, B-2, B-3, B-4, B-5 AND B-8

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. B-1

P/O No.:	1387 (for reference purposes only - not federally enforceable)
Safe Working Capacity:	1,985,424 gallons
Dimensions:	100' diameter x 40' high
Roof type:	External floating roof
Primary Seal type:	Mechanical shoe
Secondary Seal type:	Rim mounted wiper (installed 2003)
Content:	Organic liquids with True Vapor Pressure less than 11 psia

Storage Tank No. B-2

P/O No.:	1388 (for reference purposes only - not federally enforceable)
Safe Working Capacity:	1,985,298 gallons
Dimensions:	100' diameter x 40' high
Roof type:	External floating roof
Primary Seal type:	Mechanical shoe
Secondary Seal type:	Rim mounted wiper (installed 2002)
Content:	Organic liquids with True Vapor Pressure less than 11 psia

Storage Tank No. B-3

P/O No.:	1389 (for reference purposes only - not federally enforceable)
Safe Working Capacity:	1,978,326 gallons
Dimensions:	100' diameter x 40' high
Roof type:	External floating roof
Primary Seal type:	Mechanical shoe
Secondary Seal type:	Rim mounted wiper (installed 1994)
Content:	Organic liquids with True Vapor Pressure less than 11 psia

Storage Tank No. B-4

P/O No.:	20715 (for reference purposes only - not federally enforceable)
Safe Working Capacity:	1,986,390 gallons
Dimensions:	100' diameter x 40' high
Roof type:	External floating roof
Primary Seal type:	Mechanical shoe
Secondary Seal type:	Rim mounted wiper (installed 1994)
Content:	Organic liquids with True Vapor Pressure less than 11 psia

V-A. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NOS. B-1, B-2, B-3, B-4, B-5 AND B-8

Storage Tank No. B-5

P/O No.:	14110 (for reference purposes only - not federally enforceable)
Safe Working Capacity:	630,000 gallons
Dimensions:	52' diameter x 40' high
Roof type:	External floating roof
Primary Seal type:	Mechanical shoe
Secondary Seal type:	Rim mounted wiper (installed 1999)
Content:	Organic liquids with True Vapor Pressure less than 11 psia

Storage Tank No. B-8

P/O No.:	11845 (for reference purposes only - not federally enforceable)
Safe Working Capacity:	1,079,862 gallons
Dimensions:	73.3' diameter x 40' high
Roof type:	External floating roof
Primary Seal type:	Mechanical shoe
Secondary Seal type:	Rim mounted wiper (installed 1995)
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. VOC emissions from the following Storage Tanks shall not exceed the following: **[Basis: SMAQMD Rule 202]**

Storage Tank No.	VOC Emission Limits pounds/quarter
B-1	No limitation
B-2	No limitation
B-3	No limitation
B-4	No limitation
B-5	No limitation
B-8	No limitation

V-A. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NOS. B-1, B-2, B-3, B-4, B-5 AND B-8

EQUIPMENT OPERATION REQUIREMENTS

2. The Storage Tanks 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
B-1	<11
B-2	<11
B-3	<11
B-4	<11
B-5	<11
B-8	<11

3. The rim mounted wiper secondary seal shall meet the following requirements:

   A. Any secondary seal shall extend from the roof to the tank shell and shall not be attached to the primary seal.
      i. For secondary seals installed after December 4, 1991 no gap between the tank shell and the seal shall exceed:
         a. 0.15 cm (0.06 in)
         b. 0.05 cm (0.02 in) for a cumulative length greater than 5% of the circumference of the tank.

   [SMAQMD Rule 446 Section 314.1]

4. Closure devices for openings in the floating roof shall meet the following requirements:

   A. All openings in the roof, except pressure-vacuum valves, sampling wells and gauging wells shall meet the following requirements:
      i. The opening shall provide a projection below the liquid surface to prevent belching of liquid and to prevent entrained or formed organic vapor from escaping from the liquid contents of the tanks.
      ii. The opening shall be equipped with a cover, seal or lid, which shall be closed at all times with no visible gaps, except when the opening is in use.

   B. Pressure-vacuum valves shall be set to within 10% of the maximum allowable working pressure of the roof.

   C. Solid sampling and gauging wells shall meet the following requirements:

i. The well shall provide a projection below the liquid surface.
ii. The well shall be equipped with a cover, seal or lid, which shall be closed at all times with no visible gaps, except when the well is in use.

D. Slotted sampling and gauging wells shall meet the following requirements:
i. The well shall provide a projection below the liquid surface.
ii. The well shall be equipped with one of the following closure devices which shall be in place at all times except when the well is in use:
a. An internal float designed to minimize the gap between the float and the well, provided that the gap shall in no case exceed 1.3 cm (0.5 in).
b. A capped internal sleeve designed to minimize the gap between the sleeve and the well, provided that the gap shall in no case exceed 1.3 cm (0.5 in).

c. An internal sleeve with no visible gaps between the sleeve and the well and a cover, seal or lid on the well with no visible gaps.

E. Any roof drain shall be provided with a slotted membrane fabric cover, or equivalent, that covers at least 90% of the area of the opening.

F. The gap between sampling wells, gauging wells and similar fixed projections through a floating roof, such as anti-rotational pipes, and the roof shall be added to the gaps measured to determine compliance of the secondary seal and in no case shall exceed 1.3 cm (0.5 in).

[SMAQMD Rule 446 Sections 314.2 through 314.7]

5. The metallic shoe primary seal shall meet the following requirements:

A. There shall be no holes, tears or openings which allow the emission of organic vapors through the secondary seal. There shall be no holes, tears or openings in the primary seal envelope surrounding the annular vapor space enclosed by the roof edge, stored liquid surface, shoe and seal fabric.
[SMAQMD Rule 446 Section 315.1]

B. The metallic shoe primary seal shall be installed so that one end of the shoe extends into the stored liquid and the other end extends a minimum vertical distance of 61cm (24 in) above the stored liquid surface.
[SMAQMD Rule 446 Section 315.2]

C. The geometry of the metallic shoe shall be such that the gap between the shoe and the tank shell shall not exceed twice the seal gap requirements of Condition No. 6 for a vertical length greater than 45.7 cm (18 in).
[SMAQMD Rule 446 Section 315.3]

V-A. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NOS. B-1, B-2, B-3, B-4, B-5 AND B-8

6. The metallic shoe primary seal and the rim mounted wiper secondary seal shall meet the following requirements:

   A. No gap between the tank shell and the primary seal shall exceed:
      i. 3.8 cm (1.5 in).
      ii. 1.3 cm (0.5 in) for a **cumulative** length greater than 10% of the circumference of the tank.
      iii. 0.32 cm (0.125 in) for a **continuous** length of more than 10% of the circumference of the tank.
      iv. 0.32 cm (0.125 in) for a **cumulative** length greater than 40% of the circumference of the tank.

