

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 #A4021

Facility Address:
950 Tunnel Avenue
Brisbane, CA 94005

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

Responsible Official
Douglas K. Schminke, Director, Operations
707-438-2102

Facility Contact
Nicole Stewart, Area Manager
(707) 816-1907

Type of Facility:	Bulk Terminal	BAAQMD Engineering Division Contact:
Primary SIC:	4226	Xuna Cai, Air Quality Engineer
Product:	Bulk storage & terminal of refined petroleum products	

ISSUED BY THE BAY AREA AIR QUALITY MANAGEMENT DISTRICT

Jack P. Broadbent, Executive Officer/Air Pollution Control Officer

Date

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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 5/4/11);
- SIP Regulation 1 - General Provisions and Definitions
(as approved by EPA through 6/28/99);
- BAAQMD Regulation 2, Rule 1 - Permits, General Requirements
(as amended by the District Board on 4/18/12);
- SIP Regulation 2, Rule 1 - Permits, General Requirements
(as approved by EPA through 1/26/99);
- BAAQMD Regulation 2, Rule 2 - Permits, New Source Review
(as amended by the District Board on 6/15/05);
- SIP Regulation 2, Rule 2 - Permits, New Source Review and Prevention of Significant Deterioration
(as approved by EPA through 1/26/99);
- BAAQMD Regulation 2, Rule 4 - Permits, Emissions Banking
(as amended by the District Board on 12/19/12);
- SIP Regulation 2, Rule 4 - Permits, Emissions Banking
(as approved by EPA through 1/26/99); and
- BAAQMD Regulation 2, Rule 6 - Permits, Major Facility Review
(as amended by the District Board on 4/16/03).

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

1. This Major Facility Review Permit was issued on [issue date], 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].** If the permit renewal has not been issued by [], but a complete application for renewal has been submitted in accordance with the above deadlines, the existing permit will continue in force until the District takes final action on the renewal application. (Regulation 2-6-307, 404.2, 407 & 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

I. STANDARD CONDITIONS

- Volume II, Part 3, §4.11)
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 that 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. (Regulation 2-6-409.20, MOP Volume II, Part 3, §4.11)
 12. The permit holder is responsible for compliance, and certification of compliance, with all conditions of the permit, regardless whether it acts through employees, agents, contractors, or subcontractors. (Regulation 2-6-307)

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 that is subject to this permit to the APCO and/or to his or her designee.

I. STANDARD CONDITIONS

(Regulation 1-440, Regulation 2-6-409.3; MOP Volume II, Part 3, §4.14)

E. Records

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, 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 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, 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 through ____ 30th or 31st] of each year. 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 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 9
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	Storage Tank No. BT-1	Internal Floating Roof		1,023,000 gallons
2	Storage Tank No. BT-2	Internal Floating Roof		1,228,000 gallons
4	Storage Tank No. BT-4	Internal Floating Roof		817,000 gallons
5	Storage Tank No. BT-5	Internal Floating Roof		1,225,000 gallons
6	Storage Tank No. BT-6	Internal Floating Roof		3,055,000 gallons
7	Storage Tank No. BT-7	Internal Floating Roof		1,023,000 gallons
8	Storage Tank No. BT-8	Internal Floating Roof		254,000 gallons
9	Storage Tank No. BT-9	Internal Floating Roof		254,000 gallons
10	Storage Tank No. BT-10	Internal Floating Roof		1,021,000 gallons
11	Storage Tank No. BT-11	Internal Floating Roof		760,000 gallons
12	Storage Tank No. BT-12	Internal Floating Roof		1,627,000 gallons
13	Storage Tank No. BT-13	Internal Floating Roof		1,227,000 gallons
15	Storage Tank No. BT-15	Internal Floating Roof		4,765,000 gallons
16	Storage Tank No. BT-17	Internal Floating Roof		2,660,000 gallons
18	Storage Tank No. BT-19	Internal Floating Roof		408,000 gallons
20	Storage Tank No. BT-21	Internal Floating Roof		992,000 gallons
21	Loading Rack A	Truck Loading		7 Fillers
22	Loading Rack B	Truck Loading		7 Fillers
23	Loading Rack C	Truck Loading		10 Fillers
24	Loading Rack D	Truck Loading		5 Fillers
25	Loading Rack E	Truck Loading		10 Fillers
28	Oil/Water Separator	Containment Solutions	CFA-2	3,000 gallons/hour
29	D-1 Multi-Product Sump	Underground Sump		4520 gallons
30	D-2 Turbine Sump	Underground Sump		4520 gallons
31	D-3 Slop Tank	Underground Sump		1115 gallons
32	D-4 Slop Tank	Underground Sump		2340 gallons
33	Emergency Diesel Generator	Caterpillar	3406	475 HP
35	Ethanol Unloading Rack	Truck Unloading		2 fillers
36	Offspec Unloading Rack	Truck Unloading		1 filler

II. EQUIPMENT

Table II B - Abatement Devices

A#	Description	Source(s) Controlled	Applicable Requirement	Operating Parameters	Limit or Efficiency
1	Vapor Recovery Unit	S-21, S-22, S-23, S-24, S-25	BAAQMD Regulation 8-33-301, SIP 8-33-302, SIP 8-33-309, BAAQMD Condition # 4275	Hydrocarbon monitor/recorder measures hydrocarbon concentration	0.04 lb of VOC/1000 gallons of organic liquid loaded; and 120 PPM as Propane
2	Vapor Burner	S-21, S-22, S-23, S-24, S-25	BAAQMD Regulation 8-33-301, SIP 8-33-302, SIP 8-33-309, BAAQMD Condition # 4275	Hydrocarbon monitor/recorder measures hydrocarbon concentration ; Temperature monitoring.	0.08 lb of VOC/1000 gallons of organic liquid loaded; and 120 PPM as Propane; Above 500 degrees F.
3	Wheelabate Carbon Adsorber	S-28	BAAQMD Condition # 11349	Flame ionization detector measures hydrocarbon concentration	10 ppmv non-methane hydrocarbon and 10% of the inlet stream concentration
4	Wheelabate Carbon Adsorber	S-28	BAAQMD Condition # 11349	Flame ionization detector measures hydrocarbon concentration	6 ppmv non-methane hydrocarbon

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. This section also contains provisions that may apply to temporary sources.

The dates in parentheses 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 of Directors
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 the SIP requirements are available on the EPA Region 9 website. The address is
<http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions>.

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 (5/4/11)	N
SIP Regulation 1	General Provisions and Definitions (6/28/99)	Y
BAAQMD Regulation 2, Rule 1	General Requirements (4/18/12)	N
BAAQMD 2-1-429	Federal Emissions Statement (12/21/04)	N
SIP BAAQMD 2-1-429	Federal Emissions Statement (04/03/95)	Y
SIP Regulation 2, Rule 1	General Requirements (1/26/99)	Y

