

Bay Area Air Quality Management District

939 Ellis Street
San Francisco, CA 94109
(415) 771-6000

Proposed

MAJOR FACILITY REVIEW PERMIT

Issued To:
SFPP, L.P.
Facility #A4020

Facility Address:
2150 Kruse Drive
San Jose, CA 95131

Mailing Address:
1100 Town & Country Road
Orange, CA 92868

Responsible Official
William M. White, V.P., Operation
& Engineering
714-560-4910

Facility Contact
Kelly Johnson, Area Manager
408-435-7399

Type of Facility: Bulk Terminal
Primary SIC: 4226
Product: Bulk storage & terminal of
refined petroleum products

BAAQMD Permit Division Contact:
Dharam Singh

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Ellen Garvey, Executive Officer/Air Pollution Control Officer

Date

TABLE OF CONTENTS

| | |
|---|----|
| I. STANDARD CONDITIONS..... | 3 |
| II. EQUIPMENT..... | 6 |
| III. GENERALLY APPLICABLE REQUIREMENTS..... | 12 |
| IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS..... | 14 |
| V. SCHEDULE OF COMPLIANCE..... | 35 |
| VI. PERMIT CONDITIONS..... | 36 |
| VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS | 40 |
| VIII. TEST METHODS..... | 51 |
| IX. PERMIT SHIELD..... | 54 |
| X. GLOSSARY | 55 |
| XI. APPLICABLE STATE IMPLEMENTATION PLAN..... | 60 |

I. STANDARD CONDITIONS

A. Administrative Requirements

The permit holder shall comply with all applicable requirements in the following regulations:

- BAAQMD Regulation 1 - General Provisions and Definitions
(as amended by the District Board on 5/2/01);
- SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 8/27/99);
- BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 8/1/01);
- SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 2/25/99);
- BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 5/17/00);
- SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 2/25/99);
- BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 5/17/00);
- SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 2/25/99); and
- BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 5/2/01).

B. Conditions to Implement Regulation 2, Rule 6, Major Facility Review

1. This Major Facility Review Permit was issued on [] and expires on [when issued, enter 5th anniversary of issue date]. The permit holder shall submit a complete application for renewal of this Major Facility Review Permit no later than [when issued, enter date 6 months prior to permit expiration date] and no earlier than [when issued, enter date 12 months prior to expiration date]. **If a complete application for renewal has not been submitted in accordance with this deadline, the facility may not operate after** [when issued, enter 5th anniversary of issue date]. (Regulation 2-6-307, 404.2, & 409.6; MOP Volume II, Part 3, §4.2)
2. The permit holder shall comply with all conditions of this permit. The permit consists of this document and all appendices. Any non-compliance with the terms and conditions of this permit will constitute a violation of the law and will be grounds for enforcement action; permit termination, revocation and re-issuance, or modification; or denial of a permit renewal application. (Regulation 2-6-307; MOP Volume II, Part 3, §4.11)
3. In the event any enforcement action is brought as a result of a violation of any term or condition of this permit, the fact that it would have been necessary for the permittee to halt or reduce the permitted activity in order to maintain compliance with such term or condition shall not be a defense to such enforcement action. (MOP Volume II, Part

3, §4.11)

I. Standard Conditions

4. This permit may be modified, revoked, reopened and reissued, or terminated for cause. (Regulation 2-6-307, 409.8, 415; MOP Volume II, Part 3, §4.11)
5. The filing of a request by the facility for a permit modification, revocation and re-issuance, or termination, or the filing of a notification of planned changes or anticipated non-compliance does not stay the applicability of any permit condition. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
6. This permit does not convey any property rights of any sort, or any exclusive privilege. (Regulation 2-6-409.7; MOP Volume II, Part 3, §4.11)
7. The permit holder shall supply within 30 days any information that the District requests in writing to determine whether cause exists for modifying, revoking and reissuing, or terminating the permit or to determine compliance with the permit. (Regulation 1-441, Regulation 2-6-409.4 & 501; MOP Volume II, Part 3, §4.11)
8. Any records required to be maintained pursuant to this permit which the permittee considers to contain proprietary or trade secret information shall be prominently designated as such. Copies of any such proprietary or trade secret information which are provided to the District shall be maintained by the District in a locked confidential file, provided, however, that requests from the public for the review of any such information shall be handled in accordance with the District's procedures set forth in Section 11 of the District's Administrative Code. (Regulation 2-6-419; MOP Volume II, Part 3, §4.11)
9. Proprietary or trade secret information provided to EPA will be subject to the requirements of 40 CFR Part 2, Subpart B - Public Information, Confidentiality of Business Information. (40 CFR Part 2)
10. The emissions inventory submitted with the application for this Major Facility Review Permit is an estimate of actual emissions or the potential to emit for the time period stated and is included only as one means of determining applicable requirements for emission sources. It does not establish, or constitute a basis for establishing, any new emission limitations. (MOP Volume II, Part 3, §4.11)
11. The responsible official shall certify all documents submitted by the facility pursuant to the major facility review permit. The certification shall state that based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. The certifications shall be signed by a responsible official for the facility. (MOP Volume II, Part 3, §4.11)

C. Requirement to Pay Fees

The permit holder shall pay annual fees in accordance with District Regulation 3, including Schedule P. (Regulation 2-6-402 & 409.13, Regulation 3; MOP Volume II, Part 3, §4.12)

D. Inspection and Entry

Access to Facility: The permit holder shall provide reasonable access to the facility and equipment which is subject to this permit to the APCO and/or to his or her designee. (Regulation 1-440, Regulation 2-6-409.3; MOP Volume II, Part 3, §4.14)

E. Records

I. Standard Conditions

1. The permit holder must provide any information, records, and reports requested or specified by the APCO. (Regulation 1-441, Regulation 2-6-409.4)
2. Notwithstanding the specific wording in any requirement, all records for federally enforceable requirements shall be maintained for at least five years from the date of creation of the record. (Regulation 2-6-501, Regulation 3; MOP Volume II, Part 3, §4.7)

F. Monitoring Reports

Reports of all required monitoring must be submitted to the District at least once every six months, except where an applicable requirement specifies more frequent reporting. The first reporting period for this permit shall be [date of issuance] to [six months later]. The report shall be submitted by [one month after end of reporting period]. Subsequent reports shall be for the following periods: [____ 1st through ____ 30th or 31st] and [____ 1st through ____ 30th or 31st], and are due on the last day of the month after the end of the reporting period. All instances of non-compliance shall be clearly identified in these reports. The reports shall be certified by the responsible official as true, accurate, and complete. In addition, all instances of non-compliance with the permit shall be reported in writing to the District's Compliance and Enforcement Division within 10 calendar days of the discovery of the incident. Within 30 calendar days of the discovery of any incident of non-compliance, the facility shall submit a written report including the probable cause of non-compliance and any corrective or preventative actions. The reports shall be sent to the following address:

Director of Compliance and Enforcement
Bay Area Air Quality Management District
939 Ellis Street
San Francisco, CA 94109
Attn: Title V Reports

(Regulation 2-6-502, Regulation 3; MOP Volume II, Part 3, §4.7)

G. Compliance Certification

Compliance certifications shall be submitted annually by the responsible official of this facility to the Bay Area Air Quality Management District and to the Environmental Protection Agency. The certification period will be _____ 1st to _____ 30th or 31st. The certification shall be submitted by _____ 30th or 31st of each year. The certification must list each applicable requirement, the compliance status, whether compliance was continuous or intermittent, the method used to determine compliance, and any other specific information required by the permit. The permit holder may satisfy this requirement through submittal of District-generated Compliance Certification forms. The certification should be directed to the District's Compliance and Enforcement Division at the address above, and a copy of the certification shall be sent to the Environmental Protection Agency at the following address:

I. Standard Conditions

Director of the Air Division
USEPA, Region IX
75 Hawthorne Street
San Francisco, CA 94105
Attention: Air-3

(MOP Volume II, Part 3, §4.5 and 4.15)

H. Emergency Provisions

1. The permit holder may seek relief from enforcement action in the event of a breakdown, as defined by Regulation 1-208 of the District's Rules and Regulations, by following the procedures contained in Regulations 1-431 and 1-432. The District will thereafter determine whether breakdown relief will be granted in accordance with Regulation 1-433. (MOP Volume II, Part 3, §4.8)
2. The permit holder may seek relief from enforcement action for a violation of any of the terms and conditions of this permit by applying to the District's Hearing Board for a variance pursuant to Health and Safety Code Section 42350. The Hearing Board will determine after notice and hearing whether variance relief should be granted in accordance with the procedures and standards set forth in Health and Safety Code Section 42350 et seq. (MOP Volume II, Part 3, §4.8)
3. The granting by the District of breakdown relief or the issuance by the Hearing Board of a variance will not provide relief from federal enforcement. (MOP Volume II, Part 3, §4.8)

I. Severability

In the event that any provision of this permit is invalidated by a court or tribunal of competent jurisdiction, or by the Administrator of the EPA, all remaining portions of the permit shall remain in full force and effect. (Regulation 2-6-409.5; MOP Volume II, Part 3, §4.10)

J. Miscellaneous Conditions

1. The maximum capacity for each source as shown in Table II-A is the maximum allowable capacity. Exceedance of the maximum allowable capacity for any source is a violation of Regulation 2, Rule 1, Section 301. (Regulation 2-1-301)

II. EQUIPMENT

Table II A - Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

| S# | Description | Make or Type | Model | Capacity |
|----|-----------------------------------|---|-------|---------------------|
| 1 | Loading Rack #1 | Bulk plant (truck/rail), multi-liquid | | 10 gasoline fillers |
| 2 | Storage Tank SJ-1 (Multi-liquid) | Chicago Bridge & Iron Company, Cone roof, internal floating pan | | 405K gallon |
| 3 | Storage Tank SJ-2 (Multi-liquid) | Chicago Bridge & Iron Company, Cone roof, internal floating pan | | 502K gallon |
| 5 | Storage Tank SJ-4 (Multi-liquid) | Chicago Bridge & Iron Company, Cone roof, internal floating pan | | 912K gallon |
| 6 | Storage Tank SJ-5 (Multi-liquid) | Chicago Bridge & Iron Company, Cone roof, internal floating pan | | 909K gallon |
| 7 | Storage Tank SJ-7 (Multi-liquid) | Chicago Bridge & Iron Company, Cone roof, internal floating pan | | 2038K gallon |
| 8 | Storage Tank SJ-8 (Multi-liquid) | Chicago Bridge & Iron Company, Cone roof, internal floating pan | | 1476K gallon |
| 9 | Storage Tank SJ-9 (Multi-liquid) | Chicago Bridge & Iron Company, Cone roof, internal floating pan | | 1479K gallon |
| 10 | Storage Tank SJ-10 (Multi-liquid) | Chicago Bridge & Iron Company, Cone roof, internal floating pan | | 2040K gallon |

II. Equipment

Table II A - Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

| S# | Description | Make or Type | Model | Capacity |
|----|-----------------------------------|---|-------|--------------|
| 12 | Storage Tank SJ-12 (Multi-liquid) | Chicago Bridge & Iron Company, Cone roof, internal floating pan | | 525K gallon |
| 13 | Storage Tank SJ-13 (Multi-liquid) | Chicago Bridge & Iron Company, Cone roof, internal floating pan | | 1020K gallon |
| 14 | Storage Tank SJ-14 (Multi-liquid) | Chicago Bridge & Iron Company, Cone roof, internal floating pan | | 815K gallon |
| 16 | Storage Tank SJ-17 (Multi-liquid) | Chicago Bridge & Iron Company, Cone roof, internal floating pan | | 1016K gallon |
| 17 | Storage Tank SJ-18 (Multi-liquid) | Chicago Bridge & Iron Company, Cone roof, internal floating pan | | 91K gallon |
| 18 | Storage Tank SJ-19 (Multi-liquid) | Chicago Bridge & Iron Company, Cone roof, internal floating pan | | 91K gallon |
| 19 | Storage Tank SJ-20 (Multi-liquid) | Chicago Bridge & Iron Company, Cone roof, internal floating pan | | 1121K gallon |
| 20 | Storage Tank SJ-21 (Multi-liquid) | Chicago Bridge & Iron Company, Cone roof, internal floating pan | | 1017K gallon |