   B. No gap between the tank shell and the secondary seal shall exceed:
      i. 1.3 cm (0.5 in)
      ii 0.32 cm (0.125 in) for a cumulative length greater than 5% of the circumference of the tank.
   C. The secondary seal shall allow easy insertion of probes up to 3.8 cm (1.5 in) in width in order to measure gaps in the primary seal.

   [SMAQMD Rule 446 Section 316]

MONITORING REQUIREMENTS

7. The primary seal envelope shall be available for unobstructed inspection by the SMAQMD Air Pollution Control Officer on an annual basis at four locations selected along its circumference at random by the SMAQMD Air Pollution Control Officer. If the SMAQMD Air Pollution Control Officer detects one or more violations as a result of any such inspection, the SMAQMD Air Pollution Control Officer may require such further unobstructed inspection of the primary seal as may be necessary to determine the seal condition for its entire circumference.

   [SMAQMD Rule 446 Section 401]

8. For secondary seals installed after September 1, 1978, the primary seal envelope shall be made available for inspection by the SMAQMD Air Pollution Control Officer for its full length every 5 years after September 1, 1977, except that if the secondary seal is voluntarily removed by the owner or operator prior thereto, it shall be made available for such inspection at that time. The owner or operator shall provide notification to the SMAQMD Air Pollution Control Officer no less than 7 working days prior to voluntary removal of the secondary seal.

   [SMAQMD Rule 446 Section 402]

9. 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.

V-A. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NOS. B-1, B-2, B-3, B-4, B-5 AND B-8

B. Collection Efficiency: Collection efficiency shall be determined using U.S. EPA 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.

[SMAQMD Rule 446 Section 502]

REPORTING AND RECORD KEEPING REQUIREMENTS

10. A maintenance plan shall be submitted to the SMAQMD Air Pollution Control Officer at least thirty days prior to any periodic scheduled maintenance that may cause the emissions of volatile organic compounds. The plan shall state the amount and type of emission anticipated, method of calculating emissions and the reason that the work is necessary, including the effect of not performing the maintenance.
[SMAQMD Rule 446 Section 403]

11. The following records 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.
[SMAQMD Rule 446 Section 501]

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).

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

V-B. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NOS. B-10, B-11 AND B-15

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. B-10

P/O No.:	1394 (for reference purposes only - not federally enforceable)
Safe Working Capacity:	1,515,318 gallons
Dimensions:	76.5' diameter x 48' high
Roof type:	Internal floating roof
Primary Seal type:	Liquid mounted resilient
Secondary Seal type:	None
Content:	Organic liquids with True Vapor Pressure less than 11 psia

Storage Tank No. B-11

P/O No.:	18608 (for reference purposes only - not federally enforceable)
Safe Working Capacity:	1,216,992 gallons
Dimensions:	68.5' diameter x 48' high
Roof type:	Internal floating roof
Primary Seal type:	Mechanical shoe seal
Secondary Seal type:	Rim-mounted steel compression plate seal (installed 2006)
Content:	Organic liquids with True Vapor Pressure less than 11 psia

Storage Tank No. B-15

P/O No.:	18051 (for reference purposes only - not federally enforceable)
Safe Working Capacity:	808,710 gallons
Dimensions:	56' diameter x 48' high
Roof type:	Internal floating roof
Primary Seal type:	Mechanical shoe seal
Secondary Seal type:	Rim-mounted steel compression plate seal (installed 2005)
Content:	Organic liquids with True Vapor Pressure less than 11 psia

V-B. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NOS. B-10, B-11 AND B-15

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

EMISSION LIMITATION REQUIREMENTS

1. Emissions from Storage Tank Nos. B-11 and B-15 shall not exceed the following limits: **[SMAQMD Rule 202]**

Storage Tank No.	ROC Emission Limits (A) lb ROC/quarter
B-11	1,207
B-15	1,317

(A) Emission is based on a worst case maximum storage tank throughput of 203,578,750 gallons of gasoline per quarter, the applicable tank parameters and U.S. EPA TANKS 4.0c computer program.

EQUIPMENT OPERATION REQUIREMENTS

2. Storage Tank Nos. B-10, B-11 and B-15 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. **[SMAQMD Rule 446 Section 312.1]**

Storage Tank No.	Maximum Allowable True Vapor Pressure of Stored Organic Liquids psia
B-10	<11
B-11	<11
B-15	<11

3. Throughput of Storage Tank Nos. B-11 and B-15 shall not exceed the following limits: **[SMAQMD Rule 202]**

Storage Tank No.	Maximum Allowable Throughput (A) gallons/quarter
B-11	203,578,750
B-15	203,578,750

(A) Based on the facility maximum allowable gasoline throughput of 2,231,000 gallons/day, 365 days/year and 4 quarters/year.

V-B. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NOS. B-10, B-11 AND B-15

MONITORING REQUIREMENTS

4. The permittee shall 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 shall 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.

   [SMAQMD Rule 201 Section 405]

5. The permittee shall 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.
      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 this condition occur at intervals greater than 10 years.

   [SMAQMD Rule 201 Section 405]

6. 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 U.S. EPA

V-B. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NOS. B-10, B-11 AND B-15

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.