III. GENERALLY APPLICABLE REQUIREMENTS

**Table III
 Generally Applicable Requirements**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 2, Rule 5	New Source Review of Toxic Air Contaminants (1/6/10)	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 (7/9/08)	N
SIP Regulation 5	Open Burning (9/4/98)	Y
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/07)	N
SIP Regulation 6	Particulate Matter and Visible Emissions (09/04/98)	Y
BAAQMD Regulation 7	Odorous Substances (3/17/82)	N
BAAQMD Regulation 8, Rule 1	Organic Compounds - General Provisions (6/15/94)	Y
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (7/20/05)	N
SIP Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (03/22/95)	Y
BAAQMD Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (7/1/09)	N
SIP Regulation 8, Rule 3	Organic Compounds - Architectural Coatings (1/2/04)	Y
BAAQMD Regulation 8, Rule 4	Organic compounds - General Solvent and Surface Coating Operations (10/16/02)	Y
BAAQMD Regulation 8, Rule 15	Organic Compounds – Emulsified and Liquid Asphalts (6/1/94)	Y
BAAQMD Regulation 8, Rule 18	Organic Compounds - Equipment Leaks (9/15/04)	N
SIP Regulation 8, Rule 18	Organic Compounds - Equipment Leaks (6/5/03)	Y
SIP Regulation 8, Rule 25	Organic Compounds - Pump and Compressor Seals at Petroleum Refineries, Chemical plants, Bulk plants, and Bulk terminals (03/07/95)	Y
BAAQMD Regulation 8, Rule 33	Organic Compounds - Gasoline Bulk Terminals and Gasoline Delivery Vehicles (04/15/2009)	N
SIP Regulation 8, Rule 33	Organic Compounds - Gasoline Bulk Terminals and Gasoline Delivery Vehicles (04/03/95)	Y
BAAQMD Regulation 8 Rule 40	Aeration of Contaminated Soil and Removal of Underground Storage Tanks (6/15/05)	N
SIP Regulation 8 Rule 40	Aeration of Contaminated Soil and Removal of Underground Storage Tanks (4/19/01)	Y

III. GENERALLY APPLICABLE REQUIREMENTS

**Table III
 Generally Applicable Requirements**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
BAAQMD Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (6/15/05)	N
SIP Regulation 8, Rule 47	Organic Compounds - Air Stripping and Soil Vapor Extraction Operations (4/26/95)	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 (7/15/02)	N
SIP Regulation 8, Rule 51	Organic Compounds - Adhesive and Sealant Products (2/26/02)	Y
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)	N
SIP Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (06/08/99)	Y
BAAQMD Regulation 11, Rule 2	Hazardous Pollutants - Asbestos Demolition, Renovation and Manufacturing (10/7/98)	N
BAAQMD Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (7/11/90)	N
SIP Regulation 12, Rule 4	Miscellaneous Standards of Performance - Sandblasting (9/2/81)	Y
California Health and Safety Code Section 41750 et seq.	Portable Equipment	N
California Health and Safety Code Section 44300 et seq.	Air Toxics "Hot Spots" Information and Assessment Act of 1987	N
California Health and Safety Code Title 17, Section 93115	Airborne Toxic Control Measure for Stationary Compression Ignition Engines	N
California Health and Safety Code Title 17, Section 93116	Airborne Toxic Control Measure for Diesel Particulate Matter from Portable Engines Rated at 50 Horsepower and Greater	N
40 CFR Part 61, Subpart M	National Emission Standards for Hazardous Air Pollutants – National Emission Standard for Asbestos (6/19/95)	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

III. GENERALLY APPLICABLE REQUIREMENTS

Table III
Generally Applicable Requirements

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)
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 parentheses 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 of Directors
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 the SIP requirements are available on the EPA Region 9 website. The address is

<http://yosemite.epa.gov/r9/r9sips.nsf/Agency?ReadForm&count=500&state=California&cat=Bay+Area+Air+Quality+Management+District-Agency-Wide+Provisions>.

All other text may be found in the regulations themselves.

Table IV - A
Source-specific Applicable Requirements
S-21, S-22, S-23, S-24, AND S-25 - LOADING RACKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 1	General Provisions and Definitions (5/4/2011)		
1-523	Parametric Monitoring and Recordkeeping Requirements	N	
1-523.1	Parametric monitor periods of inoperation	Y	
1-523.2	Limits on periods of inoperation	Y	
1-523.3	Reports of Violations	N	
1-523.4	Records	Y	
1-523.5	Maintenance and calibration	N	
SIP Regulation 1	General Provisions and Definitions (6/28/99)		
1-523	Parametric Monitoring and Recordkeeping Requirements	Y	
1-523.3	Reports of Violations	Y	

VI. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

Table IV - A
Source-specific Applicable Requirements
S-21, S-22, S-23, S-24, AND S-25 - LOADING RACKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 33	Gasoline Bulk Terminals and Gasoline Cargo Tanks (04/15/2009)		
8-33-112	Exemption, Tank Gauging and Inspection	N	
8-33-113	Exemption, Maintenance and Repair	N	
8-33-114	Exemption, CARB Certification	N	
8-33-115	Limited Exemption, Aviation Gasoline	N	
8-33-116	Limited Exemption, Source Test requirements	N	
8-33-301	Gasoline Bulk Terminal Emission Limitations	N	
8-33-301.2	Gasoline Bulk Terminal Emission Limitations	N	
8-33-303	Bottom Fill Requirement	N	
8-33-304	Gasoline Cargo Tank Requirements	N	
8-33-305	Gasoline Bulk Terminal Maintenance and Repair	N	
8-33-305.1	Equipment condition	N	
8-33-305.2	Product or Vapor hoses	N	
8-33-305.3	Portable Container or Slop tank hose connector	N	
8-33-305.4	Backpressure monitors	N	
8-33-306	Operating Practices	N	
8-33-307	Loading Practices	N	
8-33-307.1	Compatible Connectors Requirements	N	
8-33-307.2	CARB-certified vapor recovery system requirements	N	
8-33-308	Vapor Storage Tank Requirements	N	
8-33-308.1	Diaphragms maintenance requirements and airspace organic concentration	N	
8-33-308.2	Monitoring and recording requirements of airspace organic concentration	N	
8-33-309	Gasoline Bulk Terminal Vapor Recovery System Requirements	N	
8-33-309.1	Organic emissions capture and control requirements	N	
8-33-309.2	Vapor recovery systems operation and maintenance requirements	N	
8-33-309.3	Vapor recovery systems in good working condition requirements	N	
8-33-309.4	Vapor recovery systems annual testing requirements	N	
8-33-309.5	Vapor leak requirements	N	
8-33-309.6	Liquid leak requirements	N	
8-33-309.7	Vapor recovery system piping requirements	N	

VI. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

Table IV - A
Source-specific Applicable Requirements
S-21, S-22, S-23, S-24, AND S-25 - LOADING RACKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-33-309.8	Liquid fill hose connector and vapor hose connector seals and P/V valves inspection requirements	N	
8-33-309.9	Vapor hose hanger requirements	N	
8-33-309.10	Backpressure monitor installation on vapor collection piping requirements	N	
8-33-309.11	Device installation on each loading rack requirements	N	
8-33-309.11.1	Alarm system	N	
8-33-309.11.2	Automatic lockout system	N	
8-33-309.11.3	Alternate system	N	
8-33-309.12	Backpressure exceedance/shutdown/notification requirements	N	
8-33-309.13	Parametric monitoring implementation requirements	N	
8-33-309.14	Parametric limits monitoring and notification requirements	N	
8-33-309.15	Accessibility or permanent sample lines on all P/V valves requirements	N	
8-33-401	Equipment Installation and Modification	N	
8-33-403	Monitoring, Inspection, Notification and Reporting Requirements	N	
8-33-502	Vapor storage tank emissions records	N	
8-33-503	Annual source test	N	
8-33-504	P/V valve, liquid fill and vapor hose connector leak check records	N	
8-33-505	Loading rack backpressure records	N	
8-33-506	Parametric correlation records	N	
8-33-507	Parametric variable monitoring records	N	
SIP Regulation 8, Rule 33	Gasoline Bulk Terminals and Gasoline Delivery Vehicles (04/03/1995)		
8-33-112	Tank Gauging and Inspection	Y	
8-33-113	Maintenance and Repair Exemption	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	

VI. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

Table IV - A
Source-specific Applicable Requirements
S-21, S-22, S-23, S-24, AND S-25 - LOADING RACKS