II. Equipment

Table II A - Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

| S# | Description | Make or Type | Model | Capacity |
|----|-----------------------------------|--|-------|---------------------|
| 21 | Storage Tank SJ-22 (Multi-liquid) | Chicago Bridge & Iron Company, Cone roof, internal floating pan | | 1168K gallon |
| 22 | Storage Tank SJ-23 (Multi-liquid) | Pittsburg-Des Moines Steel Company, Cone roof, internal floating pan | | 1472K gallon |
| 23 | Storage Tank SJ-24 (Multi-liquid) | Pittsburg-Des Moines Steel Company, Cone roof, internal floating pan | | 1222K gallon |
| 25 | Storage Tank SJ-29 (Multi-liquid) | General American Transport Corporation, Cone roof, internal floating pan | | 1756K gallon |
| 26 | Storage Tank SJ-30 (Multi-liquid) | General American Transport Corporation, Cone roof, internal floating pan | | 3218K gallon |
| 27 | Storage Tank SJ-31 (Multi-liquid) | General American Transport Corporation, Cone roof, internal floating pan | | 2574K gallon |
| 28 | Loading Rack #2 (Multi-liquid) | Bulk plant (truck/rail), multi-liquid | | 10 gasoline fillers |
| 29 | Loading Rack #3 (Multi-liquid) | Bulk plant (truck/rail), multi-liquid | | 12 gasoline fillers |
| 30 | Loading Rack #4 (Multi-liquid) | Bulk plant (truck/rail), multi-liquid | | 9 gasoline fillers |

II. Equipment

Table II A - Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

| S# | Description | Make or Type | Model | Capacity |
|----|-----------------------------------|--|-------|---------------------|
| 31 | Loading Rack #5 (Multi-liquid) | Bulk plant (truck/rail), multi-liquid | | 10 gasoline fillers |
| 32 | Loading Rack #6 (Multi-liquid) | Bulk plant (truck/rail), multi-liquid | | 12 gasoline fillers |
| 33 | Storage Tank SJ-33 (Multi-liquid) | Chicago Bridge & Iron Company, Cone roof, internal floating pan | | 4200K gallon |
| 34 | Storage Tank SJ-16 (Multi-liquid) | Chicago Bridge & Iron Company, Cone roof, internal floating pan | | 840K gallon |
| 35 | Storage Tank SJ-27 (Multi-liquid) | General American Transport Corporation, Cone roof, internal floating pan | | 840K gallon |
| 36 | Storage Tank SJ-32 (Multi-liquid) | General American Transport Corporation, Cone roof, internal floating pan | | 1742K gallon |
| 39 | Storage Tank (Multi-liquid) | Underground, multi-liquid | | 2,100 gallon |
| 40 | Storage Tank SJ-34 (Multi-liquid) | Pittsburg-Des Moines Steel Company, Cone roof, internal floating pan | | 2520K gallon |
| 43 | Oil-Water Separator | Enquip Model TSI-M-10-27 | | 3.6K gallon/hr max. |

II. Equipment

Table II A - Permitted Sources

Each of the following sources has been issued a permit to operate pursuant to the requirements of BAAQMD Regulation 2, Permits. The capacities in this table are the maximum allowable capacities for each source, pursuant to Standard Condition I.J and Regulation 2-1-301.

| S# | Description | Make or Type | Model | Capacity |
|----|-----------------------------------|--|-------|-------------|
| 44 | Storage Tank SJ-28 (Multi-liquid) | General American Transport Corporation, Cone roof, internal floating pan | | 706K gallon |
| 45 | Sump Tank (Multi-liquid) | Underground, fixed roof | | 2420 gallon |

II. Equipment

Table II B - Abatement Devices

| A# | Description | Source(s) Controlled | Applicable Requirement | Operating Parameters | Limit or Efficiency |
|----|--|-----------------------------------|--|--------------------------|---|
| 2 | Vapor Processing Unit, John Zink thermal oxidizer, 1000 cfm <u>and vapor bladder</u> | S1, S28, S29, S30, S31, S32 | BAAQMD Regulations 8-33-301, 8-33-302, 8-33-309, and Condition ID #7492, part 7, part <u>14</u> | 600 degree Fahrenheit | 0.08 lb of VOC/1000 gallons of organic liquid loaded; and Exhaust Hydrocarbon <200 ppm as Propane averaged over six hour period. |

III. GENERALLY APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. These requirements apply in a general manner to the facility and/or to sources exempt from the requirement to obtain a District Permit to Operate. The District has determined that these requirements will not be violated under normal, routine operations, and that no additional periodic monitoring or reporting to demonstrate compliance is warranted. In cases where a requirement, in addition to being generally applicable, is also specifically applicable to one or more sources, the requirement and the source are also included in Section IV, Source-Specific Applicable Requirements, of this permit.

The dates in parenthesis in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full language of SIP requirements is included in Appendix A of this permit if the SIP requirement is different from the current BAAQMD requirement.

NOTE:

There are differences between the current BAAQMD rules and the versions of the rules in the SIP. All sources must comply with both versions of the rule until US EPA has reviewed and approved the District's revision of the regulation.

**Table III
 Generally Applicable Requirements**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) |
|-----------------------------|--|-----------------------------|
| BAAQMD Regulation 1 | General Provisions and Definitions (5/2/01) | N |
| SIP Regulation 1 | General Provisions and Definitions (8/27/99) | Y |
| BAAQMD Regulation 2, Rule 1 | General Requirements (8/1/01) | N |
| <u>BAAQMD 2-1-429</u> | <u>Federal Emissions Statement (6/7/95)</u> | <u>Y</u> |
| SIP Regulation 2, Rule 1 | General Requirements (8/27/99) | Y |

III. Generally Applicable Requirements

Table III
Generally Applicable Requirements

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) |
|-------------------------------|--|------------------------------------|
| BAAQMD Regulation 4 | Air Pollution Episode Plan (3/20/91) | N |
| SIP Regulation 4 | Air Pollution Episode Plan (8/06/90) | Y |
| BAAQMD Regulation 5 | Open Burning (11/2/94) | N |
| BAAQMD Regulation 6 | Particulate Matter and Visible Emissions (12/19/90) | N |
| BAAQMD Regulation 7 | Odororous Substances (3/17/82) | N |
| BAAQMD Regulation 8, Rule 1 | Organic Compounds - General Provisions (6/15/94) | Y |
| BAAQMD Regulation 8, Rule 3 | Organic Compounds - Architectural Coatings (12/20/95) | Y |
| BAAQMD Regulation 8, Rule 18 | Organic Compounds - Equipment Leaks (1/7/98) | Y |
| BAAQMD Regulation 8, Rule 25 | Organic Compounds - Pump and Compressor Seals at Petroleum Refineries, Chemical plants, Bulk plants, and Bulk terminals (6/1/94) | Y |
| BAAQMD Regulation 8, Rule 33 | Organic Compounds - Gasoline Bulk Terminals and Gasoline Delivery Vehicles | Y |
| BAAQMD Regulation 8, Rule 49 | Organic Compounds - Aerosol Paint Products (12/20/95) | N |
| SIP Regulation 8, Rule 49 | Organic Compounds - Aerosol Paint Products (3/22/95) | Y |
| BAAQMD Regulation 8, Rule 51 | Organic Compounds - Adhesive and Sealant Products (12/20/95) | N |
| BAAQMD Regulation 9, Rule 1 | Sulfur Dioxide | Y |
| BAAQMD Regulation 11, Rule 2 | Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (12/4/91) | Y |
| BAAQMD Regulation 12, Rule 4 | Miscellaneous Standards of Performance - Sandblasting (7/11/90) | Y |
| EPA Regulation 40 CFR 82 | Protection of Stratospheric Ozone (2/21/95) | |
| Subpart F, 40 CFR 82.156 | Leak Repair | Y |
| Subpart F, 40 CFR 82.161 | Certification of Technicians | Y |
| Subpart F, 40 CFR 82.166 | Records of Refrigerant | Y |

IV. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

The permit holder shall comply with all applicable requirements, including those specified in the BAAQMD and SIP Rules and Regulations and other federal requirements cited below. The requirements cited in the following tables apply in a specific manner to the indicated source(s).

The dates in parenthesis in the Title column identify the versions of the regulations being cited and are, as applicable:

1. BAAQMD regulation(s): The date(s) of adoption or most recent amendment of the regulation by the District Board
2. Any federal requirement, including a version of a District regulation that has been approved into the SIP: The most recent date of EPA approval of any portion of the rule, encompassing all actions on the rule through that date

The full text of each permit condition cited is included in Section VI, Permit Conditions, of this permit. The full language of SIP requirements is included in Appendix A of this permit if the SIP requirements are different from the current BAAQMD requirements. All other text may be found in the regulations themselves.

Table IV - A
Source-specific Applicable Requirements
S1, S28, S29, S30, S31, S32, - LOADING RACK 1, 2, 3, 4, 5, 6

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|-------------------------------------|--|-----------------------------|-----------------------|
| BAAQMD Regulation 1 | General Provisions and Definitions (5/02/01) | | |
| 1-523 | Parametric Monitoring and Recordkeeping Requirements | Y | |
| BAAQMD Regulation 8, Rule 33 | Gasoline Bulk Terminals and Gasoline Delivery Vehicles (6/1/94) | | |
| 8-33-112 | Tank Gauging and Inspection | Y | |
| 8-33-301 | Gasoline Bulk Terminal Limitations | Y | |
| 8-33-302 | Vapor Recovery System Requirements | Y | |
| 8-33-303 | Bottom Fill Requirement | Y | |
| 8-33-304 | Delivery Vehicle Requirements | Y | |
| 8-33-305 | Equipment Maintenance | Y | |
| 8-33-306 | Operating Practices | Y | |
| 8-33-307 | Loading Practices | Y | |
| 8-33-308 | Vapor Diaphragm Requirements | Y | |
| 8-33-309 | Vapor Recovery System Requirements - Loading Rack | Y | |

IV. Source-Specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements
S1, S28, S29, S30, S31, S32, - LOADING RACK 1, 2, 3, 4, 5, 6

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|-------------------------------|---|------------------------------------|------------------------------|
| 8-33-401 | Equipment Installation and Modification | Y | |
| 40 CFR 60 | Standards of Performance for New Stationary Sources (12/23/71) | Y | |
| Subpart A | General Provisions | Y | |
| 60.4(a) | Reports to EPA | Y | |
| 60.4(b) | Reports to the District | Y | |
| 60.7(a) | Written notification | Y | |
| 60.7(b) | Maintain records | Y | |
| 60.8 | Performance Tests | Y | |
| 60.9 | Availability of Information | Y | |
| 60.11(a) | Compliance with standards and maintenance requirements | Y | |
| 60.11(d) | Minimizing emissions | Y | |
| 60.12 | Circumvention | Y | |
| 60.19 | General notification and reporting requirements | Y | |
| 40 CFR 60, Subpart XX | Standards of Performance for Bulk Gasoline Terminals (8/18/83) | | |
| 60.502 | Standards for Volatile Organic Compound (VOC) emissions | | |
| 60.502(a) | Vapor collection system requirements | Y | |
| 60.502(b) | Volatile Organic Compound (VOC) emissions limit | Y | |
| 60.502(d) | Prevention of vapor collected at one rack to another | Y | |
| 60.502(e) | Loading to only vapor tight tank truck | Y | |
| 60.502(f) | Tank truck vapor collection compatible with terminal vapor collection system | Y | |
| 60.502(g) | Terminal and tank truck vapor collection system connected during each loading | Y | |
| 60.502(h) | Tank truck pressure limit | Y | |
| 60.502(i) | Vapor collection system vent release pressure limit | Y | |
| 60.502(j) | Vapor collection system leak inspection monthly | Y | |
| 60.503 | Test methods and procedures | | |
| 60.503(a) | Performance test methods and procedures | Y | |
| 60.503(b) | Monitor leakage | Y | |
| 60.503(c) | Emission compliance determination | Y | |
| 60.503(d) | Tank truck pressure compliance determination | Y | |
| 60.505 | Reporting and record keeping | | |
| 60.505(a) | Tank truck vapor tightness documents | Y | |