[SMAQMD Rule 446 Section 502]

REPORTING AND RECORD KEEPING REQUIREMENTS

7. A maintenance plan shall be submitted to the SMAQMD Air Pollution Control Officer at least thirty days prior to any periodic scheduled maintenance that may cause the emissions of volatile organic compounds. The plan shall state the amount and type of emission anticipated, method of calculating emissions and the reason that the work is necessary, including the effect of not performing the maintenance.
[SMAQMD Rule 446 Section 403]

8. The following records 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.
[SMAQMD Rule 201 Section 405 and SMAQMD Rule 446 Section 501]

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).
Each time an inspection is performed as required by Condition Nos. 5 or 6.	E. Identify the storage vessel for which the inspection was performed. F. Date the storage vessel was inspected. G. Observed condition of each component of the control equipment (seals, internal floating roof and fittings).
Quarterly	H. For Tank Nos. B-11 and B-15: Gasoline throughput (gallons/quarter).

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

V-C. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. B-9

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. B-9

P/O No.:	16600 (for reference purposes only - not federally enforceable)
Safe Working Capacity:	193,284 gallons
Dimensions:	30' diameter x 40' high
Roof type:	Internal floating roof
Primary Seal type:	Mechanical shoe
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 LIMITATION REQUIREMENTS

1. Emissions from Storage Tank No. B-9 shall not exceed the following limit:
[SMAQMD Rule 202]

Storage Tank No.	ROC Emission Limits lb ROC/quarter
B-9	1,786 (A)

(A) ROC emission is based on a worst case maximum storage tank throughput of 203,578,750 gallons of gasoline per quarter, the applicable tank parameters and the U.S. EPA TANKS 4.0c computer program.

EQUIPMENT OPERATION REQUIREMENTS

2. Storage Tank No. B-9 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.
[SMAQMD Rule 446 Section 312.1]

Storage Tank No.	Maximum Allowable True Vapor Pressure of Stored Organic Liquids psia
B-9	<11

V-C. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. B-9

3. Throughput of Storage Tank No. B-9 shall not exceed the following limit:
[SMAQMD Rule 202]

Storage Tank No.	Maximum Allowable Throughput (A) gallons/quarter
B-9	203,578,750

(A) Based on the facility maximum allowable gasoline throughput of 2,231,000 gallons/day, 365 days/year and 4 quarters/year.

MONITORING REQUIREMENTS

4. The permittee shall 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 shall 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.

   [SMAQMD Rule 201 Section 405]

V-C. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. B-9

5. The permittee shall 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.
      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 this condition occur at intervals greater than 10 years.

   [SMAQMD Rule 201 Section 405]

6. 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 U.S. EPA 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.

   [SMAQMD Rule 446 Section 502]

REPORTING AND RECORD KEEPING REQUIREMENTS

7. A maintenance plan shall be submitted to the SMAQMD Air Pollution Control Officer at least thirty days prior to any periodic scheduled maintenance that may cause the emissions of volatile organic compounds. The plan shall state the amount and type of emission anticipated, method of calculating emissions and the reason that the work is necessary, including the effect of not performing the maintenance.

   [SMAQMD Rule 446 Section 403]

V-C. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. B-9

8. The following records 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.
[SMAQMD Rule 201 Section 405 and Rule 446 Section 501]

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).
Each time an inspection is performed as required by Condition Nos. 5 or 6.	E. Identify the storage vessel for which the inspection was performed. F. Date the storage vessel was inspected. G. Observed condition of each component of the control equipment (seals, internal floating roof and fittings).
Quarterly	H. Quarterly gasoline throughput (gallons/quarter).

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

V-D. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. B-14 AND ETHANOL UNLOADING 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. B-14 and Ethanol Unloading System (from tank trucks)

P/O No.:	19645 (for reference purposes only - not federally enforceable)
Safe Working Capacity:	809,802 gallons
Dimensions:	56' diameter x 48' high
Roof type:	Internal floating roof
Primary Seal type:	Mechanical shoe
Secondary Seal type:	Rim mounted wiper (installed 2003)
Content:	Organic liquids with True Vapor Pressure less than 11 psia

Ethanol unloading system (from tank trucks) consisting of:
1. (2) unloading hoses and associated piping.
2. (4) unloading sleeves.
3. (2) pumps, 5 hp each, to transfer ethanol to Storage Tank No. B-14.
4. Vapor return line

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

EMISSION LIMITATION REQUIREMENTS

1. Emissions from Storage Tank No. B-14 and the Ethanol Unloading System shall not exceed the following limit:
   [SMAQMD Rule 202]

Storage Tank No.	ROC Emission Limits lb ROC/quarter
B-14 and ethanol unloading system	1,526 (A)

(A) Emission is based on a worst case maximum storage tank throughput of 203,578,750 gallons of gasoline per quarter, the applicable tank parameters and the U.S. EPA TANKS 4.0d computer program.

V-D. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. B-14 AND ETHANOL UNLOADING SYSTEM

EQUIPMENT OPERATION REQUIREMENTS

2. Storage Tank No. B-14 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.
[SMAQMD Rule 446 Section 312.1]

Storage Tank No.	Maximum Allowable True Vapor Pressure of Stored Organic Liquids psia
B-14	<11

3. The throughput of Storage Tank No. B-14 shall not exceed the following limit:
[SMAQMD Rule 202]

Storage Tank No.	Maximum Allowable Throughput (A) gallons/quarter
B-14	203,578,750

(A) Based on the facility maximum allowable gasoline throughput of 2,231,000 gallons/day, 365 days/year and 4 quarters/year.

4. The throughput of denatured ethanol in the ethanol offloading system to Storage Tank No. B-14 shall not exceed the following limit:
[SMAQMD Rule 202]

Equipment	Maximum Allowable Ethanol Throughput (A) gallons/quarter
Ethanol Unloading System	30,660,000

(A) Based on a request by the permittee that will keep the ROC emissions associated with Storage Tank No. 14 and the ethanol unloading system below the ROC emission limit specified in Condition No. 1.

V-D. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. B-14 AND ETHANOL UNLOADING SYSTEM

5. The total number of tank trucks unloading denatured ethanol using the ethanol unloading system to Storage Tank No. B-14 shall not exceed the following limit:
[SMAQMD Rule 202]

Equipment	Maximum Allowable Number of Tank Trucks Unloading Ethanol (A) trucks/quarter
Ethanol Unloading System	3,680

(A) Based on a request by the permittee that will keep the ROC emissions associated with Storage Tank No. 14 and the ethanol unloading system below the limit specified in Condition No. 1.