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

VI. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

Table IV - A
Source-specific Applicable Requirements
S-21, S-22, S-23, S-24, AND S-25 - LOADING RACKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
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	
40 CFR 63 Subpart BBBBBB	National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals; Bulk plants; and Pipeline Facilities (1/10/08)		
63.11080	Purpose of this subpart	Y	
63.11081(a)	Applicability requirements	Y	
63.11082	Parts of facility covered by this subpart	Y	
63.11083(b)	Compliance date	Y	
63.11088(a)	Emission limit and management practice in Table 2	Y	
63.11088 (c)	Compliance dates	Y	
63.11088 (d)	Testing and monitoring requirements as specified in 63.11092	Y	
63.11088(e)	Applicable notification as per 63.11093	Y	
63.11088(f)	Recordkeeping and report submission as per 63.11094 and 63.11095	Y	
63.11092	Testing and monitoring requirements	Y	
63.11092(a)	Performance test on the vapor processing and collection system	Y	
63.11092(b)	Determine a monitored operating parameter value for the vapor processing system	Y	
63.11092(b) (1)(iii)	Installation and operation of continuous parameter monitoring system for vapor processing system (thermal oxidation system)	Y	
63.11092(b) (3)	Determine operating parameter value based on performance test	Y	
63.11092(b) (4)	Submit the rationale for the selected parameter value, etc. for the Administrator's approval	Y	
63.11092(b) (5)	Performance test alternatives	Y	

VI. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

Table IV - A
Source-specific Applicable Requirements
S-21, S-22, S-23, S-24, AND S-25 - LOADING RACKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.11092(c)	Document reason for any change in the operating parameter value	Y	
63.11092(d)	Compliance requirements to operate the vapor processing system	Y	
63.11092(f) (1)	Annual certification test for gasoline cargo tanks – EPA Method 27, Appendix A-8, 40CFR Part 60	Y	
63.11093	Notification requirements	Y	
63.11094(b)	Recordkeeping of test results for each gasoline cargo tanks	Y	
63.11094(c)	Alternative to keeping records of test results for each gasoline cargo tanks	Y	
63.11094(f) (1)	Recordkeeping of continuous monitoring data	Y	
63.11094(f) (2)(i)	Record and report simultaneously with Notification of Compliance Status all data and calculations, etc., in determining the operating parameter value.	Y	
63.11094(f) (3)	Keep an up-to-date, readily accessible copy of the monitoring and inspection plan as per 63.11092(b)(1)(iii)(B)(2)	Y	
63.11094(f) (4)	Keep an up-to-date, readily accessible record of all system malfunctions, as specified in 63.11092(b)(1)(iii)(B)(2)(v)	Y	
63.11095(a) (2)	Submit semiannual compliance report for each loading of cargo tank for which vapor tightness documentation had not been previously obtained	Y	
63.11095(b)	Submit excess emission report at the same time semiannual compliance report is submitted	Y	
63.11098	Table 3: General Provisions of Part 63 to Subpart BBBBBB	Y	
63.11100	Definitions	Y	
BAAQMD Condition # 4275	Permit Conditions		
part 1	Required monitoring equipment: calibration weekly and repair within 15 days. [Basis: BAAQMD 8-33-308]	N	
part 1a	Sample line from each pressure vacuum valve	N	
part 1b	Pressure gauge at the vapor manifold of each loading rack	N	
part 1c	Hydrocarbon analyzer on the exhaust of burner	N	
part 1d	Two-stage high-level vapor holder alarm	N	
part 1e	Headspace hydrocarbon monitor above the diaphragm in the vapor holding tank	N	

VI. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

Table IV - A
Source-specific Applicable Requirements
S-21, S-22, S-23, S-24, AND S-25 - LOADING RACKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
part 2	Concentration limit above the diaphragm of the vapor holding tank [Basis: BAAQMD Regulation 8-33-308]	N	
part 3	Direct mode operation when a) the vapor holder is out of service and b) the vapor bladder height exceeds 36 feet. [Basis: BAAQMD 8-33-301]	N	
part 4	Shall not load gasoline whenever the vapor burner and vapor bladder are not fully operational [Basis: BAAQMD 8-33-301 and 308]	N	
part 5	Concentration limit in the burner exhaust stream [Basis: BAAQMD 8-33-301]	N	
part 6	Throughput limits [Basis: Cumulative Increase]	Y	
part 6a	Daily Throughput Limit	Y	
part 6b	Polish/By-pass Mode Hourly Throughput Limit	Y	
part 6c	Direct Mode Hourly Throughput Limit	Y	
Part 6d	Annual Throughput Limit	Y	
Part 7	Maintain all equipment in good operating conditions [Basis: BAAQMD 8-33-305]	N	
Part 8	Maintenance of records for the vapor holder tank	N	
Part 9	Hourly, daily, and monthly material throughput recordkeeping [Basis: Cumulative Increase]	Y	
Part 10	Startup source test requirement (deleted after completion)	N	
Part 11	Minimum operating temperature requirement at A-2 [Basis: 8-33-301]	N	
Part 12	Allowable temperature excursion [Basis: 2-1-403]	N	
Part 13	Recordkeeping for allowable temperature excursion [Basis: 2-1-403]	N	
Part 14	Allowable temperature excursion clarification [Basis: 2-1-403]	N	
Part 15	Temperature monitor and recording requirements [Basis: 2-1-403]	N	
BAAQMD Condition # 24923	Permit Conditions		
part 1	Final fugitive component counts and identification [Basis: 2-1-403 and 8-33-309.10]	N	
part 2	Permitted fugitive components [Basis: cumulative increase; 2-5; 8-33]	N	
part 3	Leak monitor requirements [Basis: 8-33]	N	
part 4	Leak repair and re-inspection requirements [Basis: 2-1-403; 2-5]	N	
Part 5	Correlation testing requirements [Basis:8-33]	N	

VI. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

Table IV - A
Source-specific Applicable Requirements
S-21, S-22, S-23, S-24, AND S-25 - LOADING RACKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 5	Recordkeeping requirements [Basis: 2-1-403]	N	

Table IV - B
Source-specific Applicable Requirements
S-1, S-2, S-4, S-5, S-6, S-7, S-8, S-9, S-10, S-11, S-12, S-13, S-15, S-16, S-18, AND S-20 - INTERNAL FLOATING ROOF TANKS

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 (10/18/06)		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	N	
8-5-112	Limited Exemption, Tanks in Operation	N	
8-5-301	Storage Tanks Control Requirements (>150 m3; >39,626 gallon capacity)	N	
8-5-303	Requirements for pressure vacuum Valves	N	
8-5-305	Requirements for Internal Floating Roofs	N	
8-5-305.2	Seals Requirements	N	
8-5-305.3	Viewport requirements	N	
8-5-305.4	Floating roof fittings requirements	N	
8-5-305.5	Good operating condition	N	
8-5-305.6	Tank shell in good operating condition	N	
8-5-320	Tank Fitting requirements	N	
8-5-320.2	Roof opening requirements	N	
8-5-320.3	Roof opening requirements	N	