IV. Source-Specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements
S1, S28, S29, S30, S31, S32, - LOADING RACK 1, 2, 3, 4, 5, 6

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|--------------------------------|---|------------------------------------|------------------------------|
| 60.505(b) | Update documents for each tank truck | Y | |
| 60.505(c) | Leak inspection records | Y | |
| 60.505(d) | Records of notification | Y | |
| 60.505(f) | Records of replacements or addition of components | Y | |
| BAAQMD Condition # 7492 | | | |
| part 1 | CARB certification (basis: BAAQMD Regulation 8-33-302) | Y | |
| part 2 | Throughput limit, hourly (basis: BAAQMD Regulation 8-33-307, Cumulative increase) | Y | |
| part 3 | Throughput limit, daily (basis: BAAQMD Regulation 8-33-307, Cumulative increase) | Y | |
| part 4 | Recordkeeping requirements of throughput (basis: BAAQMD Regulation 2-6-501, Cumulative increase) | Y | |
| part 5 | Monitoring instrument/equipment/ports requirements (basis: BAAQMD Regulation 8-33-308) | Y | |
| part 6 | Gasoline loading and abatement device operational requirements (basis: BAAQMD Regulations 8-33-301, 8-33-308) | Y | |
| part 7 | Abatement device exhaust VOC emission limit (basis: BAAQMD Regulation 8-33-301, Cumulative increase) | Y | |
| part 8 | Vapor holder alarm requirements (basis: BAAQMD Regulation 8-33-308) | Y | |
| part 9 | Vapor holder alarm analyzer setting requirements (basis: BAAQMD Regulation 8-33-308) | Y | |
| part 10 | Equipment operating condition requirements (basis: BAAQMD Regulation 8-33-305) | Y | |
| part 11 | Maintenance recordkeeping of vapor recovery system (basis: BAAQMD Regulation 2-6-501) | Y | |
| part 12 | Ethanol throughput limit (basis: Cumulative increase) | Y | |
| part 13 | Abatement device requirement (basis: BAAQMD Regulation 8-33-301, BACT) | Y | |
| part 14 | Abatement device operating temperature requirement (basis: Regulation 8-33-301) | Y | |

IV. Source-Specific Applicable Requirements

Table IV - A
Source-specific Applicable Requirements
S1, S28, S29, S30, S31, S32, - LOADING RACK 1, 2, 3, 4, 5, 6

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|-------------------------------|--|------------------------------------|------------------------------|
| part 15 | Temperature limit applicability and allowable temperature excursion (basis: Regulation 2-1-403) | Y | |
| Part 16 | Temperature records recordkeeping (basis: Regulation 2-1-403, Regulation 2-6-501) | Y | |
| Part 17 | Temperature excursion (basis: Regulation 2-1-403) | Y | |
| Part 18 | Temperature monitoring and recording device requirements and recordkeeping (basis: Regulation 2-6-501) | Y | |
| <u>Part 19</u> | <u>Operating mode change-record keeping requirements (basis: Regulation 2-6-409.7, 2-6-501)</u> | <u>Y</u> | |

Table IV - B
Source-specific Applicable Requirements
S2, S5, S19, S23, S26 - STORAGE TANKS - INTERNAL FLOATING ROOF

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------------|--|------------------------------------|------------------------------|
| BAAQMD Regulation 8, Rule 5 | Organic Compounds - Storage of Organic Liquids (12/15/99) | | |
| 8-5-111 | Limited Exemption, Tank Removal From and Return to Service | N | |
| 8-5-112 | Limited Exemption, Tanks in Operation | N | |
| 8-5-304 | Storage Tanks Larger than 75 m3 | Y | |
| 8-5-304.2 | Storage Tanks larger than 39,626 gallon capacity | Y | |
| 8-5-311 | Vapor Loss Control Device Requirements | Y | |
| 8-5-311.2.3 | Primary and Secondary seals | Y | |
| 8-5-320 | Tank Fitting requirements | N | |
| 8-5-320.1 | Secondary seal requirements | Y | |
| 8-5-320.2 | Roof opening requirements | Y | |
| 8-5-320.3 | Pressure-vacuum valves requirements | N | |
| 8-5-320.4 | Solid sampling or gauging wells requirements | Y | |
| 8-5-320.5 | Slotted sampling or gauging wells requirements | N | |

IV. Source-Specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S2, S5, S19, S23, S26 - STORAGE TANKS - INTERNAL FLOATING ROOF

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|--------------------------------|---|------------------------------------|------------------------------|
| 8-5-320.5.1 | Well projection | Y | |
| 8-5-320.5.3 | Gap measurements | Y | |
| 8-5-320.6 | Emergency roof drain cover | Y | |
| 8-5-321 | Primary Seal Requirements | N | |
| 8-5-321.1 | No openings such as holes etc. | N | |
| 8-5-321.2 | Seal liquid mounted | Y | |
| 8-5-321.3 | Metallic-shoe-seal requirements | N | |
| 8-5-321.3.1 | Geometry of the shoe | Y | |
| 8-5-321.3.2 | Welded tank gap allowed | Y | |
| 8-5-322 | Secondary Seal requirements | Y | |
| 8-5-322.1 | No openings such as holes etc. | Y | |
| 8-5-322.2 | Insertion access to measure gaps in primary seal | Y | |
| 8-5-322.3 | Welded tank secondary seal gap requirements | Y | |
| 8-5-322.5 | Welded tank gap allowed | Y | |
| 8-5-329 | Ozone Excess Day Prohibition | Y | |
| 8-5-330 | View port Installation | Y | |
| 8-5-401 | Primary Seal Inspection | Y | |
| 8-5-401.2 | Primary Seal Inspection once every 10 years | Y | |
| 8-5-402 | Secondary Seal and Fitting Inspection | Y | |
| 8-5-402.2 | Secondary Seal and Fitting Inspection once every 10 years | Y | |
| 8-5-403 | Visual Inspection | Y | |
| 8-5-404 | Certification | Y | |
| 8-5-404.1 | Primary seal certification | Y | |
| 8-5-404.2.2 | Secondary seal certification | Y | |
| 8-5-405 | Information Required | Y | |
| 8-5-501 | Records, liquid type and true vapor pressure ranges | Y | |
| SIP Regulation 8 Rule 5 | Organic Compounds - Storage of Organic Liquids (8/25/97) | | |
| 8-5-111 | Limited Exemption, Tank Removal From and Return to Service | Y | |
| 8-5-112 | Limited Exemption, Floating Roofs in Operation | Y | |
| 8-5-320 | Tank Fitting requirements | Y | |

IV. Source-Specific Applicable Requirements

Table IV - B
Source-specific Applicable Requirements
S2, S5, S19, S23, S26 - STORAGE TANKS - INTERNAL FLOATING ROOF

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|-------------------------------|---|------------------------------------|------------------------------|
| 8-5-320.1 | Secondary seal requirements | Y | |
| 8-5-320.2 | Roof opening requirements | Y | |
| 8-5-320.3 | Pressure-vacuum valves requirements | Y | |
| 8-5-320.4 | Solid sampling or gauging wells requirements | Y | |
| 8-5-320.5 | Slotted sampling or gauging wells requirements | Y | |
| 8-5-320.5.1 | Well projection | Y | |
| 8-5-320.5.3 | Gap measurements | Y | |
| 8-5-320.6 | Emergency roof drain cover | Y | |
| 8-5-321 | Primary Seal Requirements | Y | |
| 8-5-321.1 | No openings such as holes etc. | Y | |
| 8-5-321.2 | Seal liquid mounted | Y | |

Table IV - C
Source-specific Applicable Requirements
S3, S6, S7, S8, S9, S10, S13, S14, S16, S17, S18, S20, S21, S22, S25, S27, S34, S35 - STORAGE TANKS-INTERNAL FLOATING ROOF

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------------|--|------------------------------------|------------------------------|
| BAAQMD Regulation 8, Rule 5 | Organic Compounds - Storage of Organic Liquids (12/15/99) | | |
| 8-5-111 | Limited Exemption, Tank Removal From and Return to Service | N | |
| 8-5-112 | Limited Exemption, Tanks in Operation | N | |
| 8-5-304 | Storage Tanks Larger than 75 m3 | Y | |
| 8-5-304.2 | Storage Tanks larger than 39,626 gallon capacity | Y | |
| 8-5-311 | Vapor Loss Control Device Requirements | Y | |
| 8-5-311.2.1 | Liquid mounted primary seal | Y | |
| 8-5-320 | Tank Fitting requirements | N | |
| 8-5-320.2 | Roof opening requirements | Y | |

IV. Source-Specific Applicable Requirements

Table IV - C
Source-specific Applicable Requirements
S3, S6, S7, S8, S9, S10, S13, S14, S16, S17, S18, S20, S21, S22, S25, S27, S34, S35 -
STORAGE TANKS-INTERNAL FLOATING ROOF

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|--------------------------------|---|------------------------------------|------------------------------|
| 8-5-320.3 | Pressure-vacuum valves requirements | N | |
| 8-5-320.4 | Solid sampling or gauging wells requirements | Y | |
| 8-5-320.5 | Slotted sampling or gauging wells requirements | N | |
| 8-5-320.5.1 | Well projection | Y | |
| 8-5-320.5.3 | Gap measurements | Y | |
| 8-5-320.6 | Emergency roof drain cover | Y | |
| 8-5-321 | Primary Seal Requirements | N | |
| 8-5-321.1 | No openings such as holes etc. | N | |
| 8-5-321.2 | Seal liquid mounted | Y | |
| 8-5-329 | Ozone Excess Day Prohibition | Y | |
| 8-5-330 | Viewport Installation | Y | |
| 8-5-401 | Primary Seal Inspection | Y | |
| 8-5-401.2 | Primary Seal Inspection once every 10 years | Y | |
| 8-5-403 | Visual Inspection | Y | |
| 8-5-404 | Certification | Y | |
| 8-5-404.1 | Primary seal certification | Y | |
| 8-5-405 | Information Required | Y | |
| 8-5-501 | Records, liquid type and true vapor pressure ranges | Y | |
| SIP Regulation 8 Rule 5 | Organic Compounds - Storage of Organic Liquids (8/25/97) | | |
| 8-5-111 | Limited Exemption, Tank Removal From and Return to Service | Y | |
| 8-5-112 | Limited Exemption, Floating Roofs in Operation | Y | |
| 8-5-320 | Tank Fitting requirements | Y | |
| 8-5-320.2 | Roof opening requirements | Y | |
| 8-5-320.3 | Pressure-vacuum valves requirements | N | |
| 8-5-320.4 | Solid sampling or gauging wells requirements | Y | |
| 8-5-320.5 | Slotted sampling or gauging wells requirements | N | |
| 8-5-320.5.1 | Well projection | Y | |
| 8-5-320.5.3 | Gap measurements | Y | |
| 8-5-320.6 | Emergency roof drain cover | Y | |
| 8-5-321 | Primary Seal Requirements | Y | |

IV. Source-Specific Applicable Requirements

Table IV - C
Source-specific Applicable Requirements
S3, S6, S7, S8, S9, S10, S13, S14, S16, S17, S18, S20, S21, S22, S25, S27, S34, S35 -
STORAGE TANKS-INTERNAL FLOATING ROOF