6. The ethanol unloading system 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 ppmv (expressed as methane) above background, as determined by U.S. EPA Method 21.

   [SMAQMD Rule 202 Section 405]

7. Unloading of liquid product from tank trucks shall be limited to vapor tight tank trucks using the procedures in Condition Nos. 9 - 14.
[SMAQMD Rule 202 Section 405]

8. The terminal owner or operator shall obtain the vapor tightness documentation described in Condition No. 19 for each tank truck which is unloaded at the ethanol unloading system.
[SMAQMD Rule 202 Section 405]

9. The terminal owner or operator shall require the tank identification number to be recorded as each tank truck is unloaded at the ethanol unloading system.
[SMAQMD Rule 202 Section 405]

10. The terminal owner or operator shall cross-check each tank identification number obtained in Condition No. 10 with the vapor tightness documentation within 2 weeks after the corresponding tank is unloaded, unless either of the following conditions is maintained:
[SMAQMD Rule 202 Section 405]

    A. If less than an average of one tank truck per month over the last 26 weeks is unloaded without vapor tightness documentation then the documentation cross-check shall be performed each quarter; or

    B. If less than an average of one tank truck per month over the last 52 weeks is unloaded without vapor tightness documentation then the documentation cross-check shall be

V-D. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. B-14 AND ETHANOL UNLOADING SYSTEM

performed semiannually.

11. If either the quarterly or semiannual cross-check provided in Condition Nos. 11.A and 11.B reveal that these conditions are not being maintained, the terminal owner or operator shall return to bi-weekly monitoring until such time as these conditions are again met.
[SMAQMD Rule 202 Section 405]

12. The terminal owner or operator shall notify the owner or operator of each non-vapor tight tank truck unloaded at the ethanol unloading system within 1 week of the documentation cross check in Condition No. 11.
[SMAQMD Rule 202 Section 405]

13. The terminal owner or operator shall take steps assuring that the non-vapor tight tank truck will not be used for unloading at the ethanol unloading system until vapor tightness documentation for that tank truck is obtained.
[SMAQMD Rule 202 Section 405]

MONITORING REQUIREMENTS

14. The permittee shall 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 shall 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.

    [SMAQMD Rule 201 Section 405]

15. The permittee shall 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:

V-D. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. B-14 AND ETHANOL UNLOADING SYSTEM

i. Internal floating roof has defects.
ii. Primary seal has holes, tears or other openings in the seal or the seal fabric.
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. 16 occur at intervals greater than 10 years.
[SMAQMD Rule 201 Section 405]

16. 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 U.S. EPA 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.
[SMAQMD Rule 446 Section 502]

RECORD KEEPING AND REPORTING REQUIREMENTS

17. A maintenance plan shall be submitted to the SMAQMD Air Pollution Control Officer at least thirty days prior to any periodic scheduled maintenance that may cause the emissions of volatile organic compounds. The plan shall state the amount and type of emission anticipated, method of calculating emissions and the reason that the work is necessary, including the effect of not performing the maintenance.
[SMAQMD Rule 201 Section 405 and Rule 446 Section 403]

V-D. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. B-14 AND ETHANOL UNLOADING SYSTEM

18. The following records 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.
[SMAQMD Rule 446 Section 501]

Frequency	Information to be Recorded
At all times	A. Tank truck vapor tightness documentation required by Condition No. 8.
Each time Tank No. B-14 is filled with a different product	B. Type of product. C. Date of the filling. D. True Vapor Pressure ranges of the product.
Daily (A)	E. Actual storage temperature (ambient temperature may be used in this regard).
Each time an inspection is performed as required by Condition Nos. 15 or 16.	F. Identify the storage tank for which the inspection was performed. G. Date the storage tank was inspected. H. Observed condition of each component of the control equipment (seals, internal floating roof and fittings).
Quarterly	I. Gasoline throughput of Tank No. B-14 (gallons/quarter). J. Denatured ethanol throughput in the ethanol unloading system (gallons/quarter). K. Total number of tank trucks unloaded (trucks/quarter).

V-D. EQUIPMENT SPECIFIC REQUIREMENTS – STORAGE TANK NO. B-14 AND ETHANOL UNLOADING SYSTEM

Frequency	Information to be Recorded
At least once per year	L. The documentation file for each 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. M. 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 Cargo Tanks. ii. Tank owner and address. iii. Tank identification number. iv. Testing location. v. Date of test. vi. Tester name and signature. vii. Witnessing inspector, if any: name, signature and affiliation. viii. Test results: average pressure change in 5 minutes, mm of water (average for 2 runs).

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

V-E. EQUIPMENT SPECIFIC REQUIREMENTS – LOADING RACK NOS. 1, 2 AND 3

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 No. 1
P/O No.: 17654 (for reference purposes only - not federally enforceable)
Loading rack consisting of:
1. (2) gasoline loading spots with 4 pumps.
2. (2) diesel loading spots with 2 pumps.
3. Equipment for blending of other organic liquids with a true vapor pressure not to exceed 11 psia.
4. Vapor recovery piping vented to APC refrigeration-thermal oxidizer vapor processing system

Loading Rack No. 2
P/O No.: 17655 (for reference purposes only - not federally enforceable)
Loading rack consisting of:
1. (2) gasoline loading spots with 3 pumps.
2. (2) diesel loading spots with 1 pump.
3. (1) Transmix loading spot with 1 pump.
4. Equipment for blending of other organic liquids with a true vapor pressure not to exceed 11 psia.
5. Vapor recovery piping vented to APC refrigeration-thermal oxidizer vapor processing system

Loading Rack No. 3
P/O No.: 17669 (for reference purposes only - not federally enforceable)
Loading rack consisting of:
1. (2) gasoline loading spots with 2 pumps.
2. (2) diesel loading spots with 2 pumps.
3. (1) Jet A loading spot with 1 pump.
4. Equipment for blending of other organic liquids with a true vapor pressure not to exceed 11 psia.
5. Vapor recovery piping vented to APC refrigeration-thermal oxidizer vapor processing system

V-E. EQUIPMENT SPECIFIC REQUIREMENTS – LOADING RACK NOS. 1, 2 AND 3

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

EMISSION LIMITATION 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 VOC per one thousand (1,000) gallons of organic liquids transferred.
[SMAQMD Rule 447 Section 301]

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

Pollutant	Emission Factor (A)	Emission Limits (B)	
		lb/day	lb/quarter
ROC	0.08 lb/1000 gal	179	16,287

(A) Emission factor based on the emission limitation in Condition No. 1
(B) Based on the maximum allowable fuel loading in Condition No. 4. Does not include emissions from switch loading of diesel fuel because there is no limitation on the amount of diesel fuel loaded and therefore no basis for calculating the associated switch loading emissions.