VI. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

Table IV - B
Source-specific Applicable Requirements
S-1, S-2, S-4, S-5, S-6, S-7, S-8, S-9, S-10, S-11, S-12, S-13, S-15, S-16, S-18, AND S-20 -
INTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-320.4	Solid sampling or gauging wells requirements	N	
8-5-320.5	Slotted sampling or gauging wells requirements	N	
8-5-320.5.1	Well projection	N	
8-5-320.5.2	Well equipment requirements	N	
8-5-320.5.3	Gap measurements	N	
8-5-320.6	Emergency roof drain cover	N	
8-5-321	Primary Seal Requirements	N	
8-5-321.1	No openings such as holes etc.	N	
8-5-321.2	Seal metallic shoe	N	
8-5-321.3	Metallic-shoe-seal requirements	N	
8-5-321.3.1	Geometry of the shoe	N	
8-5-321.3.2	Welded tank gap allowed	N	
8-5-322	Secondary Seal requirements	N	
8-5-322.1	No openings such as holes etc.	N	
8-5-322.2	Insertion access to measure gaps in primary seal	N	
8-5-322.3	Welded tank secondary seal gap requirements	N	
8-5-322.5	Welded tank gap allowed	N	
8-5-322.6	Secondary seal extension and not attached to primary seal	N	
8-5-328	Tank Degassing Requirements	N	
8-5-328.1	Degassing control requirements	N	
8-5-328.2	Ozone excess day prohibition	N	
8-5-328.3	Tank degassing notification requirements	N	
8-5-331	Tank cleaning requirements	N	
8-5-331.1	Cleaning agents specifications	N	
8-5-331.2	Steam usage prohibition	N	
8-5-331.3	Steam usage limitations	N	
8-5-332	Sludge handling requirements	N	
8-5-332.1	Sludge container – no leakage	N	
8-5-332.2	Sludge container gap specifications	N	
8-5-402	Inspection Requirements for Internal Floating Roof Tanks	N	

VI. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

Table IV - B
Source-specific Applicable Requirements
S-1, S-2, S-4, S-5, S-6, S-7, S-8, S-9, S-10, S-11, S-12, S-13, S-15, S-16, S-18, AND S-20 -
INTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-402.1	Primary and secondary seals inspection once every 10 years	N	
8-5-402.2	Secondary Seal visual inspection twice per calendar year	N	
8-5-402.3	Tank fittings Inspection twice per calendar year	N	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	N	
8-5-403.1	Pressure vacuum valves – gas tight in section 8-5-303.	N	
8-5-404	Certification	N	
8-5-501	Records	N	
8-5-501.1	Records, type and amount of liquid, type of blanket gas, true vapor pressure ranges	N	
8-5-501.2	Records of seal replacement for at least 10 years	N	
8-5-501.3	Retain all records, reports, etc.	N	
8-5-501.4	Retain pressure vacuum valves setpoint engineering data sheets	N	
8-5-502	Tank Degassing Annual Source Test Requirement	N	
SIP Regulation 8, Rule 5	Organic Compounds - Storage of Organic Liquids (6/5/03)		
8-5-111	Limited Exemption, Tank Removal From and Return to Service	Y	
8-5-112	Limited Exemption, Tanks in Operation	Y	
8-5-301	Storage Tanks Control Requirements (>150 m3; >39,626 gallon capacity)	Y	
8-5-303	Requirements for pressure vacuum Valves	Y	
8-5-305	Requirements for Internal Floating Roofs	Y	
8-5-305.2	Seals Requirements	Y	
8-5-305.3	Viewport requirements	Y	
8-5-305.4	Floating roof fittings requirements	Y	
8-5-305.5	Good operating condition	Y	
8-5-320	Tank Fitting requirements	Y	
8-5-320.2	Roof opening requirements	Y	
8-5-320.3	Roof opening requirements	Y	
8-5-320.4	Solid sampling or gauging wells requirements	Y	
8-5-320.5	Slotted sampling or gauging wells requirements	Y	

VI. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

Table IV - B
Source-specific Applicable Requirements
S-1, S-2, S-4, S-5, S-6, S-7, S-8, S-9, S-10, S-11, S-12, S-13, S-15, S-16, S-18, AND S-20 -
INTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-320.5.1	Well projection	Y	
8-5-320.5.2	Well equipment requirements	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 metallic shoe	Y	
8-5-321.3	Metallic-shoe-seal requirements	Y	
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	
8-5-322.6	Secondary seal extension and not attached to primary seal	Y	
8-5-328	Tank Degassing Requirements	Y	
8-5-328.1	Degassing control requirements	Y	
8-5-328.2	Ozone excess day prohibition	Y	
8-5-402	Inspection Requirements for Internal Floating Roof Tanks	Y	
8-5-402.1	Primary and secondary seals inspection once every 10 years	Y	
8-5-402.2	Secondary Seal visual inspection twice per calendar year	Y	
8-5-402.3	Tank fittings Inspection twice per calendar year	Y	
8-5-403	Inspection Requirements for Pressure Vacuum Valves	Y	
8-5-404	Certification	Y	
8-5-405	Information Required	Y	
8-5-501	Records	Y	
8-5-501.1	Records, type and amount of liquid, type of blanket gas, true vapor pressure ranges	Y	
8-5-501.2	Records of seal replacement for at least 10 years	Y	
8-5-502	Tank Degassing Annual Source Test Requirement	Y	

VI. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

Table IV - B
Source-specific Applicable Requirements
S-1, S-2, S-4, S-5, S-6, S-7, S-8, S-9, S-10, S-11, S-12, S-13, S-15, S-16, S-18, AND S-20 -
INTERNAL FLOATING ROOF TANKS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-5-503	Portable Hydrocarbon Detector	Y	
40 CFR 63 Subpart BBBBBB	National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals; Bulk plants; and Pipeline Facilities (1/10/08)		
63.11080	Purpose of this subpart	Y	
63.11081(a)	Applicability requirements	Y	
63.11082	Parts of facility covered by this subpart	Y	
63.11083(b)	Compliance date	Y	
63.11087(a)	Table 1: Applicable emission limit and management practice	Y	
63.11087(b)	Date of compliance	Y	
63.11087(c)	Testing and Monitoring requirements	Y	
63.11087(d)	Notification requirements	Y	
63.11087(e)	Recordkeeping and Report submission requirements	Y	
63.11092(e)(1)	Inspection requirements for internal floating roof system	Y	
63.11093	Notification requirements	Y	
63.11094(a)	Recordkeeping requirements	Y	
63.11095(a)(1)	Semiannual compliance and information report as applicable	Y	
63.11098	Table 3: General Provisions of Part 63 to Subpart BBBBBB	Y	
63.11100	Definitions	Y	
BAAQMD Condition # 17285	Permit Conditions for S-11		
Part 1	Annual Throughput Limit [Basis: Cumulative Increase]	Y	
Part 2	Recordkeeping requirements [Basis: Cumulative Increase]	Y	

VI. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

Table IV - C
Source-specific Applicable Requirements
S-29, S-30, S-31, AND S-32 – UNDERGROUND TANKS/SUMPS

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 (10/18/06)		
8-5-301	Storage Tanks Control Requirements (Smaller than 37.5 m ³): a submerged fill pipe	N	
8-5-302	Requirements for submerged fill pipes	N	
SIP Regulation 8, Rule 5	Organic Compounds - Storage of Organic Liquids (6/5/03)		
8-5-301	Storage Tanks Control Requirements (Smaller than 37.5 m ³): a submerged fill pipe	Y	
8-5-302	Requirements for submerged fill pipes	Y	
40 CFR 63 Subpart BBBBBB	National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals; Bulk plants; and Pipeline Facilities (1/10/08)		
63.11080	Purpose of this subpart	Y	
63.11081(a)	Applicability requirements	Y	
63.11082	Parts of facility covered by this subpart	Y	
63.11083(b)	Compliance date	Y	
63.11087(a)	Table 1: Applicable emission limit and management practice	Y	
63.11087(c)	Testing and Monitoring requirements	Y	
63.11087(d)	Notification requirements	Y	
63.11087(e)	Recordkeeping and Report submission requirements	Y	
63.11093	Notification requirements	Y	
63.11098	Table 3: General Provisions of Part 63 to Subpart BBBBBB	Y	
63.11100	Definitions	Y	
BAAQMD Condition # 16325	Permit Conditions		
Part 1	Annual Throughput Limits	Y	
Part 2	Recordkeeping Requirements	Y	