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|-------------------------------|---|------------------------------------|------------------------------|
| 8-5-321.1 | No openings such as holes etc. | N | |
| 8-5-321.2 | Seal liquid mounted | Y | |

Table IV - D
Source-specific Applicable Requirements
S12 - STORAGE TANK - INTERNAL FLOATING ROOF

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------------|--|------------------------------------|------------------------------|
| BAAQMD Regulation 8, Rule 5 | Organic Compounds - Storage of Organic Liquids (12/15/99) | | |
| 8-5-111 | Limited Exemption, Tank Removal From and Return to Service | N | |
| 8-5-112 | Limited Exemption, Tanks in Operation | N | |
| 8-5-304 | Storage Tanks Larger than 75 m3 | Y | |
| 8-5-304.2 | Storage Tanks larger than 39,626 gallon capacity | Y | |
| 8-5-311 | Vapor Loss Control Device Requirements | Y | |
| 8-5-311.2.1 | Liquid mounted primary seal | Y | |
| 8-5-320 | Tank Fitting requirements | N | |
| 8-5-320.2 | Roof opening requirements | Y | |
| 8-5-320.3 | Pressure-vacuum valves requirements | N | |
| 8-5-320.4 | Solid sampling or gauging wells requirements | Y | |
| 8-5-320.5 | Slotted sampling or gauging wells requirements | N | |
| 8-5-320.5.1 | Well projection | Y | |
| 8-5-320.5.3 | Gap measurements | Y | |
| 8-5-320.6 | Emergency roof drain cover | Y | |
| 8-5-321 | Primary Seal Requirements | N | |
| 8-5-321.1 | No openings such as holes etc. | N | |
| 8-5-321.2 | Seal liquid mounted | Y | |
| 8-5-329 | Ozone Excess Day Prohibition | Y | |

IV. Source-Specific Applicable Requirements

Table IV - D
Source-specific Applicable Requirements
S12 - STORAGE TANK - INTERNAL FLOATING ROOF

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|--------------------------------|--|------------------------------------|------------------------------|
| 8-5-330 | View port Installation | Y | |
| 8-5-401 | Primary Seal Inspection | Y | |
| 8-5-401.2 | Primary Seal Inspection once every 10 years | Y | |
| 8-5-403 | Visual Inspection | Y | |
| 8-5-404 | Certification | Y | |
| 8-5-404.1 | Primary seal certification | Y | |
| 8-5-405 | Information Required | Y | |
| 8-5-501 | Records, liquid type and true vapor pressure ranges | Y | |
| SIP Regulation 8 Rule 5 | Organic Compounds - Storage of Organic Liquids (8/25/97) | | |
| 8-5-111 | Limited Exemption, Tank Removal From and Return to Service | Y | |
| 8-5-112 | Limited Exemption, Floating Roofs in Operation | Y | |
| 8-5-320 | Tank Fitting requirements | Y | |
| 8-5-320.2 | Roof opening requirements | Y | |
| 8-5-320.3 | Pressure-vacuum valves requirements | N | |
| 8-5-320.4 | Solid sampling or gauging wells requirements | Y | |
| 8-5-320.5 | Slotted sampling or gauging wells requirements | N | |
| 8-5-320.5.1 | Well projection | Y | |
| 8-5-320.5.3 | Gap measurements | Y | |
| 8-5-320.6 | Emergency roof drain cover | Y | |
| 8-5-321 | Primary Seal Requirements | Y | |
| 8-5-321.1 | No openings such as holes etc. | N | |
| 8-5-321.2 | Seal liquid mounted | Y | |
| BAAQMD Condition #5406 | | | |
| part 1 | Ethanol throughput limit, yearly (basis: Cumulative increase) | Y | |
| part 2 | Recordkeeping requirements of throughput (basis: BAAQMD Regulation 2-6-501, Cumulative increase) | Y | |

IV. Source-Specific Applicable Requirements

Table IV - E
Source-specific Applicable Requirements
S33, S40 - STORAGE TANKS - INTERNAL FLOATING ROOF

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------------|--|------------------------------------|------------------------------|
| BAAQMD Regulation 8, Rule 5 | Organic Compounds - Storage of Organic Liquids (12/15/99) | | |
| 8-5-111 | Limited Exemption, Tank Removal From and Return to Service | N | |
| 8-5-112 | Limited Exemption, Tanks in Operation | N | |
| 8-5-304 | Storage Tanks Larger than 75 m3 | Y | |
| 8-5-304.2 | Storage Tanks larger than 39,626 gallon capacity | Y | |
| 8-5-311 | Vapor Loss Control Device Requirements | Y | |
| 8-5-311.2.3 | Liquid mounted primary and a secondary seal | Y | |
| 8-5-320 | Tank Fitting requirements | N | |
| 8-5-320.2 | Roof opening requirements | Y | |
| 8-5-320.3 | Pressure-vacuum valves requirements | N | |
| 8-5-320.4 | Solid sampling or gauging wells requirements | Y | |
| 8-5-320.5 | Slotted sampling or gauging wells requirements | N | |
| 8-5-320.5.1 | Well projection | Y | |
| 8-5-320.5.3 | Gap measurements | Y | |
| 8-5-320.6 | Emergency roof drain cover | Y | |
| 8-5-321 | Primary Seal Requirements | N | |
| 8-5-321.1 | No openings such as holes etc. | N | |
| 8-5-321.2 | Seal liquid mounted | Y | |
| 8-5-321.3 | Metallic-shoe-seal requirements | N | |
| 8-5-321.3.1 | Geometry of the shoe | Y | |
| 8-5-321.3.2 | Welded tank gap allowed | Y | |
| 8-5-322 | Secondary Seal requirements | Y | |
| 8-5-322.1 | No openings such as holes etc. | Y | |
| 8-5-322.2 | Insertion access to measure gaps in primary seal | Y | |
| 8-5-322.3 | Welded tank gap allowed | Y | |
| 8-5-329 | Ozone Excess Day Prohibition | Y | |
| 8-5-330 | Viewport Installation | Y | |
| 8-5-401 | Primary Seal Inspection | Y | |
| 8-5-401.2 | Primary Seal Inspection once every 10 years | Y | |
| 8-5-402 | Secondary Seal and Fitting Inspection | Y | |
| 8-5-402.2 | Secondary Seal and Fitting Inspection once every 10 years | Y | |

IV. Source-Specific Applicable Requirements

Table IV - E
Source-specific Applicable Requirements
S33, S40 - STORAGE TANKS - INTERNAL FLOATING ROOF

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|--------------------------------|---|------------------------------------|------------------------------|
| 8-5-403 | Visual Inspection | Y | |
| 8-5-404 | Certification | Y | |
| 8-5-404.1 | Primary seal certification | Y | |
| 8-5-404.2.2 | Secondary seal certification | Y | |
| 8-5-405 | Information Required | Y | |
| 8-5-501 | Records, liquid type and true vapor pressure ranges | Y | |
| SIP Regulation 8 Rule 5 | Organic Compounds - Storage of Organic Liquids (8/25/97) | | |
| 8-5-111 | Limited Exemption, Tank Removal From and Return to Service | Y | |
| 8-5-112 | Limited Exemption, Floating Roofs in Operation | Y | |
| 8-5-320 | Tank Fitting requirements | Y | |
| 8-5-320.2 | Roof opening requirements | Y | |
| 8-5-320.3 | Pressure-vacuum valves requirements | N | |
| 8-5-320.4 | Solid sampling or gauging wells requirements | Y | |
| 8-5-320.5 | Slotted sampling or gauging wells requirements | N | |
| 8-5-320.5.1 | Well projection | Y | |
| 8-5-320.5.3 | Gap measurements | Y | |
| 8-5-320.6 | Emergency roof drain cover | Y | |
| 8-5-321 | Primary Seal Requirements | Y | |
| 8-5-321.1 | No openings such as holes etc. | N | |
| 8-5-321.2 | Seal liquid mounted | Y | |
| 40 CFR 60 | Standards of Performance for New Stationary Sources (12/23/71) | Y | |
| Subpart A | General Provisions | Y | |
| 60.4(a) | Reports to EPA | Y | |
| 60.4(b) | Reports to the District | Y | |
| 60.7(a) | Written notification | Y | |
| 60.7(b) | Records | Y | |
| 60.8 | Performance Tests | Y | |
| 60.9 | Availability of Information | Y | |
| 60.11(a) | Compliance with standards and maintenance requirements | Y | |
| 60.11(d) | Minimizing emissions | Y | |
| 60.12 | Circumvention | Y | |

IV. Source-Specific Applicable Requirements

Table IV - E
Source-specific Applicable Requirements
S33, S40 - STORAGE TANKS - INTERNAL FLOATING ROOF

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|-------------------------------|---|------------------------------------|------------------------------|
| 60.19 | General notification and reporting requirements | Y | |
| 40 CFR 60, Subpart Kb | Standards of Performance for Volatile Organic Liquid Storage Vessels (including Petroleum Liquid Vessels) for Which Construction, Reconstruction, or Modification Commenced After July 23, 1984 (4/8/87) | | |
| 60.112b(a)(1) | Internal floating roof requirement & specifications | Y | |
| 60.112b(a)(1)(i) | Rest or float on liquid surface | Y | |
| 60.112b(a)(1)(ii)(C) | Mechanical shoe seal for S33 | Y | |
| 60.112b(a)(1)(ii)(A) | Foam log seal for S40 | Y | |
| 60.112b(a)(1)(iii) | Opening projection requirement except automatic bleeder and rim space vents | Y | |
| 60.112b(a)(1)(iv) | Opening cover/lid requirements except for leg sleeves, automatic bleeder and rim space vents, column, ladder, sample wells, and stub drains | Y | |
| 60.112b(a)(1)(v) | Gasket for automatic bleeder vents | Y | |
| 60.112b(a)(1)(vi) | Gasket for rim space vents | Y | |
| 60.112b(a)(1)(vii) | Slit fabric cover for sample wells | Y | |
| 60.112b(a)(1)(viii) | Flexible fabric sleeve or gasketed sliding cover for each penetration that allows for passage of fixed roof supporting column | Y | |
| 60.112b(a)(1)(ix) | Gasketed sliding cover for each penetration that allows for passage of ladder | Y | |
| 60.113b | Testing and procedures | Y | |
| 60.113b(a)(1) | Visual Seal inspection before filling the vessel | Y | |
| 60.113b(a)(2) | Inspection once every 12 months after initial fill | Y | |
| 60.113b(a)(4) | Visual seal inspection each time tank is emptied and degassed | Y | |
| 60.113b(a)(5) | Notify Administrator | Y | |
| 60.115b | Reporting and recordkeeping | Y | |

IV. Source-Specific Applicable Requirements

Table IV - E
Source-specific Applicable Requirements
S33, S40 - STORAGE TANKS - INTERNAL FLOATING ROOF

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|-------------------------------|--|------------------------------------|------------------------------|
| 60.115b(a) (1) | Furnish report to the Administrator | Y | |
| 60.115b(a) (2) | Record of each inspection | Y | |
| 60.115b(a) (3) | Report defects etc. to the Administrator | Y | |
| 60.115b(a)(4) | Report defects etc. to the Administrator | Y | |
| 60.116b | Monitoring of operations | Y | |
| 60.116b(a) | Recordkeeping for 2 years | Y | |
| 60.116b(c) | Records of liquid stored, period of storage, and maximum true vapor pressure | Y | |
| 60.116b(d) | Notify the Administrator | Y | |
| 60.116b(e) | Determination of maximum vapor pressure | Y | |

Table IV - F
Source-specific Applicable Requirements
S36 - STORAGE TANK - INTERNAL FLOATING ROOF