EQUIPMENT OPERATION REQUIREMENTS

3. 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.
[SMAQMD Rule 447 Section 303]

4. The total amount of organic liquids loaded through all loading racks vented to the APC Thermal Oxidizer shall not exceed the following.
[SMAQMD Rule 201 Section 405 - this limitation is a requirement of the CARB gasoline vapor control system certification]

Fuel Type	Maximum Allowable Fuel Loading		
	gallons/hour	gallons/day	gallons/quarter (B)
Gasoline (including transmix and additives)	91,000 (A)	2,231,000	203,578,750
Diesel	No limitation	No limitation	No limitation
Jet A	No limitation	No limitation	No limitation

V-E. EQUIPMENT SPECIFIC REQUIREMENTS – LOADING RACK NOS. 1, 2 AND 3

(A) The limitation applies only when the tank truck loading air pollution control system is operating in direct mode.
(B) Based on the facility maximum allowable gasoline throughput of 2,231,000 gallons/day, 365 days/year and 4 quarters/year.

5. When the tank truck loading air pollution control system is operating in direct mode the permittee shall not load organic liquids into any tank truck, trailer or railroad tank car by the simultaneous use of more than two loading arms at each of the three loading racks.
[SMAQMD Rule 201 Section 405 - this limitation is a requirement of the CARB gasoline vapor control system certification]

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.
   [SMAQMD Rule 447 Section 304]

7. Loadings of liquid product into gasoline tank trucks shall be limited to vapor tight gasoline tank trucks using the procedures of Condition Nos. 8-15.
[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.
[40 CFR Part 60 Subpart XX Section 60.502e(1)]

9. The terminal owner or operator shall require the tank identification number to be recorded as each gasoline tank truck is loaded at the affected facility.
[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:
[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
    [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.
    [40 CFR Part 60 Subpart XX Section 60.502e(3)(i)(B)]

V-E. EQUIPMENT SPECIFIC REQUIREMENTS – LOADING RACK NOS. 1, 2 AND 3

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 terminal owner or operator shall return to bi-weekly monitoring until such time as these conditions are again met.
    [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.
    [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.
    [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.
    [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.
    [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.
    [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.
    [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].
    [40 CFR Part 60 Subpart XX Section 60.502i]

V-E. EQUIPMENT SPECIFIC REQUIREMENTS – LOADING RACK NOS. 1, 2 AND 3

MONITORING REQUIREMENTS

19. 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.
    [40 CFR Part 60 Subpart XX Section 60.502j]

20. 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 shall state in advance which compounds are present and the U.S. EPA approved test method used to make the determination of these compounds.

    [SMAQMD Rule 447 Section 501]

V-E. EQUIPMENT SPECIFIC REQUIREMENTS – LOADING RACK NOS. 1, 2 AND 3

RECORD KEEPING REQUIREMENTS

21. 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. Monthly, quarterly and yearly 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. Tank vapor tightness documentation required by Condition No. 8. **[40 CFR Part 60 Subpart XX Section 60.505a]** B. Documentation of all notifications required by Condition No. 12. **[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. **[40 CFR Part 60 Subpart XX Section 60.505f]**
Hourly	D. When operating the tank truck loading air pollution control system in direct mode: i. the volume of gasoline (including transmix and additives) loaded through all loading racks (gallons/hour). (Condition No. 4) ii. the number of loading arms in use at each of the three loading racks simultaneously. (Condition No. 5) **[SMAQMD Rule 201 Section 405]**
Daily	E. Volume of gasoline (including transmix and additives) loaded through all loading racks (gallons/day). (Condition No. 4) **[SMAQMD Rule 201 Section 405]**

V-E. EQUIPMENT SPECIFIC REQUIREMENTS – LOADING RACK NOS. 1, 2 AND 3

Frequency	Information to be Recorded
Monthly	F. A record of each monthly liquid and vapor 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. **[40 CFR Part 60 Subpart XX Section 60.505c]** vi. For each leak that is detected, the following specified information shall be recorded: (a) The equipment type and identification number. (b) The nature of the leak (i.e., vapor or liquid) and the method of detection (i.e., sight, sound, or smell). (c) The date the leak was detected and the date of each attempt to repair the leak. (d) Repair methods applied in each attempt to repair the leak. (e) Repair delayed'' and the reason for the delay if the leak is not repaired within 15 calendar days after discovery of the leak. (f) The expected date of successful repair of the leak if the leak is not repaired within 15 days. (g) The date of successful repair of the leak. **[Basis: 40 CFR 63.11094(e)]**
Quarterly	G. Volume of gasoline (including transmix and additives) loaded through all loading racks (gallons/quarter). (Condition No. 4) **[SMAQMD Rule 201 Section 405]**

V-E. EQUIPMENT SPECIFIC REQUIREMENTS – LOADING RACK NOS. 1, 2 AND 3

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 CP-204 Certification Procedures for Vapor Recovery Systems of Cargo Tanks. I. This documentation shall include, as a minimum, the following information: i. Test title: California Air Resources Board CP-204 Certification Procedures for Vapor Recovery Systems of Cargo Tanks. ii. Tank owner and address. iii. Tank identification number. iv. Testing location. v. Date of test. vi. Tester name and signature. vii. Witnessing inspector, if any: name, signature and affiliation. viii. Test results: average pressure change in 5 minutes, mm of water (average for 2 runs). **[40 CFR Part 60 Subpart XX Section 60.505b and 40 CFR 63 Subpart BBBBBB Section 63.11094(b)(2) but using CARB test methods in lieu of federal procedures]**

EMISSION TESTING REQUIREMENTS

22. 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.