VI. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

Table IV - D
Source-specific Applicable Requirements
S-28 - 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 (9/15/04)		
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)	N	
8-8-301.1	Solid, vapor-tight, full contact fixed cover requirements	N	
8-8-303	Gauging and Sampling Devices requirements	N	
8-8-305	Oil/water Separator and/or Air Flotation Unit slop oil vessels	N	
8-8-305.1	Solid, gasketed, fixed cover, etc. requirements	N	
8-8-306	Oil/water Separator Effluent Channel, Pond, Trench, or Basin	N	
8-8-306.1	Solid, gasketed, fixed cover, etc. requirements	N	
8-8-308	Junction Box requirements	N	
8-8-501	Bypassed wastewater recordkeeping requirements	N	
8-8-503	Inspections and repairs recordkeeping requirements	N	
8-8-603	Inspection Procedures	N	
SIP Regulation 8, Rule 8	Organic Compounds - Wastewater (Oil-Water) Separators (8/29/94)		
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	

VI. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

Table IV - D
Source-specific Applicable Requirements
S-28 - OIL/WATER SEPARATOR

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
8-8-503	Inspections and repairs recordkeeping requirements	Y	
8-8-603	Inspection Procedures	Y	
BAAQMD Condition # 11349	Permit Conditions		
Part 1	Abatement Requirements	Y	
Part 2	Concentration limit at Abatement #3	Y	
Part 3	Concentration limit at Abatement #4	Y	
Part 4	Non-methane hydrocarbon emissions determination	Y	
Part 5	FID monitoring locations	Y	
Part 6	Monitor reading requirements	Y	
Part 7	Monthly record keeping requirements	Y	
Part 8	Maintenance of records	Y	

Table IV - E
Source-specific Applicable Requirements
S-35 – ETHANOL UNLOADING RACK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 6	Organic Liquid Bulk Terminals and Bulk Plants (2/2/94)		
8-6-304	Deliveries to storage tanks	Y	
8-6-305	Delivery vehicle requirements	Y	
8-6-306	Equipment maintenance	Y	
8-6-307	Operating practices	Y	
BAAQMD			

VI. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

Table IV - E
Source-specific Applicable Requirements
S-35 – ETHANOL UNLOADING RACK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Condition # 23531			
Part 1	Annual throughput limit	Y	
Part 2	Vapor balance system requirement	Y	
Part 3	Recordkeeping requirements	Y	

Table IV - F
Source-specific Applicable Requirements
S-36 – OFF-SPECIFICATION FUEL UNLOADING RACK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (7/20/05)		
8-2-301	Total carbon emissions < 15 lb/day or concentration < 300 ppm	N	
SIP Regulation 8, Rule 2	Organic Compounds – Miscellaneous Operations (3/22/95)		
8-2-301	Total carbon emissions < 15 lb/day or concentration < 300 ppm	Y	
40 CFR 63 Subpart BBBBBB	National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals; Bulk plants; and Pipeline Facilities (1/10/08)		
63.11080	Purpose of this subpart	Y	
63.11081(a)	Applicability requirements	Y	
63.11082	Parts of facility covered by this subpart	Y	
63.11083(b)	Compliance date	Y	
63.11088(a)	Emission limit and management practice in Table 2	Y	

VI. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

Table IV - F
Source-specific Applicable Requirements
S-36 – OFF-SPECIFICATION FUEL UNLOADING RACK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.11088 (c)	Compliance dates	Y	
63.11088 (d)	Testing and monitoring requirements as specified in 63.11092	Y	
63.11088(e)	Applicable notification as per 63.11093	Y	
63.11088(f)	Recordkeeping and report submission as per 63.11094 and 63.11095	Y	
63.11092	Testing and monitoring requirements	Y	
63.11092(a)	Performance test on the vapor processing and collection system	Y	
63.11092(b)	Determine a monitored operating parameter value for the vapor processing system	Y	
63.11092(b)	Installation and operation of continuous parameter monitoring system for vapor processing system (thermal oxidation system)	Y	
63.11092(b)(1)(iii)			
63.11092(b)(3)	Determine operating parameter value based on performance test	Y	
63.11092(b)(4)	Submit the rationale for the selected parameter value, etc. for the Administrator's approval	Y	
63.11092(b)(5)	Performance test alternatives	Y	
63.11092(c)	Document reason for any change in the operating parameter value	Y	
63.11092(d)	Compliance requirements to operate the vapor processing system	Y	
63.11093	Notification requirements	Y	
63.11094(b)	Recordkeeping of test results for each gasoline cargo tanks	Y	
63.11094(c)	Alternative to keeping records of test results for each gasoline cargo tanks	Y	
63.11094(f)(1)	Recordkeeping of continuous monitoring data	Y	
63.11094(f)(2)(i)	Record and report simultaneously with Notification of Compliance Status all data and calculations, etc., in determining the operating parameter value.	Y	
63.11094(f)(3)	Keep an up-to-date, readily accessible copy of the monitoring and inspection plan as per 63.11092(b)(1)(iii)(B)(2)	Y	
63.11094(f)(4)	Keep an up-to-date, readily accessible record of all system malfunctions, as specified in 63.11092(b)(1)(iii)(B)(2)(v)	Y	

VI. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

Table IV - F
Source-specific Applicable Requirements
S-36 – OFF-SPECIFICATION FUEL UNLOADING RACK

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.11095(a) (2)	Submit semiannual compliance report for each loading of cargo tank for which vapor tightness documentation had not been previously obtained	Y	
63.11095(b)	Submit excess emission report at the same time semiannual compliance report is submitted	Y	
63.11098	Table 3: General Provisions of Part 63 to Subpart BBBBBB	Y	
63.11100	Definitions	Y	
BAAQMD Condition # 23549			
Part 1	Unloading event limit (basis: cumulative increase)	Y	
Part 2	Vapor balance system requirement (basis: cumulative increase)	Y	
Part 3	Recordkeeping requirements (basis: recordkeeping)	Y	

Table IV - G
Source-specific Applicable Requirements
FUGITIVE 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 (9/15/2004)		
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	

VI. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

Table IV - G
Source-specific Applicable Requirements
FUGITIVE COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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 Regulation 8, Rule 18	Organic Compounds-Equipment Leaks (6/5/03)		
8-18-301	General	Y	
8-18-302	Valves	Y	
8-18-303	Pumps and compressors	Y	
8-18-304	Connectors	Y	
8-18-305	Pressure relief devices	Y	
8-18-306	Non-repairable equipment	Y	
8-18-307	Liquid Leaks	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	
8-18-405	Alternate emission reduction plan	Y	
SIP Regulation 8, Rule 25	Organic Compounds-Pump and Compressor Seals at Petroleum Refinery Complexes, Chemical Plants, Bulk Plants and Bulk Terminals (3/7/95)		
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	

VI. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

Table IV - G
Source-specific Applicable Requirements
FUGITIVE COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
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	
40 CFR 63 Subpart BBBBBB	National Emission Standards for Hazardous Air Pollutants for Source Category: Gasoline Distribution Bulk Terminals; Bulk plants; and Pipeline Facilities (1/10/08)		
63.11080	Purpose of this subpart	Y	
63.11081(a)	Applicability requirements	Y	
63.11082	Parts of facility covered by this subpart	Y	
63.11083(b)	Compliance date	Y	
63.11089(a)	Monthly leak inspection of all equipment	Y	
63.11089(b)	Each completed inspection entered and signed in a logbook. Logbook shall also contain a list, summary description or diagram showing the location of all equipment.	Y	
63.11089(c)	Each detection of leak shall be recorded in a logbook. Initial attempt to repair leak be made within 5 calendar days of leak detection. Repair or replacement of leaking equipment be completed within 15 calendar days of leak detection of each leak	Y	
63.11089(d)	Delay of repair of leaking equipment allowed if repair is not feasible within 15 days. Reason for delay shall be reported in semiannual report	Y	
63.11093	Notification requirements	Y	
63.11094(d)	Prepare and maintain a record describing the types, identification numbers, and location of all equipment in gasoline service. For facilities electing to implement instrument program, the record shall contain full description of the program.	Y	
63.11094(e)	Leak information to be recorded in the logbook	Y	
63.11095(a) (3)	Semiannual compliance report including number of equipment leaks not repaired within 15 days after detection	Y	