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------------|--|------------------------------------|------------------------------|
| BAAQMD Regulation 8, Rule 5 | Organic Compounds - Storage of Organic Liquids (12/15/99) | | |
| 8-5-111 | Limited Exemption, Tank Removal From and Return to Service | N | |
| 8-5-112 | Limited Exemption, Tanks in Operation | N | |
| 8-5-304 | Storage Tanks Larger than 75 m3 | Y | |
| 8-5-304.2 | Storage Tanks larger than 39,626 gallon capacity | Y | |
| 8-5-311 | Vapor Loss Control Device Requirements | Y | |
| 8-5-311.2.1 | Liquid mounted primary seal | Y | |
| 8-5-320 | Tank Fitting requirements | N | |
| 8-5-320.2 | Roof opening requirements | Y | |

IV. Source-Specific Applicable Requirements

Table IV - F
Source-specific Applicable Requirements
S36 - STORAGE TANK - INTERNAL FLOATING ROOF

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|--------------------------------|---|------------------------------------|------------------------------|
| 8-5-320.3 | Pressure-vacuum valves requirements | N | |
| 8-5-320.4 | Solid sampling or gauging wells requirements | Y | |
| 8-5-320.5 | Slotted sampling or gauging wells requirements | N | |
| 8-5-320.5.1 | Well projection | Y | |
| 8-5-320.5.3 | Gap measurements | Y | |
| 8-5-320.6 | Emergency roof drain cover | Y | |
| 8-5-321 | Primary Seal Requirements | N | |
| 8-5-321.1 | No openings such as holes etc. | N | |
| 8-5-321.2 | Seal liquid mounted | Y | |
| 8-5-329 | Ozone Excess Day Prohibition | Y | |
| 8-5-330 | Viewport Installation | Y | |
| 8-5-401 | Primary Seal Inspection | Y | |
| 8-5-401.2 | Primary Seal Inspection once every 10 years | Y | |
| 8-5-403 | Visual Inspection | Y | |
| 8-5-404 | Certification | Y | |
| 8-5-404.1 | Primary seal certification | Y | |
| 8-5-405 | Information Required | Y | |
| 8-5-501 | Records, liquid type and true vapor pressure ranges | Y | |
| SIP Regulation 8 Rule 5 | Organic Compounds - Storage of Organic Liquids (8/25/97) | | |
| 8-5-111 | Limited Exemption, Tank Removal From and Return to Service | Y | |
| 8-5-112 | Limited Exemption, Floating Roofs in Operation | Y | |
| 8-5-320 | Tank Fitting requirements | Y | |
| 8-5-320.2 | Roof opening requirements | Y | |
| 8-5-320.3 | Pressure-vacuum valves requirements | N | |
| 8-5-320.4 | Solid sampling or gauging wells requirements | Y | |
| 8-5-320.5 | Slotted sampling or gauging wells requirements | N | |
| 8-5-320.5.1 | Well projection | Y | |
| 8-5-320.5.3 | Gap measurements | Y | |
| 8-5-320.6 | Emergency roof drain cover | Y | |
| 8-5-321 | Primary Seal Requirements | Y | |
| 8-5-321.1 | No openings such as holes etc. | N | |

IV. Source-Specific Applicable Requirements

Table IV - F
Source-specific Applicable Requirements
S36 - STORAGE TANK - INTERNAL FLOATING ROOF

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|-------------------------------|---|------------------------------------|------------------------------|
| 8-5-321.2 | Seal liquid mounted | Y | |
| 40 CFR 60 | Standards of Performance for New Stationary Sources (12/23/71) | Y | |
| Subpart A | General Provisions | Y | |
| 60.4(a) | Reports to EPA | Y | |
| 60.4(b) | Reports to the District | Y | |
| 60.7(a) | Written notification | Y | |
| 60.7(b) | Maintain records | Y | |
| 60.8 | Performance Tests | Y | |
| 60.9 | Availability of Information | Y | |
| 60.11(a) | Compliance with standards and maintenance requirements | Y | |
| 60.11(d) | Minimizing emissions | Y | |
| 60.12 | Circumvention | Y | |
| 60.19 | General notification and reporting requirements | Y | |
| 40 CFR 60, Subpart Ka | Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984 (4/4/80) | | |
| 60.112a(a)(2) | Fixed roof with an internal floating type cover | Y | |
| 60.115a(a) | Record keeping | Y | |
| 60.115a(b) | True vapor pressure determination | Y | |
| 60.115a(c) | Crude oil true vapor pressure determination | Y | |

Table IV - G
Source-specific Applicable Requirements
S39 - STORAGE TANK - UNDERGROUND

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|-------------------------------|---|------------------------------------|------------------------------|
|-------------------------------|---|------------------------------------|------------------------------|

IV. Source-Specific Applicable Requirements

Table IV - G
Source-specific Applicable Requirements
S39 - STORAGE TANK - UNDERGROUND

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------------|--|-----------------------------|-----------------------|
| BAAQMD Regulation 8, Rule 5 | Organic Compounds - Storage of Organic Liquids (12/15/99) | | |
| 8-5-301 | Storage Tanks Smaller than 75 m ³ | Y | |
| 8-5-301.1 | A submerged fill pipe | Y | |

Table IV - H
Source-specific Applicable Requirements
S43 - OIL/WATER SEPARATOR

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------------|--|-----------------------------|-----------------------|
| BAAQMD Regulation 8, Rule 8 | Organic Compounds - Wastewater (Oil-Water) Separators (11/1/89) | | |
| 8-8-301 | Wastewater separators greater than 760 liter per day (200 gallons/day) and smaller than 18.9 liter per second (300 gallons/minute) | Y | |
| 8-8-301.1 | Solid, vapor-tight, full contact fixed cover requirements | Y | |
| 8-8-303 | Gauging and Sampling Devices requirements | Y | |
| 8-8-305 | Oil/water Separator and/or Air Flotation Unit slop oil vessels | Y | |
| 8-8-305.1 | Solid, gasketed, fixed cover, etc. requirements | Y | |
| 8-8-306 | Oil/water Separator Effluent Channel, Pond, Trench, or Basin | Y | |
| 8-8-306.1 | Solid, gasketed, fixed cover, etc. requirements | Y | |
| 8-8-308 | Junction Box requirements | Y | |
| 8-8-501 | Bypassed wastewater recordkeeping requirements | Y | |
| 8-8-503 | Inspections and repairs recordkeeping requirements | Y | |

IV. Source-Specific Applicable Requirements

Table IV - I
Source-specific Applicable Requirements
S44 - STORAGE TANK - INTERNAL FLOATING ROOF

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------------|--|------------------------------------|------------------------------|
| BAAQMD Regulation 8, Rule 5 | Organic Compounds - Storage of Organic Liquids (12/15/99) | | |
| 8-5-111 | Limited Exemption, Tank Removal From and Return to Service | N | |
| 8-5-112 | Limited Exemption, Tanks in Operation | N | |
| 8-5-304 | Storage Tanks Larger than 75 m3 | Y | |
| 8-5-304.2 | Storage Tanks larger than 39,626 gallon capacity | Y | |
| 8-5-311 | Vapor Loss Control Device Requirements | Y | |
| 8-5-311.2.3 | A liquid mounted primary and a secondary seal | Y | |
| 8-5-320 | Tank Fitting requirements | N | |
| 8-5-320.2 | Roof opening requirements | Y | |
| 8-5-320.3 | Pressure-vacuum valves requirements | N | |
| 8-5-320.4 | Solid sampling or gauging wells requirements | Y | |
| 8-5-320.5 | Slotted sampling or gauging wells requirements | N | |
| 8-5-320.5.1 | Well projection | Y | |
| 8-5-320.5.3 | Gap measurements | Y | |
| 8-5-320.6 | Emergency roof drain cover | Y | |
| 8-5-321 | Primary Seal Requirements | N | |
| 8-5-321.1 | No openings such as holes etc. | N | |
| 8-5-321.2 | Seal liquid mounted | Y | |
| 8-5-322 | Secondary Seal requirements | Y | |
| 8-5-322.1 | No openings such as holes etc. | Y | |
| 8-5-322.2 | Insertion access to measure gaps in primary seal | Y | |
| 8-5-322.3 | Welded tank gap allowed | Y | |
| 8-5-329 | Ozone Excess Day Prohibition | Y | |
| 8-5-330 | Viewport Installation | Y | |
| 8-5-401 | Primary Seal Inspection | Y | |
| 8-5-401.2 | Primary Seal Inspection once every 10 years | Y | |
| 8-5-402 | Secondary Seal and Fitting Inspection | Y | |
| 8-5-402.2 | Secondary Seal and Fitting Inspection once every 10 years | Y | |
| 8-5-403 | Visual Inspection | Y | |

IV. Source-Specific Applicable Requirements

Table IV - I
Source-specific Applicable Requirements
S44 - STORAGE TANK - INTERNAL FLOATING ROOF

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|--------------------------------|---|------------------------------------|------------------------------|
| 8-5-404 | Certification | Y | |
| 8-5-404.1 | Primary seal certification | Y | |
| 8-5-404.2.2 | Secondary seal certification | Y | |
| 8-5-405 | Information Required | Y | |
| 8-5-501 | Records, liquid type and true vapor pressure ranges | Y | |
| SIP Regulation 8 Rule 5 | Organic Compounds - Storage of Organic Liquids (8/25/97) | | |
| 8-5-111 | Limited Exemption, Tank Removal From and Return to Service | Y | |
| 8-5-112 | Limited Exemption, Floating Roofs in Operation | Y | |
| 8-5-320 | Tank Fitting requirements | Y | |
| 8-5-320.2 | Roof opening requirements | Y | |
| 8-5-320.3 | Pressure-vacuum valves requirements | N | |
| 8-5-320.4 | Solid sampling or gauging wells requirements | Y | |
| 8-5-320.5 | Slotted sampling or gauging wells requirements | N | |
| 8-5-320.5.1 | Well projection | Y | |
| 8-5-320.5.3 | Gap measurements | Y | |
| 8-5-320.6 | Emergency roof drain cover | Y | |
| 8-5-321 | Primary Seal Requirements | Y | |
| 8-5-321.1 | No openings such as holes etc. | N | |
| 8-5-321.2 | Seal liquid mounted | Y | |
| 40 CFR 60 | Standards of Performance for New Stationary Sources (12/23/71) | Y | |
| Subpart A | General Provisions | Y | |
| 60.4(a) | Reports to EPA | Y | |
| 60.4(b) | Reports to the District | Y | |
| 60.7(a) | Written notification | Y | |
| 60.7(b) | Records | Y | |
| 60.8 | Performance Tests | Y | |
| 60.9 | Availability of Information | Y | |
| 60.11(a) | Compliance with standards and maintenance requirements | Y | |
| 60.11(d) | Minimizing emissions | Y | |
| 60.12 | Circumvention | Y | |
| 60.19 | General notification and reporting requirements | Y | |

IV. Source-Specific Applicable Requirements

Table IV - I
Source-specific Applicable Requirements
S44 - STORAGE TANK - INTERNAL FLOATING ROOF

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------|---|-----------------------------|-----------------------|
| 40 CFR 60, Subpart Ka | Standards of Performance for Storage Vessels for Petroleum Liquids for Which Construction, Reconstruction, or Modification Commenced After May 18, 1978, and Prior to July 23, 1984 (4/4/80) | | |
| 60.112a(a)(2) | Fixed roof with an internal floating type cover | Y | |
| 60.115a(a) | Record keeping | Y | |
| 60.115a(b) | True vapor pressure determination | Y | |
| 60.115a(c) | Crude oil true vapor pressure determination | Y | |

Table IV - J
Source-specific Applicable Requirements
S45 - SUMP TANK - UNDERGROUND

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|------------------------------------|--|-----------------------------|-----------------------|
| BAAQMD Regulation 8, Rule 5 | Organic Compounds - Storage of Organic Liquids (12/15/99) | | |
| 8-5-301 | Storage Tanks Smaller than 75 m ³ | Y | |
| 8-5-301.1 | A submerged fill pipe | Y | |
| BAAQMD Condition # 16514 | | | |
| part 1 | Throughput limit, yearly (basis: Cumulative increase) | Y | |
| part 2 | Recordkeeping requirements of throughput (basis: BAAQMD Regulation 2-6-501, Cumulative increase) | Y | |