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

    D. During the emission test, operation of the facility at maximum permitted throughput is not required.

    [SMAQMD Rule 201 Section 405]

V-F. EQUIPMENT SPECIFIC REQUIREMENTS – TANK TRUCK UNLOADING 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:

Tank Truck Unloading System
P/O No.: 22882 (for reference purposes only - not federally enforceable)

Consisting of:
1. (1) flexible unloading hose, 4 inch diameter.
2. (1) pump sleeve.
3. (1) submerged pump to transfer product to storage tank.
4. Vapor return line.

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

EMISSION LIMITATION REQUIREMENTS

1. The emissions from the tank truck unloading system shall not exceed the following limits: **[SMAQMD Rule 201, Section 405 and 202, Section 413.2 (10-28-2010 version)]**

Source	Number of Components	ROC Emission Factor	Maximum Allowable ROC Emissions (pounds/quarter)
Unloading system	NA	0.3 lb/1000 gallons	428 (A)
Valves	12	4.3×10^{-5} kg/hr-comp (B)	2.5
Pump seals	1	5.4×10^{-4} kg/hr-comp (B)	2.6
Fittings	32	8.0×10^{-6} kg/hr-comp (B)	1.2
Other	2	1.3×10^{-4} kg/hr-comp (B)	1.3
		Total	436

(A) Emissions based on a maximum of 60 unloading events per day, 258.5 gallons of displaced vapor for each unloading event, 92 days per quarter and an ROC emission factor of 0.3 lb of ROC/1000 gallons of gasoline transferred (U.S. EPA AP42 Table 5.2-7 balanced submerged filling).

(B) Emission factors are from U.S. EPA's P*rotocol for Equipment Leak Emission Estimates*, EPA-453/R-95-017, November 1995, Table 2-7 Marketing Terminal Screening Ranges Emission Factors.

V-F. EQUIPMENT SPECIFIC REQUIREMENTS – TANK TRUCK UNLOADING SYSTEM

EQUIPMENT OPERATION REQUIREMENTS

2. The number of unloading events using the tank truck unloading system shall not exceed the following limits:
[SMAQMD Rule 201, Section 405 and 202, Section 413.2 (10-28-2010 version)]

Period	Maximum Allowable Number of Unloading Events (A)
Daily	60
Quarterly	5,520

(A) An unloading event is the unloading of a compartment on a tank truck.

3. Unloading of gasoline from tank trucks shall be limited to vapor tight gasoline tank trucks using the procedures in Condition Nos. 6 - 9.
[SMAQMD Rule 201 Section 405]

4. The permittee shall obtain the vapor tightness documentation described in Condition No. 5 for each gasoline tank truck which is unloaded at the tank truck unloading system.
[SMAQMD Rule 201 Section 405]

5. The permittee shall require the tank identification number to be recorded as each gasoline tank truck is unloaded at the tank truck unloading system.
[SMAQMD Rule 201 Section 405]

6. The permittee shall cross-check each tank identification number obtained in Condition No. 5 with the vapor tightness documentation within 2 weeks after the corresponding tank is unloaded, unless either of the following conditions is maintained:
[SMAQMD Rule 201 Section 405]

   A. If less than an average of one gasoline tank truck per month over the last 26 weeks is unloaded without vapor tightness documentation then the documentation cross-check shall be performed each quarter; or

   B. If less than an average of one gasoline tank truck per month over the last 52 weeks is unloaded without vapor tightness documentation then the documentation cross-check shall be performed semiannually.

7. If either the quarterly or semiannual cross-check provided in Condition Nos. 6.A and 6.B reveal that these conditions are not being maintained, the permittee shall return to bi-weekly monitoring until such time as these conditions are again met.
[SMAQMD Rule 201 Section 405]

8. The permittee shall notify the owner or operator of each non-vapor tight gasoline tank truck unloaded at the tank truck unloading system within 1 week of the documentation cross check in Condition No. 6.
[SMAQMD Rule 201 Section 405]

V-F. EQUIPMENT SPECIFIC REQUIREMENTS – TANK TRUCK UNLOADING SYSTEM

9. The permittee shall take steps assuring that the non-vapor tight gasoline tank truck will not be used for unloading at the tank truck unloading system until vapor tightness documentation for that tank truck is obtained.
[SMAQMD Rule 201 Section 405]

RECORD KEEPING AND REPORTING REQUIREMENTS

10. The following record shall be continuously maintained on site 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 within 30 days following the end of the reporting period.
[SMAQMD Rule 201 Section 405]

Frequency	Information to be Recorded
At all times	A. Tank truck vapor tightness documentation required by Condition No. 4. B. Documentation of all notifications required under Condition No. 8.
Daily	C. Number of tank truck unloading events (events/day).
Quarterly	D. Number of tank truck unloading events (events/quarter).
At least once per year	E. 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. F. 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 Cargo Tanks. ii. Tank owner and address. iii. Tank identification number. iv. Testing location. v. Date of test. vi. Tester name and signature. vii. Witnessing inspector, if any: name, signature and affiliation. viii. Test results: average pressure change in 5 minutes, mm of water (average for 2 runs).

V-F. EQUIPMENT SPECIFIC REQUIREMENTS – TANK TRUCK UNLOADING SYSTEM

EMISSION REDUCTION CREDIT (ERC) REQUIREMENTS

11. The permittee shall surrender (and has surrendered - See Condition No. 12) ROC ERCs to the SMAQMD Air Pollution Control Officer to offset the following amount of ROC emissions: **[SMAQMD Rule 202 Section 302]**

Equipment	Amount of ROC Emissions for which ERCs are to be Provided lb/quarter			
	Quarter 1	Quarter 2	Quarter 3	Quarter 4
Tank Truck Unloading System	436	436	436	436

12. The following ROC ERCs have been surrendered to the SMAQMD Air Pollution Control Officer to comply with the SMAQMD Rule 202 New Source Review requirement as stated in Condition No. 11:
[SMAQMD Rule 202 Section 302]

Emission Reduction Credit Certificate No.	Face Value of ROC 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
11-01121 (A)	523.2	517 (B)	529.4 (B)	523.2	1.2:1	436	436 (B)	436 (B)	436
					Total	436	436	436	436

(A) ERCs in the amount specified shall be provided at all times that the permitted equipment is allowed to operate.
(B) 6.2 lbs of ROC credits was applied from Quarter 3 to Quarter 2, (Rule 202, Section 302.3.a.2).