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Table IV - G
Source-specific Applicable Requirements
FUGITIVE COMPONENTS

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.11095(b) (5)	Excess emission report with semiannual compliance report shall include each occurrence of an equipment leak for which no repair attempt was made within 5 days or for which repair was not completed within 15 days after detection	Y	
63.11098	Table 3: General Provisions of Part 63 to Subpart BBBBBB	Y	
63.11100	Definitions	Y	

Table IV- H
Source-specific Applicable Requirements
S-33– Emergency Diesel Generator

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 6, Rule 1	Particulate Matter, General Requirements (12/5/07)		
6-1-303	Ringelmann Number 2 Limitation	N	
6-1-303.1	Ringelmann Number 2 Limitation for engines	N	
6-1-305	Visible Particles	N	
6-1-310	Particulate Weight Limitation	N	
6-1-401	Appearance of Emissions	N	
SIP Regulation 6	Particulate Matter and Visible Emissions (9/4/98)		
6-303	Ringelmann Number 2 Limitation	Y	
6-303.1	Ringelmann Number 2 Limitation for engines	Y	
6-305	Visible Particles	Y	
6-310	Particulate Weight Limitation	Y	
6-401	Appearance of Emissions	Y	

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Table IV- H
Source-specific Applicable Requirements
S-33– Emergency Diesel Generator

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
BAAQMD Regulation 9, Rule 1	Inorganic Gaseous Pollutants - Sulfur Dioxide (3/15/95)		
9-1-301	Limitations on Ground Level Concentrations	Y	
9-1-304	Fuel Burning (Liquid and Solid Fuels)	Y	
BAAQMD Regulation 9, Rule 8	Inorganic Gaseous Pollutants-Nitrogen Oxides and Carbon Monoxide from Stationary Internal Combustion Engines (7/25/07)		
9-8-330	Emergency Standby Engines, Hours of Operation	N	
9-8-330.1	Unlimited hours during emergency	N	
9-8-330.3	Reliability related hours of operation	N	
9-8-530	Emergency standby engines, monitoring and recordkeeping	N	
CCR, Title 17, Section 93115	ATCM for Stationary Compression Ignition Engines		
93115.5	Fuel Requirements	N	
93115.6	ATCM for Stationary CI Engines – Emergency Standby Diesel-Fueled CI Engine (>50 bhp) Operating Requirements and Emission Standards	N	
93115.6(b)	In-Use Emergency Standby Diesel-Fueled CI Engine (> 50 bhp) Operating Requirements and Emission Standards	N	
93115.6(b)(3)	Emission and operation standards	N	
93115.6(b)(3)(A)	Diesel PM Standard and Hours of Operation Limitations	N	
93115.6(b)(3)(A)(1)	General Requirements	N	
93115.6(b)(3)(A)(1)(a)	20 hours/yr for maintenance & testing	N	
93115.10(e)(1)	Monitoring Equipment	N	
93115.10(g)	Reporting Requirements for Emergency Standby Engines	N	
93115.11	ATCM for Stationary CI Engines – Compliance Schedule for Owners or Operators of Three or Fewer Engines (>50 bhp) Located within a District	N	

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Table IV- H
Source-specific Applicable Requirements
S-33– Emergency Diesel Generator

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
93115.11(a)	Compliance by 1/1/06 for engines complying by reducing hours of operation	N	
93115.15	Severability	N	
40 CFR Part 63 Subpart ZZZZ	National Emissions Standards for Hazardous Air Pollutants for Stationary Reciprocating Internal Combustion Engines (RICE)		
63.6585	Applicability	Y	
63.6585(a)	Applicable to stationary RICE	Y	
63.6585(c)	Applicable to area source of HAPs	Y	
63.6590(a)	Affected source is any existing, new, or reconstructed stationary RICE located at major or area source of HAP emissions	Y	
63.6690(a)(1)(i) ii)	Existing RICE located at an area source of HAP emissions, constructed on or before 6/12/2006	Y	
63.6603(a)	Comply with the requirement in Table 2d and operating limitations in Table 2b that apply	Y	
Table 2d- Item4.a	Change oil and filter	Y	
Table 2d- Item4.b	Inspect air cleaner	Y	
Table 2d- Item.4.c	Inspect all hoses and belts, and replace as necessary.	Y	
63.6625(f)	Install a non-resettable hour meter	Y	
63.6625(h)	Minimize the engine's time spent at idle during startup and startup time to a period needed for appropriate and safe loading of the engine, not to exceed 30 minutes	Y	
63.6640(a)	Comply with the requirements in Table 2d that apply according to methods specified in Table 6	Y	
Table 6 – Item 9	Operating and maintaining the stationary RICE according to the manufacturer's emission-related operation and maintenance instructions	Y	
63.6640(f)(1)	No time limit in emergency situations.	Y	

VI. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

Table IV- H
Source-specific Applicable Requirements
S-33– Emergency Diesel Generator

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
63.6640(f)(2)	Time limit for maintenance checks, readiness testing, emergency demand response, and periods where there is a deviation of voltage or frequency of 5% or greater below standard.	Y	
63.6640(f)(4)	Time limit in non-emergency situations	Y	
63.6650(a)	Submit each report in Table 7 that apply	Y	1/1/2015
Table 7 – Item 4	Submit annual report according to §63.6650(h) for engines that operate or are contractually obligated to be available for more than 15 hour per year for the purposes specified in §63.6640(f)(2)(ii) and (iii) or that operate for the purposes specified in § 63.6640(f)(4)(ii)	Y	1/1/2015
63.6650(h)(1)	Annual report content requirements	Y	1/1/2015
63.6650(h)(2)	Time and date for submitting annual report	Y	3/1/2016
63.6650(h)(3)	Method for submitting annual report	Y	3/1/2016
63.6655(e)(2)	Keep records of maintenance conducted	Y	
63.6655(f)(2)	Keep records of hours of operation and document the purpose of the operation	Y	
63.6660	Recordkeeping in a form suitable and readily available for expeditious review and for five years according to 63.10(b)(1)	Y	
63.6665	Comply with General Provisions in Table 8		
BAAQMD Condition # 22820	Permit Conditions		
Part 1	Hours of operation for reliability-related activities (basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(3) or (e)(2)(B)(3))	N	
Part 2	Operation for specific purposes (basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(3) or (e)(2)(B)(3))	N	
Part 3	Operating hour or fuel usage meter requirements (basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection(e)(4)(G)(1))	N	
Part 4	Record keeping (basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(4)(I), or, Regulation 2-6-501))	N	

VI. SOURCE-SPECIFIC APPLICABLE REQUIREMENTS

**Table IV- H
 Source-specific Applicable Requirements
 S-33– Emergency Diesel Generator**

Applicable Requirement	Regulation Title or Description of Requirement	Federally Enforceable (Y/N)	Future Effective Date
Part 5	At or near school operation requirements (basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection (e)(2)(A)(1)] or (e)(2)(B)(2))	N	

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.