IV. Source-Specific Applicable Requirements

**Table IV - K
 Source-specific Applicable Requirements
 COMPONENTS**

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|--|------------------------------------|------------------------------|
| BAAQMD Regulation 8, Rule 18 | Organic Compounds-Equipment Leaks (1/7/98) | | |
| 8-18-301 | General | N | |
| 8-18-302 | Valves | N | |
| 8-18-303 | Pumps and compressors | N | |
| 8-18-304 | Connectors | N | |
| 8-18-305 | Pressure relief devices | N | |
| 8-18-306 | Non-repairable equipment | N | |
| 8-18-307 | Liquid Leaks | N | |
| 8-18-308 | Alternate compliance | N | |
| 8-18-401 | Inspection requirements | N | |
| 8-18-402 | Identification requirements | N | |
| 8-18-403 | Visual inspection requirements for pumps and compressors | N | |
| 8-18-404 | Alternate inspection schedule for valves | N | |
| 8-18-405 | Alternate emission reduction plan | N | |
| SIP BAAQMD Regulation 8, Rule 18 | Organic Compounds-Valves and Connectors at Petroleum Refinery Complexes, Chemical Plants, Bulk Plants and Bulk Terminals (3/4/92) | | |
| 8-18-301 | Valves and Flanges | Y | |
| 8-18-302 | Valves | Y | |
| 8-18-303 | Connectors | Y | |
| 8-18-304 | Non-repairable valves | Y | |
| 8-18-305 | New or Replaced Valves | Y | |
| 8-18-306 | Repeat Leakers | Y | |
| 8-18-307 | Liquid Leak | Y | |
| 8-18-308 | Alternate compliance | Y | |
| 8-18-401 | Inspection requirements | Y | |
| 8-18-402 | Identification requirements | Y | |
| 8-18-403 | Visual inspection requirements for pumps and compressors | Y | |
| 8-18-404 | Alternate inspection schedule for valves | Y | |

IV. Source-Specific Applicable Requirements

Table IV - K
Source-specific Applicable Requirements
COMPONENTS

| Applicable Requirement | Regulation Title or Description of Requirement | Federally Enforceable (Y/N) | Future Effective Date |
|---|--|------------------------------------|------------------------------|
| 8-18-405 | Alternate emission reduction plan | Y | |
| SIP BAAQMD Regulation 8, Rule 25 | Organic Compounds-Pump and Compressor Seals at Petroleum Refinery Complexes, Chemical Plants, Bulk Plants and Bulk Terminals (6/1/94) | | |
| 8-25-301 | Pump and compressor operating requirements | Y | |
| 8-25-302 | Pumps | Y | |
| 8-25-303 | Compressors | Y | |
| 8-25-304 | Non-repairable pumps and compressors | Y | |
| 8-25-305 | New or Replaced pumps and compressors | Y | |
| 8-25-306 | Repeat Leakers | Y | |
| 8-25-307 | Liquid Leak | Y | |
| 8-25-401 | Measurement schedule | Y | |
| 8-25-402 | Inspection plan | Y | |
| 8-25-403 | Visual inspection schedule | Y | |
| 8-25-405 | Identification requirements | Y | |
| 8-25-406 | Tagging requirements | Y | |

V. SCHEDULE OF COMPLIANCE

The permit holder shall comply with all applicable requirements cited in this permit. The permit holder shall also comply with applicable requirements that become effective during the term of this permit on a timely basis.

VI. PERMIT CONDITIONS

Any condition that is preceded by an asterisk is not federally enforceable.

CONDITION # 5406

For S12, Storage Tank:

1. The throughput of ethanol shall be limited to 59.45-040 MM gallons/year. (basis: Cumulative increase)
2. The operator shall maintain a record of the throughput of ethanol through this tank. These records shall be kept on a monthly basis. All records shall be retained for a period of five years from the date of entry, and be made available to District Staff on request. (basis: Regulation 2-6-501, cumulative increase)

CONDITION # 7492

For S1, S28, S29, S30, S31, S32, Loading Racks

1. The California Air Resources Board certification shall be kept on site and made available to District staff upon request. (basis: Regulation 8-33-302)
2. The hourly total material gasoline throughput (except for materials with TVP less than 0.5 psi) at this facility shall not exceed 200,000 gallons or any amount certified by the California Air Resources Board. (basis: Regulation 8-33-307, cumulative increase)
3. The daily total material gasoline throughput (except for materials with TVP less than 0.5 psi) at this facility shall not exceed 4,000,000 gallons. (basis: Regulation 8-33-307, cumulative increase)
4. To demonstrate compliance with parts 2 and 3, the hourly and daily total material gasoline throughput ~~and daily gasoline throughput~~ shall be maintained in a District approved log. These records shall be kept on site for at least five years from the date on which a record is made. (basis: Regulation 2-6-501, cumulative increase)
5. To demonstrate compliance with all applicable sections of Regulation 8-33, the operator shall install the following equipment at this facility. All monitors shall be calibrated weekly. In case of monitor breakdown, the monitor shall be repaired as soon as possible and within 15 days.
 - a. A sample line from each of the pressure-vacuum valves located at the loading racks which is easily accessible by District personnel to determine any valve leakage. (basis: Regulation 8-33-305)

CONDITION # 7492

For S1, S28, S29, S30, S31, S32, Loading Racks

- b. A zero to 30-inch water column pressure gauge shall be permanently installed at the vapor manifold of each loading rack to check the backpressure. (basis: Regulation 8-33-309)
 - c. An infrared type hydrocarbon analyzer shall monitor the hydrocarbon (HC) concentration of the burner exhaust in parts per million (PPM) as propane. The HC concentration shall be recorded continuously on a strip chart. (basis: Regulation 8-33-301)
 - d. An infrared type hydrocarbon analyzer shall monitor the air space HC concentration above the vapor holder bladder. This monitor shall measure HC concentrations from 0-2500 PPM as butane and shall record such concentrations on a strip chart with a speed of at least one inch per hour. (basis: Regulation 8-33-308)
6. The operator shall stop loading materials (except those with TVP less than 0.5 psi) gasoline at this facility whenever both the vapor burner and vapor bladder are not fully operational for any reason. (basis: Regulation 8-33-301, 8-33-308)
 7. The vapor recovery system shall be operated such that the concentration of HC in the burner exhaust does not exceed 200 PPM as propane when averaged over a six-hour period. (basis: Regulation 8-33-301, cumulative increase)
 8. A two-stage high-level vapor holder alarm shall be installed at the vapor holder. The first stage shall alarm at a vapor diaphragm height between 19 feet and 21 feet. The second stage shall shutdown the vapor holder at a vapor diaphragm height of 22 feet or above. (basis: Regulation 8-33-308)
 9. The alarm of the analyzer installed at the vapor tank shall be set at 1,250 PPM as butane. The operator shall take the vapor holder out of service when the HC concentration exceeds 1,250 PPM as butane for a period or periods aggregating more than 2 hours in 24 hours. The vapor holder shall be repaired and tested prior to placing it back in service. (basis: Regulation 8-33-308)
 10. All equipment at this facility, which is subject to Regulation 8-33 shall be maintained in good operating condition at all times. (basis: Regulation 8-33-305)
 11. All maintenance records required for the vapor recovery system at this facility, which is subject to Regulation 8-33, shall be kept on site for at least five years and made available to District staff upon request. (basis: Regulation 2-6-501)
 12. The throughput of ethanol at S28 (loading Arms) shall be limited to 59.4 ~~5.040~~MM gallons per year. (basis: cumulative increase)

CONDITION # 7492

For S1, S28, S29, S30, S31, S32, Loading Racks

13. The vapor recovery system (A2) shall be used to abate the loading racks S1, S28, S29, S30, S31 and S32. The volatile organic compound (VOC) destruction efficiency of the abatement device shall be equal to or greater than 98.5%. (basis: Regulation 8-33-301, BACT)
14. The vapor recovery system (A2) shall be operated at a minimum temperature of 600 degrees Fahrenheit or above to demonstrate compliance with condition part #7 and part #13 at all times it is abating the loading racks. (basis: Regulation 8-33-301)
15. The temperature limit in part 14 shall not apply during an “Allowable Temperature Excursion”, provided that the temperature controller setpoint complies with the Temperature limit. An Allowable Temperature Excursion is one of the following:
 - a. A temperature excursion not exceeding 20 degree Fahrenheit; or
 - b. A temperature excursion for a period or periods which when combined are less than 15 minutes in any hour; or
 - c. A temperature excursion for a period or periods which when combined are more than 15 minutes in any hour, provided that all three of the following criteria are met.
 - i. the excursion does not exceed 50 degree Fahrenheit;
 - ii. the duration of the excursion does not exceed 24 hours;
 - iii. the total number of such excursion does not exceed 12 per consecutive 12-month period.

Two or more excursions greater than 15 minutes in duration occurring during the same 24-hour period shall be counted as one excursion toward the 12-excursion limit. (basis: Regulation 2-1-403)

16. For each Allowable Temperature Excursion that exceeds 20 degree Fahrenheit and 15 minutes in duration, the permit holder shall keep sufficient records to demonstrate that they meet the qualifying criteria described above in part 15. Records shall be retained for a minimum period of five years from the date of data entry, and shall be made available to the District staff for inspection. Records shall include at least the following information:
 - a. Temperature controller setpoint;
 - b. Starting date and time, and duration of each Allowable Temperature Excursion;
 - c. Measured temperature during each Allowable Temperature Excursion;
 - d. Number of Allowable Temperature Excursion per month, and total number for the consecutive 12-month period; and
 - e. All strip charts or other temperature records.

(basis: Regulation 2-1-403)

CONDITION # 7492

For S1, S28, S29, S30, S31, S32, Loading Racks

17. For the purposes of parts #15 and #16, a temperature excursion refers only to temperature below the limit.
18. The vapor recovery system (A2) shall be equipped with a District approved continuous temperature monitoring and recording device to demonstrate compliance with condition part #14. Records of operating temperature shall be kept on site for at least five years from the date on which a record is made. (basis: Regulation 2-6-501)
19. The loading racks have two alternate operating scenarios: by-pass mode (most frequent mode of operation) and direct-mode. In the bypass mode, the emissions from the loading racks are routed to the vapor holder before control by the incinerator. In the direct mode, the emissions from the loading rack are routed to the incinerator directly. A record shall be kept in a contemporaneous log when the mode of operation is changed from one operating scenario to another. The record shall be kept for at least five years from the date of entry and be made available to the District staff for inspection. (basis: Regulation 2-6-409.7, 2-6-501)

Condition #16514

For S45, Sump Tank-Underground:

1. The total gasoline and jet kerosene throughput at this sump, S45, shall not exceed 214,520 gallons and 92,072 gallons respectively per consecutive 12 month period. (basis: cumulative increase)
2. In order to demonstrate compliance with part 1, the type and monthly throughput of each material shall be recorded in a District approved logbook. These records shall be kept on site for at least five years from the date of recording, and be made available to the District staff for inspection. (basis: Regulation 2-6-501, cumulative increase)

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

This section has been included only to summarize the applicable emission limits contained in Section IV, Source-Specific Applicable Requirements, of this permit. The following tables show the relationship between each emission limit and the associated compliance monitoring provisions, if any. The monitoring frequency column indicates whether periodic (P) or continuous (C) monitoring is required. For periodic monitoring, the frequency of the monitoring has also been shown, using the following codes: annual (A), quarterly (Q), monthly (M), weekly (W), daily (D), or on an event basis (E). No monitoring (N) has been required if the current applicable rule or regulation does not require monitoring, and the operation is unlikely to deviate from the applicable emission limit based upon the nature of the operation.