V-G. EQUIPMENT SPECIFIC REQUIREMENTS – APC TANK TRUCK LOADING VAPOR COLLECTION-REFRIGERATION-THERMAL OXIDIZER 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 Tank Truck Loading Vapor Collection-Refrigeration-Thermal Oxidizer System
P/O No.: 20420 (for reference purposes only - not federally enforceable)

Consisting of:

1. Vapor Collection System (used in Normal, Bypass and Direct Modes)
   Venting: Tank truck loading at Loading Rack Nos. 1, 2 and 3

2. Vapor Holding Tank (used in Normal and Bypass Modes)
   Capacity: 40,000 cubic feet of displaced vapor

3. Vapor Condensing Unit (used in Normal Mode):
   Manufacturer: Edwards
   Model No.: DEC-3600
   Type: Refrigeration
   Capacity: 800 cubic feet of displaced vapor/minute

4. Thermal Oxidizer (used in Normal, Bypass and Direct Modes)
   Manufacturer: John Zink
   Model No.: S76300
   Type: Thermal oxidizer
   Capacity: 800 cubic feet of displaced vapor/minute

The Vapor Collection-Refrigeration-Thermal Oxidizer system operates in one of the following modes:

a. Normal Mode:
   i. The displaced gasoline vapor from loading the tank trucks is collected in the vapor holding tank.
   ii. The gasoline vapor collected in the vapor holding tank is then processed by the Edwards refrigeration unit.
   iii. The remaining gasoline vapor receives a final processing by the John Zink thermal oxidizer.

b. Bypass Mode:
   i. The displaced gasoline vapor from loading the tank trucks is collected in the vapor holding tank.
   ii. The Edwards refrigeration unit is bypassed.
   iii. The gasoline vapor collected in the vapor holding tank is then processed by the John Zink thermal oxidizer.

V-G. EQUIPMENT SPECIFIC REQUIREMENTS – APC TANK TRUCK LOADING VAPOR COLLECTION-REFRIGERATION-THERMAL OXIDIZER SYSTEM

c. Direct Mode:
i. The vapor holding tank is bypassed.
ii. The Edwards refrigeration unit is bypassed.
iii. The displaced gasoline vapor from loading the tank trucks is processed directly by the John Zink thermal oxidizer.

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. Emissions from the Thermal Oxidizer shall not exceed the following limits:
[SMAQMD Rule 202]

Pollutant	Emission Factor (A) lb/1000 gallons of gasoline/transmix loaded	Emission Limits (B)	
		lb/day	lb/quarter
NOx - Normal Mode	0.0334	75	6,800
NOx - Bypass or Direct Mode	0.0199	45	
CO - Normal Mode	0.00918	21	30,415
CO - Bypass or Direct Mode	0.1494	334	

(A) NOx emission factor based on manufacturer's data.
CO emission factor based on data from source test conducted on 07/27/1993.
(B) Based on the maximum allowable gasoline and transmix throughput of 2,231,000 gallons/day and 203,578,750 gallons/quarter in Condition No. 4 for Loading Rack Nos. 1, 2 and 3.

2. The permittee 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.
[SMAQMD Rule 406 Section 302]

V-G. EQUIPMENT SPECIFIC REQUIREMENTS – APC TANK TRUCK LOADING VAPOR COLLECTION-REFRIGERATION-THERMAL OXIDIZER SYSTEM

EQUIPMENT OPERATION REQUIREMENTS

3. A temperature of not less than 390 degrees Fahrenheit (averaged over one burning cycle) shall be maintained in the thermal oxidizer combustion chamber, as indicated by the temperature probe located approximately 20 feet above ground level, when the thermal oxidizer is in operation.
   [SMAQMD Rule 201 Section 405]

4. In the event of any partial or total failure of the vapor condensing (refrigeration) unit when operating in Normal Mode, the system shall immediately switch to Bypass Mode.
   [SMAQMD Rule 201 Section 405]

5. In Normal Mode the coolant inlet temperature for the vapor condensing (refrigeration) unit shall be no warmer than -10 degrees Fahrenheit before each thermal oxidizer combustion period.

   A. An alarm on the coolant inlet shall be set at +10 degrees Fahrenheit to indicate a failure of the refrigeration unit.

   B. The system shall immediately be switched to Bypass Mode if the alarm indicates a failure of the refrigeration unit.

   [SMAQMD Rule 201 Section 405]

6. The vapor holder tank level shall be monitored continuously.

   A. The monitor shall alarm at 31 feet.

   B. The monitor shall automatically shut down the loading racks when the level of 33 feet is reached.

   [SMAQMD Rule 201 Section 405]

7. The pressure in the liquid sump between the loading racks and the vapor holder tank shall be monitored and continuously recorded on either strip charts or electronically.

   A. The monitor shall automatically shutdown the loading racks when the pressure exceeds 1.9 inches water gauge in normal or bypass mode.