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

CONDITION # 4275

For S-21, S-22, S-23, S-24 and S-25, Loading Racks
(Revised: Application #993; A# 13405; A# 18159; A #22718)

1. To demonstrate compliance with all applicable sections of Regulation 8, Rule 33, Santa Fe Pacific Pipelines (SFPP) shall install the following equipment at their facility:

- a. A sample line from each of the pressure vacuum valves located at the loading racks which is easily accessible by District personnel.
- b. A 0- to- 30 inch H₂O column pressure gauge shall be permanently installed at the vapor manifold of each loading rack.
- c. A hydrocarbon analyzer on the exhaust of the burner. Hydrocarbon concentration in parts per million as propane shall be continuously recorded.
- d. A two-stage high-level vapor holder alarm. First stage shall alarm at a vapor diaphragm height of 31 feet and second stage shall shutdown loading racks at a vapor diaphragm height of 36 feet.
- e. A headspace hydrocarbon monitor shall be installed to measure the concentration above the diaphragm in the vapor holding tank. This monitor shall measure hydrocarbon concentrations from 0- to 2,500 parts per million, as C₄ and shall be recorded.

The monitoring equipment installed pursuant to 1c and 1e above shall be subject to the procedures set forth in District Regulation 1, Section 522 with the exception of Regulation 1-522.5. All monitors shall be calibrated weekly. In case of monitor breakdown, the monitor shall be repaired as soon as possible and within 15 days.
(basis: Regulation 8-33-308)

2. In no case shall the headspace above the diaphragm of the vapor holding tank exceed 3000 PPM as methane or 6% of the Lower Explosive Limit.
(basis: Regulation 8-33-308)

3. Loading of gasoline at the facility shall be limited to direct mode operation when:

- a. The vapor holder is out of service for any reason, and

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b. The vapor bladder exceeds a height of thirty-six (36) feet.

(basis: Regulation 8-33-301)

4. SFPP shall not load gasoline at this facility whenever the vapor burner and vapor bladder are not fully operational for any reason.

(basis: Regulation 8-33-301, 8-33-308)

5. The vapor recovery system shall be operated such that the concentration of hydrocarbon vapor in the exhaust stream from the burner does not exceed 120 parts per million (PPM) as propane when averaged over a six hour period. This 120 PPM value will be adjusted, if necessary, to comply with Regulation 8, Rule 33.

(basis: Regulation 8-33-301)

6. SFPP shall not exceed any of the following material throughput limits:

(a) 2,400,000 gallons per day of gasoline.

(b) 250,000 gal/hr of gasoline or current CARB certified hourly throughput (Polish/By-pass Mode).

(c) 100,000 gal/hr of gasoline or current CARB certified hourly throughput (Direct Mode).

(d) 876,000,000 gallons of all materials per consecutive 12-month period.

(basis: cumulative increase)

7. All equipment at this facility, which is subject to Regulation 8, Rule 33, shall be maintained in good operating condition at all times.

(basis: Regulation 8-33-305)

8. All maintenance records for the vapor holder tank at this facility shall be kept on site for five years from date of entry and be made available to the District staff upon request.

9. To demonstrate compliance with part 6, the hourly (average), daily, and monthly material throughput shall be recorded and maintained in a District approved logbook. These records shall be kept on site for at least five years from the date on which a record is made and be made available to the District staff for inspection.

(basis: cumulative increase)

10. Deleted (Start-up source test conducted on March 11, 2011.)

11. The owner/operator shall operate A-2 at 500 degree Fahrenheit or above to demonstrate compliance with Part 5 and Regulation 8-33-301 at all times when A-2 is abating the loading racks.

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(basis: Regulation 8-33-301)

12. The temperature limit in Part 11 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.
 - 1) the excursion does not exceed 50 degree Fahrenheit;
 - 2) the duration of the excursion does not exceed 24 hours;
 - 3) the total number of such excursion does not exceed 12 per consecutive 12-month period.

Two or more excursion greater than 15 minutes in during occurring during the same 24-hour period shall be counted as one excursion toward the 12-excursion limit.

(basis: Regulation 2-1-403)

13. For each Allowable Temperature Excursion that exceeds 20 degree Fahrenheit and 15 minutes in duration, the owner/operator shall keep sufficient records to demonstrate that they meet the qualifying criteria described above in Part 12. Records shall be retained for a minimum period of two 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 other temperature records.

(basis: Regulation 2-1-403)

14. For the purposes of Parts 12 and 13, a temperature excursion refers only to temperature below the limit.

(basis: Regulation 2-1-403)

15. The owner/operator shall equip A-2 with a District approved continuous temperature monitoring and recording device to demonstrate compliance with Part 11. 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 2-1-403)

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CONDITION # 11349

For S-28:

1. The Oily Water Separator (S-28) shall be vented at all times to at least two 165-pound activated carbon vessels arranged in series. (Basis: Cumulative Increase)
2. The first carbon bed, Abatement #3, shall be changed out with unspent carbon upon the detection of 10 ppmv (total carbon) and 10% of the inlet stream concentration to the carbon bed as measured by a flame ionization detector (OVA-FID) or other method approved in writing by the APCO. (Basis: Cumulative Increase)
3. The last carbon bed, Abatement #4, shall be changed out with unspent carbon upon detection of breakthrough or 6 ppmv (total carbon) as measured with a flame ionization detector (OVA-FID) or other method approved in writing by the APCO. (Basis: Cumulative Increase)
4. The limits set forth in conditions # 2 and # 3 shall apply to non-methane hydrocarbon emissions. To determine the presence of methane in the exhaust stream, a reading shall be taken with and without a carbon filter tip fitted on the OVA-FID probe. Concentrations measured with the carbon filter tip in place shall be considered methane for the purpose of these permit conditions. (Basis: Cumulative Increase)
5. The operator of this source shall monitor with a FID or other method approved in writing by the APCO at the following locations: (Basis: Cumulative Increase)
 - a. At the exhaust of Source #28; the inlet to carbon bed Abatement #3.
 - b. At the exhaust of Abatement #3; the inlet to carbon bed Abatement #4.
 - c. At the outlet of carbon bed Abatement #4; the carbon bed that is last in series prior to venting to the atmosphere.
6. These monitor readings shall be recorded in a monitoring log at the time they are taken. The monitoring results shall be used to: (Basis: Cumulative Increase)
 - a. Calculate the time of predicted breakthrough of organics after carbon adsorption to maintain compliance with condition number 3.
 - b. Estimate the frequency of carbon change out necessary to maintain compliance with condition number 2.
 - c. To maintain compliance with conditions number 2 and 3 the monitoring shall be conducted on a weekly basis. The operator of this source may propose for District review, based on actual measurements taken at the site during operation of the source,

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that the monitoring schedule be changed based on the decline in organic emissions and/or the demonstrated breakthrough rates of the carbon vessels. Written approval by the District must be received by the applicant prior to a change to the monitoring schedule.

7. The operator of this source shall maintain the following information in a District approved log for each month of operation of the source: (Basis: Recordkeeping)

- a. The hours of operation.
- b. Each monitor reading or analysis result for the day of operation they are taken.
- c. The calculation of organic breakthrough from the carbon beds.
- d. The number of carbon beds removed from service.

Any exceedance of condition number 2 and/or 3 shall be reported to the Permits Division with the log as well as the corrective action taken. In addition, an exceedance of condition number 2 and/or 3 shall be submitted to the District Enforcement Section at the time it occurs. The submittal shall detail the corrective action taken and shall include the data showing the exceedance as well at the time of occurrence.