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S1, S28, S29, S30, S31, S32 – LOADING RACKS, 1, 2, 3, 4, 5, 6

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|-------------------|--------|-----------------------|---|--|--|----------------------------|
| VOC | BAAQM D 8-33-301 | Y | | 9.6 g/1000 liters (0.08 lb/1000 gallons) | CARB Certification | P/ 6 months; throughput limit revision | Source test, Recordkeeping |
| | BAAQM D 8-33-308 | Y | | 3,000 ppm as methane and 6.8 Kg (15 pounds) per day | BAAQMD Condition #7492, part 5d, and part 9 | C | Infrared HC Analyzer |
| | BAAQM D 8-33-309 | Y | | 46 cm (18 in.) of water column | BAAQMD 8-33-309, and BAAQMD Condition #7492, part 5b | P/during product loading | Pressure gauge |
| | 40 CFR 60.502(b) | Y | | 35 g/1000 liters | 40 CFR 60.503(c) | P/6 months | Source test |

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S1, S28, S29, S30, S31, S32 – LOADING RACKS, 1, 2, 3, 4, 5, 6

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------------------------|--|--------|-----------------------|----------------------------------|--|--|---------------------------|
| VOC | 40 CFR 60.502(e) | Y | | Vapor-tight gasoline tank trucks | 40 CFR 60.505(b) | P/during product loading, and within 2 weeks | Vapor tightness documents |
| | BAAQMD Condition #7492, part 7 | Y | | 200 ppm as propane | BAAQMD Condition #7492, part 5c | P/C | Infrared HC Analyzer |
| Total material throughput limit | BAAQMD Condition #7492, part 2 | Y | | 200,000 gallons/hr | BAAQMD Condition #7492, part 4 | P/H | Record keeping |
| Total material throughput limit | BAAQMD Condition #7492, part 3 | Y | | 4,000,000 gallons/day | BAAQMD Condition #7492, part 4 | P/D | Record keeping |
| Ethanol throughput limit | BAAQMD Condition #7492, part 12 | Y | | 59,400,000 gallons/yr | BAAQMD Condition #5406, part 2 | P/M | Record keeping |
| Temperature | BAAQMD Condition #7492, parts 14, and 15 | Y | | 600 degree Fahrenheit | BAAQMD Condition #7492, parts 16, and 18 | C | Record Keeping |

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S1, S28, S29, S30, S31, S32 – LOADING RACKS, 1, 2, 3, 4, 5, 6

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|------------------------|--|----------|-----------------------|-------|---|------------------------------|-----------------------|
| Destruction Efficiency | BAAQMD Condition #7492, part 13 | Y | | 98.5% | BAAQMD Condition #7492, parts 14 and 18 | C | Record Keeping |
| <u>Operating Mode</u> | <u>BAAQMD Condition #7492, part 19</u> | <u>Y</u> | | | <u>BAAQMD Regulation 2-6-409.7</u> | <u>P/Mode change</u> | <u>Record Keeping</u> |

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S2, S5, S19, S23, S26 - STORAGE TANKS - INTERNAL FLOATING ROOF

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------------------|-------------------|--------|-----------------------|-------|---------------------------------|------------------------------|-----------------|
| Primary Seal Inspection | BAAQMD D8-5-321 | Y | | | BAAQMD 8-5-401.2 | P/10 yr | Measurement |
| Secondary Seal Inspection | BAAQMD D8-5-322 | Y | | | BAAQMD 8-5-402.2 | P/10 yr | Measurement |

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - C
Applicable Limits and Compliance Monitoring Requirements
S3, S6, S7, S8, S9, S10, S13, S14, S16, S17, S18, S20, S21, S22, S25, S27, S34, S35 -
STORAGE TANKS-INTERNAL FLOATING ROOF

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|-------------------------|-------------------|--------|-----------------------|-------|---------------------------------|------------------------------|-----------------|
| Primary Seal Inspection | BAAQM D8-5-321 | Y | | | BAAQMD 8-5-401.2 | P/10 yr | Measurement |

Table VII – D
Applicable Limits and Compliance Monitoring Requirements
S12 - STORAGE TANK – INTERNAL FLOATING ROOF

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|--------------------------|---------------------------------|--------|-----------------------|--------------------|---------------------------------|------------------------------|-----------------|
| Primary Seal Inspection | BAAQM D8-5-321 | Y | | | BAAQMD 8-5-401.2 | P/10 yr | Measurement |
| Ethanol throughput limit | BAAQM D Condition #5406, part 1 | Y | | 5.04 MM gallons/yr | BAAQMD Condition #5406, part 2 | P/M | Recordkeeping |

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – E
Applicable Limits and Compliance Monitoring Requirements
S33, S40 - STORAGE TANKS-INTERNAL FLOATING ROOF

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------------------|----------------------|--------|-----------------------|-----------|---------------------------------|------------------------------|---|
| Floating Roof | 40 CFR 60.112b(a)(1) | Y | | | 40 CFR 60.115b(a)(1) | P/E | Initial Report |
| | 40 CFR 60.113b(a)(1) | | | | 40 CFR 60.115b(a)(2) | P/E | Visual Inspection, Record keeping |
| Primary Seal Inspection | BAAQM D8-5-321 | Y | | | BAAQMD 8-5-401.2 | P/10 yr | Measurement |
| | 40 CFR 60.113b(a)(1) | Y | | | 40 CFR 60.115b(a)(2) | P/E | Visual Inspection, Record keeping |
| Primary Seal Inspection | 40 CFR 60.113b(a)(2) | Y | | | 40 CFR 60.115b(a)(3) | P/12 month | Visual Inspection, Record keeping and reporting |
| Secondary Seal Inspection | BAAQM D 8-5-322 | Y | | | BAAQMD 8-5-402.2 | P/10 yr | Measurement |
| | 40 CFR 60.113b(a)(1) | Y | | | 40 CFR 60.115b(a)(2) | P/E | Visual Inspection Record keeping |
| Liquid Stored | | Y | | >0.5 psia | 40 CFR 60.116b(c) | P/D | Record keeping |

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – E
Applicable Limits and Compliance Monitoring Requirements
S33, S40 - STORAGE TANKS-INTERNAL FLOATING ROOF

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------------|-------------------|--------|-----------------------|------------|---------------------------------|------------------------------|-----------------|
| True vapor pressure | | Y | | | 40 CFR 60.116b(c) | P/D | Record keeping |
| True vapor pressure | | Y | | >0.74 psia | 40 CFR 60.116b(d) | P/D | Notify |

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – F
Applicable Limits and Compliance Monitoring Requirements
S36 - STORAGE TANK-INTERNAL FLOATING ROOF

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|-------------------------|-------------------|--------|-----------------------|-----------|---------------------------------|------------------------------|-----------------|
| Primary Seal Inspection | BAAQM D8-5-321 | Y | | | BAAQMD 8-5-401.2 | P/10 yr | Measurement |
| Liquid Stored | | Y | | | 40 CFR 60.115(a) | P/D | Record keeping |
| True vapor pressure | | Y | | | 40 CFR 60.115(b) | P/D | Record keeping |
| True vapor pressure | | Y | | >1.0 psia | 40 CFR 60.115(c) | P/D | Record keeping |

Table VII - G
Applicable Limits and Compliance Monitoring Requirements
S43 - OIL/WATER SEPARATOR

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|----------------------------|-------------------|--------|-----------------------|-----------------|---------------------------------|------------------------------|-------------------|
| Roof seals, Other openings | BAAQM D8-8-301.1 | Y | | Gap <0.125 inch | BAAQMD 8-8-301.1 | P/Initially and 6 months | Visual inspection |

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII – H
Applicable Limits and Compliance Monitoring Requirements
S44 - STORAGE TANK-INTERNAL FLOATING ROOF

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------------------|-------------------|--------|-----------------------|-----------|---------------------------------|------------------------------|-----------------|
| Primary Seal Inspection | BAAQM D8-5-321 | Y | | | BAAQMD 8-5-401.2 | P/10 yr | Measurement |
| Secondary Seal Inspection | BAAQM D8-5-322 | Y | | | BAAQMD 8-5-402.2 | P/10 yr | Measurement |
| Liquid Stored | | Y | | | 40 CFR 60.115(a) | P/D | Record keeping |
| True vapor pressure | | Y | | | 40 CFR 60.115(b) | P/D | Record keeping |
| True vapor pressure | | Y | | >1.0 psia | 40 CFR 60.115(c) | P/D | Record keeping |

Table VII - I
Applicable Limits and Compliance Monitoring Requirements
S45 - SUMP TANK – UNDERGROUND

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------------------|---------------------------------|--------|-----------------------|--------------------|---------------------------------|------------------------------|-----------------|
| Gasoline throughput limit | BAAQMD Condition #16514, part 1 | Y | | 214,520 gallons/yr | BAAQMD Condition #16514, part 2 | P/M | Recordkeeping |

VII. Applicable Limits and Compliance Monitoring Requirements

| | | | | | | | |
|--|---|---|--|-------------------|---------------------------------------|-----|---------------|
| Jet Kerosene throughput limit | BAAQMD D Condition #16514, part 1 | Y | | 92,072 gallons/yr | BAAQMD Condition #16514, part 2 | P/M | Recordkeeping |
|--|---|---|--|-------------------|---------------------------------------|-----|---------------|

Table VII - J
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|----------------------|--------|-----------------------|--|---------------------------------|------------------------------|-----------------|
| VOC | BAAQMD 8-18-301 | Y | | General equipment leak \leq 100 ppm | BAAQMD 8-18-401.2 | P/Q | Inspection |
| | BAAQMD 8-18-302 | Y | | Valve leak \leq 100 ppm | BAAQMD 8-18-401.2 | P/Q | Inspection |
| | BAAQMD 8-18-303 | Y | | Pump and compressor leak \leq 500 ppm | BAAQMD 8-18-401.2 | P/Q | Inspection |
| | BAAQMD 8-18-304 | Y | | Connection leak \leq 100 ppm | BAAQMD 8-18-401.2e | P/Q | Inspection |
| VOC | BAAQMD 8-18-305 | Y | | Pressure relief valve leak \leq 500 ppm | BAAQMD 8-18-401.2 | P/Q | Inspection |
| | BAAQMD 8-18-306.1 | Y | | Valve, pressure relief, pump or compressor must be repaired within 5 years or at the next scheduled turnaround | None | N | |
| | BAAQMD 8-18-306.2 | Y | | Awaiting repair Valves \leq 0.5% Pressure Relief \leq 1% Pump and Connector \leq 1% | BAAQMD 8-18-401.5 | P/24 hours | Inspection |

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - J
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|-----------------------------|--------|-----------------------|--|---------------------------------|------------------------------|-----------------|
| | BAAQMD 8-18-306.3.2 | Y | | Mass emissions & non-repairable equipment allowed Valve ≤ 0.1 lb/day & $\leq 1.0\%$ Pressure Relief ≤ 0.2 lb/day & $\leq 5\%$ Pump and Connector ≤ 0.2 lb/day & $\leq 5\%$ | BAAQMD 8-18-401.3 | P/D | Inspection |
| VOC | BAAQMD 8-18-306.3.3 | Y | | Total valve, pressure relief, pump or compressor leaks ≥ 15 lb/day, they must be repaired within 7 days | None | N | |
| VOC | SIP BAAQMD 8-18-302 | Y | | Valve leak ≤ 100 ppm | SIP BAAQMD 8-18-401.3 | P/Q | Inspection |
| | SIP BAAQMD 8-18-303 | Y | | Connector leak ≤ 500 ppm | SIP BAAQMD 8-18-401.3 | P/Q | Inspection |
| | SIP BAAQMD 8-18-304.1 | Y | | Valve repaired within 5 years or next scheduled turnaround | SIP BAAQMD 8-18-401.3 | P/Q | Inspection |
| | SIP BAAQMD 8-18-304.2 | Y | | Awaiting repaired valves $< 0.5\%$ | SIP BAAQMD 8-18-401.6 | P/24 hours | Inspection |
| | SIP BAAQMD 8-18-305 | Y | | New or replaced valve leak ≤ 100 ppm for 4 consecutive quarters | SIP BAAQMD 8-18-401.3 | P/Q | Inspection |