   [SMAQMD Rule 201 Section 405]

8. Process monitors and automatic loading rack shutdown safeties for vapor holder tank level and the liquid sump pressure shall be operational at all times.
   [SMAQMD Rule 201 Section 405]

V-G. EQUIPMENT SPECIFIC REQUIREMENTS – APC TANK TRUCK LOADING VAPOR COLLECTION-REFRIGERATION-THERMAL OXIDIZER SYSTEM

9. A pressure relief valve, set at 2.0 inches water gauge, shall be operational on the vapor holder tank.

   A. The pressure relief valve shall not be modified without the approval of the California Air Resources Board Executive Officer.
   [SMAQMD Rule 201 Section 405 - this limitation is a requirement of the CARB gasoline vapor control system certification]

10. The permanent cessation of operation in Normal Mode (displaced vapors from tank truck loading are stored in the vapor holding tank, then processed by the vapor condensing (refrigeration) unit, with effluent from the vapor condensing (refrigeration) unit being treated by the thermal oxidizer) and physical removal of the Edwards refrigeration system shall not constitute a modification pursuant to SMAQMD Rule 202 Section 222.
    [SMAQMD Rule 202 Section 222]

MONITORING REQUIREMENTS

11. 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) and Phillips 66 Company (P/O 23446)].
    [Basis: SMAQMD Rule 202]

RECORD KEEPING REQUIREMENTS

12. A result by any of the below listed test methods which shows non-compliance with any provision of SMAQMD Rule 447 Organic Liquid Loading 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 California Air Resources Board Test 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 California Air Resources Board Test Method 150, 1-100 or 2-6.

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

    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.

V-G. EQUIPMENT SPECIFIC REQUIREMENTS – APC TANK TRUCK LOADING VAPOR COLLECTION-REFRIGERATION-THERMAL OXIDIZER SYSTEM

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

[SMAQMD Rule 447 Section 501]

13. The following records shall be continuously maintained on-site for the most recent five year period and shall be made available to the SMAQMD Air Pollution Control Officer upon request.

[SMAQMD Rule 201 Section 405]

Frequency	Information to be recorded
Continuously	A. Thermal oxidizer combustion chamber stack temperature (by the use of a continuous recorder). B. When operating in Normal or Bypass Mode: i. Pressure in the liquid sump between the loading racks and the vapor holder tank (by the use of a continuous recorder).
Daily	A. Time periods and mode in which the system operates (Normal, Bypass or Direct). B. When operating in Normal Mode: i. Coolant inlet temperature of the vapor condensing unit.

V-G. EQUIPMENT SPECIFIC REQUIREMENTS – APC TANK TRUCK LOADING VAPOR COLLECTION-REFRIGERATION-THERMAL OXIDIZER SYSTEM

REPORTING REQUIREMENTS

14. The following reports shall be submitted to the SMAQMD Air Pollution Control Officer by the specified dates:
[SMAQMD Rule 201 Section 405]

Frequency	Information to be Reported
By January 31 for the period July 01 to Dec 31 and By July 31 for the period Jan 01 to June 30	A. Summary of the information required to be recorded in Condition No. 12. i. Thermal oxidizer combustion chamber stack temperature. ii. When operating in Normal or Bypass Mode: a. Pressure in the liquid sump between the loading racks and the vapor holder tank iii. Time periods and mode in which the system operates (Normal, Bypass or Direct). iv. When operating in Normal Mode: a. Coolant inlet temperature of the vapor condensing unit. B. All instances of deviations from permit conditions shall be clearly identified in the report. C. The report shall be certified by the responsible official consistent with SMAQMD Rule 207 Section 304 Title V Operating Permits.

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 Determination of Insignificant Emissions Unit is made based on SMAQMD "List and Criteria", Part B, Section 5 modified April 2001.**
Vehicles	1. Not subject to a preconstruction permit.
Equipment powered by a small IC engine such as lawn mower, weed eater, chainsaw, pump, high pressure washer, foam trailer, etc.	2. Piston-type internal combustion engine with rating ≤ 50 bhp
Small combustion equipment fueled by natural gas or liquefied petroleum gas such as propane starter	3. Combustion equipment with maximum heat input ≤ 5,000,000 BTU/hour and exclusively fired with natural gas or LPG (propane)
Refrigeration Units	4. Any refrigeration unit provided the unit: a. Contains less than 50 pounds of refrigerant; and b. Is not used in conjunction with air pollution control equipment
Propane Tank	5. Any equipment used exclusively for the storage of liquefied gases in unvented (except for emergency pressure-relief valves) pressure vessels.
Parts Washer	6. Unheated non-conveyorized solvent rinsing containers or unheated non-conveyorized coating dip tanks of 380 liters (100 gallons) capacity or less.

VI. INSIGNIFICANT EMISSIONS UNITS

Equipment Description	**Basis for Determination of Insignificant Emissions Unit is made based on SMAQMD "List and Criteria", Part B, Section 5 modified April 2001.**
Storage Tank Nos. A-3, A-5, A-6, A-7, B-6, B-7, B-12, B-13, B-16 and B-17	7. Any equipment used exclusively for the storage of unheated organic material with: a. An initial boiling point of 150° C [302° F] or greater as determined by ASTM test method 1078-86); or b. A vapor pressure of no more than five millimeters mercury (mmHg) [0.1 pound per square inch (psi) absolute] as determined by ASTM test method D-2879-86. 8. Any equipment with a capacity of no more than 250 gallons used exclusively for the storage of unheated organic liquid. 9. Any equipment with a capacity of no more than 6,077 gallons used exclusively for the underground storage of unheated organic liquid with a vapor pressure no more than 75 mm Hg (1.5 psi absolute) as determined by ASTM test method D-2879-86.
Laboratory	10. Any laboratory fume hood or vent, provided such equipment is used exclusively for the purpose of teaching, research, or quality control.
Routine repairs and maintenance including in-plant painting	11. SMAQMD Rule 201 Section 121 Repairs or maintenance not involving changes to any equipment for which a permit has been granted under SMAQMD Rule 201 Section 301 or 302
Sumps	12. Not subject to a source-specific requirement of a State Implementation Plan and Emits no more than 0.5 tons per year of a federal hazardous air pollutant (HAP) and no more than two tons per year of a regulated pollutant that is not a HAP

VI. INSIGNIFICANT EMISSIONS UNITS

Equipment Description	**Basis for Determination of Insignificant Emissions Unit is made based on SMAQMD "List and Criteria", Part B, Section 5 modified April 2001.**
Oily Water Separator	13. Not subject to a source-specific requirement of a State Implementation Plan and Emits no more than 0.5 tons per year of a federal hazardous air pollutant (HAP) and no more than two tons per year of a regulated pollutant that is not a HAP

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 VOC, 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