VII. Applicable Limits and Compliance Monitoring Requirements

Table VII - J
Applicable Limits and Compliance Monitoring Requirements
COMPONENTS

| Type of Limit | Citation of Limit | FE Y/N | Future Effective Date | Limit | Monitoring Requirement Citation | Monitoring Frequency (P/C/N) | Monitoring Type |
|---------------|-----------------------------|--------|-----------------------|--|---|------------------------------|---------------------------------------|
| | SIP BAAQMD 8-18-306 | Y | | Repeat valve , connector leak must meet SIP BAAQMD 8-18-304 & 8-18-305 | SIP BAAQMD 8-18-401.3 | P/Q | Inspection |
| | SIP BAAQMD 8-25-302 | Y | | Pump leak \leq 500 ppm | SIP BAAQMD 8-25-401.2 & 8-25-403 | P/Q P/D | Measure leaks Visual Inspection |
| VOC | SIP BAAQMD 8-25-303 | Y | | Compressor leak \leq 500 ppm | SIP BAAQMD 8-25-401.2 & 8-25-403 | P/Q P/D | Measure leaks Visual Inspection |
| | SIP BAAQMD 8-25-304.1 | Y | | Pump or compressor repaired within 5 years or next scheduled turnaround | SIP BAAQMD 8-25-401.1 & 8-25-402 | P/7 days | Measure leaks Inspection Plan |
| | SIP BAAQMD 8-25-304.2 | Y | | Awaiting repaired valves < 1.0% | SIP BAAQMD 8-25-401.1 & 8-25-402 | P/7 days | Measure leaks Inspection Plan |
| | SIP BAAQMD 8-25-305 | Y | | New or replaced pump and compressor leak \leq 500 ppm for 4 consecutive quarters | SIP BAAQMD 8-25-401.2 & 8-25-403 | P/Q P/D | Measure leaks Visual Inspection |
| | SIP BAAQMD 8-25-306 | Y | | Repeat pump , compressor leak must meet SIP BAAQMD 8-25-304 & 8-25-305 | SIP BAAQMD 8-25-401.2 & 8-25-403 | P/Q P/D | Measure leaks Visual Inspection |

VIII. TEST METHODS

The test methods associated with the emission limit of a District regulation are generally referenced in Section 600 et seq. of the regulation. The following table indicates only the test methods associated with the emission limits referenced in Section VII, Applicable Emission Limits & Compliance Monitoring Requirements, of this permit.

Table VIII
Test Methods

| Applicable Requirement | Description of Requirement | Acceptable Test Methods |
|--------------------------------|---|--|
| BAAQMD 6-301 | Ringelmann No. 1 Limitation | Manual of Procedures, Volume I, Evaluation of Visible Emissions |
| BAAQMD Regulation 8-5-304 | True Vapor Pressure | Manual of Procedures, Volume III, Lab Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks, if organic compound is not listed in Table I |
| BAAQMD Regulation 8-5-311.3 | VOC emissions | Manual of Procedures, Volume IV, ST-34, Bulk and Marine Loading Terminals Vapor Recovery Units |
| BAAQMD Regulation 8-5-328.2 | VOC emissions for tank cleaning | Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling |
| BAAQMD Regulation 8-5-320.3 | Pressure vacuum leak concentration | EPA Reference Method 21, Determination of Volatile Organic Compounds Leaks |
| BAAQMD 8-5-601 | Reid Vapor Pressure | Manual of Procedures, Volume III, Lab Method 13, Determination of the Reid Vapor Pressure of Petroleum Products |
| BAAQMD 8-5-602 | True Vapor Pressure | Manual of Procedures, Volume III, Lab Method 28, Determination of Vapor Pressure of Organic Liquids from Storage Tanks |
| BAAQMD 8-5-603 | Determination of Emissions | Manual of Procedures, Volume IV, ST-34, Bulk and Marine Loading Terminals Vapor Recovery Units, ST-7 Organic compounds |
| BAAQMD 8-5-605 | Pressure-Vacuum Valve Gas Tight Determination | EPA Reference Method 21, Determination of Volatile Organic Compounds Leaks |
| BAAQMD Regulation 8-8-301, 302 | Vapor tight cover | EPA Reference Method 21, Determination of Volatile Organic Compounds Leaks |
| BAAQMD 8-8-601 | Wastewater Analysis for Organic Compounds | Manual of Procedures, Volume III, Lab Method 33, Determination of Dissolved Critical Volatile Organic Compounds in Wastewater Separators |

Table VIII
Test Methods

| Applicable Requirement | Description of Requirement | Acceptable Test Methods |
|--------------------------------------|---|--|
| BAAQMD Regulation 8-18-302, 8-18-303 | Leak inspection procedures | EPA Reference Method 21, Determination of Volatile Organic Compounds Leaks |
| BAAQMD Regulation 8-18-306 | Determination of mass emissions | EPA Protocol for equipment leak emission estimates, Chapter 4, Mass Emission Sampling, (EPAA-453/R-95-017) November 1995 |
| BAAQMD 8-25-301-303, 602 | Inspection procedures (pumps and Compressors) | EPA Reference Method 21, Determination of Volatile Organic Compounds Leaks |
| BAAQMD Regulation 8-33-203 | Analysis of samples | Manual of Procedures, Volume III, Method 13, Determination of the Reid Vapor Pressure of Petroleum Products |
| BAAQMD Regulation 8-33-301 | Emission rate determination | Manual of Procedures, Volume IV, ST-34, Bulk Gasoline Distribution Facilities Vapor Recovery Units |
| BAAQMD Regulation 8-33-305 | Vapor tight – delivery vehicles | Manual of Procedures, Volume IV, ST-33, Ethanol, Integrated Sampling |
| BAAQMD Regulation 8-33-309 | Vapor recovery system – loading racks | Manual of Procedures, Volume IV, ST-34, Bulk and Marine Loading Terminals Vapor Recovery Units |
| BAAQMD 8-33-601 | Emission Rate Determination (Vapor Processing System) | Manual of Procedures, Volume IV, ST-34, Bulk and Marine Loading Terminals Vapor Recovery Units |
| BAAQMD 8-33-602 | Emission Rate Determination (Vapor Balance System) | Manual of Procedures, Volume IV, ST-3, Bulk Plants Emission Factor Determination |
| BAAQMD 8-33-603 | Vapor Recovery System Loading Pressure | Manual of Procedures, Volume IV, ST-34, Bulk and Marine Loading Terminals Vapor Recovery Units |
| BAAQMD 8-33-604 | Vapor Tight - Delivery Vehicles | Manual of Procedures, Volume IV, ST-33, Gasoline Cargo Tanks |
| BAAQMD 8-33-605 | Analysis of Samples | Manual of Procedures, Volume III, Lab Method 13, Determination of the Reid Vapor Pressure of Petroleum Products |
| BAAQMD 9-1-302 | General Emission Limitation | Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides Integrated Sample |

Table VIII
Test Methods

| Applicable Requirement | Description of Requirement | Acceptable Test Methods |
|--|-----------------------------------|--|
| Subpart Ka 40 CFR 60.115a(b) | Reid vapor pressure | ASTM Method D323-82 |
| Subpart Kb 40 CFR 60.112(b) | Vapor pressure | ASTM Method D2879-83 |
| Subpart Kb 40 CFR 60.112(b)(a) (3) | Visual inspection | 60 Subpart VV, 60.485(b) |
| Subpart XX 40 CFR 60.502(b)(c), 60-502(h) | Monitor for leakage | EPA Reference Method 21, Determination of Volatile Organic Compounds Leaks |
| Subpart XX 40 CFR 60-502(h) | Delivery tank pressure | EPA Reference Method 27, Determination of vapor tightness of gasoline delivery tank using pressure vacuum test |

IX. PERMIT SHIELD

Not applicable

X. GLOSSARY

ACT

Federal Clean Air Act

BAAQMD

Bay Area Air Quality Management District

BACT

Best Available Control Technology

CAA

The federal Clean Air Act

CAAQS

California Ambient Air Quality Standards

CEQA

California Environmental Quality Act

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

Cumulative Increase

The sum of permitted emissions from each new or modified source since a specified date pursuant to BAAQMD Rule 2-1-403, Permit Conditions (as amended by the District Board on 7/17/91) and SIP Rule 2-1-403, Permit Conditions (as approved by EPA on 6/23/95). Used to determine whether threshold-based requirements are triggered.

District

The Bay Area Air Quality Management District

EPA

The federal Environmental Protection Agency.

Excluded

Not subject to any District regulations.

X. Glossary

Federally Enforceable, FE

All limitations and conditions which are enforceable by the Administrator of the 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 an EPA-approved program that has been incorporated into the SIP.

FP

Filterable Particulate as measured by BAAQMD Method ST-15, Particulate.

HAP

Hazardous Air Pollutant. Any pollutant listed pursuant to Section 112(b) of the Act. Also refers to the program mandated by Title I, Section 112, of the Act and implemented by 40 CFR Part 63.

Major Facility

A facility with potential emissions of: (1) at least 100 tons per year of regulated air pollutants, (2) at least 10 tons per year of any single hazardous air pollutant, and/or (3) at least 25 tons per year of any combination of hazardous air pollutants, or such lesser quantity of hazardous air pollutants as determined by the EPA administrator.

MFR

Major Facility Review. The District's term for the federal operating permit program mandated by Title V of the Federal Clean Air Act and implemented by District Regulation 2, Rule 6.

MOP

The District's Manual of Procedures.

NAAQS

National Ambient Air Quality Standards

NESHAPS

National Emission Standards for Hazardous Air Pollutants. See in 40 CFR Parts 61 and 63

NMHC

Non-methane Hydrocarbons (Same as NMOC)

NMOC

Non-methane Organic Compounds (Same as NMHC)

NO_x

Oxides of nitrogen.

NSPS

X. Glossary

Standards of Performance for New Stationary Sources. Federal 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 District Regulation 10.

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 District Regulation 2, Rule 2. (Note: There are additional NSR requirements mandated by the California Clean Air Act.)

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 POC, NO_x, PM₁₀, and SO₂.

Phase II Acid Rain Facility

A facility that generates electricity for sale through fossil-fuel combustion and is not exempted by 40 CFR 72 from Titles IV and V of the Clean Air Act.

POC

Precursor Organic Compounds

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 District is classified "attainment" of the National Air Ambient Quality Standards. Mandated by Title I of the Act and implemented by both 40 CFR Part 52 and District Regulation 2, Rule 2.

SIP

State Implementation Plan. State and District programs and regulations approved by EPA and developed in order to attain the National Air Ambient Quality Standards. Mandated by Title I of the Act.

SO₂

Sulfur dioxide

THC

X. Glossary

Total Hydrocarbons (NMHC + Methane)

Title V

Title V of the federal Clean Air Act. Requires a federally enforceable operating permit program for major and certain other facilities.

TOC

Total Organic Compounds (NMOC + Methane, Same as THC)

TPH

Total Petroleum Hydrocarbons

TRMP

Toxic Risk Management Plan

TSP

Total Suspended Particulate

VOC

Volatile Organic Compounds

Units of Measure:

| | | |
|----------------|---|----------------------------------|
| bhp | = | brake-horsepower |
| btu | = | British Thermal Unit |
| cfm | = | cubic feet per minute |
| g | = | grams |
| gal | = | gallon |
| gpm | = | gallons per minute |
| hp | = | horsepower |
| hr | = | hour |
| lb | = | pound |
| in | = | inches |
| max | = | maximum |
| m ² | = | square meter |
| min | = | minute |
| 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 |
| scfm | = | standard cubic feet per minute |
| yr | = | year |

X. Glossary

XI. APPLICABLE STATE IMPLEMENTATION PLAN

See Attachments