8. The operator shall maintain a file containing all measurements, records and other data that are required to be collected pursuant to the various provisions of this conditional Authority to Construct/Permit to Operate. All measurements, records and data required to be maintained by the applicant shall be retained for at least five years following the date the data is recorded. (Basis: Recordkeeping)

CONDITION # 16325

S-29 through S-32:

1. The total gasoline and jet kerosene throughput at these sumps, S-29 through S-32, shall not exceed 214,150 gallons and 92,350 gallons respectively per consecutive 12 month period.(Basis: Cumulative Increase)

2. In order to demonstrate compliance with the above condition, 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 60 months from the date of recording, and be made available to the District staff for inspection. (Basis: Cumulative Increase)

CONDITION # 17285

For S-11, Storage Tank:

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(Revision: A# 13405)

1. The owner/operator shall not exceed the ethanol throughput limit of 52.56 MM gallons/yr. (basis: cumulative increase)
2. The owner/operator shall maintain a record of the ethanol throughput in a District approved log to demonstrate compliance with part 1 of this condition. These records shall be kept on a monthly basis. All records shall be retained for a period of five years from the date of data entry, and be made available to the District staff for inspection. (basis: cumulative increase)

CONDITION # 22820

1. The owner/operator shall not exceed 20 hours per year per engine for reliability-related testing. [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.6 (b)(3)(A)(1)(a)]
2. The owner/operator shall operate each emergency standby engine only for the following purposes: to mitigate emergency conditions, for emission testing to demonstrate compliance with a District, State or Federal emission limit, or for reliability-related activities (maintenance and other testing, but excluding emission testing). Operating while mitigating emergency conditions or while emission testing to show compliance with District, State or Federal emission limits is not limited. [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.6 (b)(3)(A)(1)(a)]
3. The owner/operator shall operate each emergency standby engine only when a non-resettable totalizing meter (with a minimum display capability of 9,999 hours) that measures the hours of operation for the engine is installed, operated and properly maintained. [Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.10 (e)(1)]
4. Records: The owner/operator shall maintain the following monthly records in a District-approved log for at least 36 months from the date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). Log entries shall be retained on-site, either at a central location or at the engine's location, and made immediately available to the District staff upon request.
 - a. Hours of operation for reliability-related activities (maintenance and testing).
 - b. Hours of operation for emission testing to show compliance with emission limits.
 - c. Hours of operation (emergency).
 - d. For each emergency, the nature of the emergency condition.
 - e. Fuel usage for each engine(s).[Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 93115.10 (g) (or, Regulation 2-6-501)]

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5. At School and Near-School Operation: If the emergency standby engine is located on school grounds or within 500 feet of any school grounds, the following requirements shall apply: The owner/operator shall not operate each stationary emergency standby diesel-fueled engine for non-emergency use, including maintenance and testing, during the following periods:

- a. Whenever there is a school sponsored activity (if the engine is located on school grounds)
- b. Between 7:30 a.m. and 3:30 p.m. on days when school is in session.

"School" or "School Grounds" means any public or private school used for the purposes of the education of more than 12 children in kindergarten or any of grades 1 to 12, inclusive, but does not include any private school in which education is primarily conducted in a private home(s).

"School" or "School Grounds" includes any building or structure, playground, athletic field, or other areas of school property but does not include unimproved school property.

[Basis: "Stationary Diesel Engine ATCM" section 93115, title 17, CA Code of Regulations, subsection 9.115.6 (b)(2)]

Condition # 23531

For S-35, Unloading Rack (ethanol), 2 loading arms

1. The owner/operator shall receive denatured ethanol at this facility only through S-35 and shall not exceed a throughput limit of 52.56 million gallons per consecutive 12-month period. (basis: permit condition ID# 17285, part 1)
2. The owner/operator shall not transfer denatured ethanol unless a vapor balance system is installed and properly connected during unloading. (basis: Regulation 8-6-304)
3. The owner/operator shall keep records in a District approved logbook to demonstrate compliance with part 1 and keep the records for at least five years from the date of data entry and make it available to the District staff upon request. (basis: Regulation 8-6-501)

Condition # 23549

For S-36, Offspec Unloading Rack, 1 loading arm

1. The owner/operator shall unload offspec gasoline at this facility only through S-36 and shall not exceed number of unloading event limit of 10950 per consecutive 12-month period. (basis: cumulative increase)
2. The owner/operator shall not unload offspec gasoline unless a vapor balance system is installed

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and properly connected during unloading. (basis: cumulative increase)

3. The owner/operator shall keep records in a District approved logbook to demonstrate compliance with part 1 and keep the records for at least five years from the date of data entry and make it available to the District staff upon request. (basis: recordkeeping)

Condition # 24923

1. Within 30 days of installing the back pressure monitors on the vapor collection piping of each loading rack abated by A-1 and A-2 and the related fugitive components, such as but not limited to connectors, flanges, open-ended lines, pump seals, and valves as required by the 2009 amendments to Regulation 8, Rule 33, the owner/operator shall provide the permit engineer in the Bay Area Air Quality Management District's (herein after District) Engineering Division assigned to Plant 4021 a final count of all fugitive components installed, along with each installed component's unique and permanent identification number. [Basis: Regulation's 2-1-403 and 8-33-309.10]

2. Until such time a final count of all fugitive components installed is provided to the District's permit engineer assigned to Plant 4021 and for the interim, the owner/operator has proposed to and has been permitted by the District under Application 22958 to install the following fugitive components: 21 flanges. [Basis: Cumulative Increase, Regulation 2, Rule 5, Regulation 8, Rule 33]

3. On a quarterly basis, the owner/operator shall monitor the fugitive components installed as part of Application 22958 for leaks with a device such as, but not limited to, a flame ionization detector (FID). For the purposes of this permit condition, a leak is defined as the concentration of total organic compounds (TOC) above background, expressed as methane, as measured 1 centimeter or less from a leaking fugitive component using EPA Reference Method 21 (40 CFR 60, Appendix A). [Basis: Regulation 8, Rule 33]

4. Within 60 days of discovering a leak, the owner/operator shall repair and re-inspect all fugitive components installed under Application 22958 that are found to be leaking in excess of 100 ppm of TOC expressed as methane. [Basis: Regulation 2-1-403 and Regulation 2, Rule 5]

5. Each backpressure monitor installed by the owner/operator under Application 22958 shall be correlation tested as follows:

- a. The owner/operator shall conduct a District-approved correlation source test within 60 days of startup and annually thereafter, with pressure measured at the loading rack/cargo tank interface.
- b. The owner/operator shall submit a correlation testing protocol for each

VI. PERMIT CONDITIONS

- backpressure monitor installed under Application 22958 to be reviewed and approved by the Source Test Manager at least 15 days prior to conducting testing.
- c. The owner/operator shall notify the Manager of Source Test Section (STS) at least 7 days prior to the date the test is to be conducted, and shall submit the final source test reports to the above individual within 60 days of testing.

Protocol, notification and final report submission should be made electronically by the owner/operator to the Manager of Source Test at: sourcetest@baaqmd.gov. [Basis: Regulation 8, Rule 33]

6. The owner/operator shall maintain a District-approved monthly log of monitoring results and leak repairs performed at fugitive components installed as part of Application 22958 for at least 24 months from date of entry (60 months if the facility has been issued a Title V Major Facility Review Permit or a Synthetic Minor Operating Permit). The log may be in the form of computer-generated data, which is available to District personnel on short notice (rather than actual paper copies). [Basis: Regulation 2-1-403]

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.

This section is only a summary of the limits and monitoring requirements. In the case of a conflict with any requirement in Sections I-VI, the preceding sections take precedence over Section VII.

**Table VII - A
 Applicable Limits and Compliance Monitoring Requirements
 S-21, S-22, S-23, S-24, AND S-25 - LOADING RACKS**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-33-301.2	N		0.04 lb/1000 gallons	BAAQMD 8-33-309.4	P/A	Source test; Recordkeeping ; Notification
POC	BAAQMD 8-33-301.2	N		0.04 lb/1000 gallons	BAAQMD 8-33-309.13	C	Parametric hydrocarbon analyzer; Recordkeeping
POC	BAAQMD 8-33-301.2	N		0.04 lb/1000 gallons	CARB Certification	P/E	Source test;
TOC	BAAQMD 8-33-308.1	N		< 3,000 ppm as methane or 6% of the lower explosive limit	BAAQMD 8-33-308.2	P/W	Hydrocarbon analyzer; Recordkeeping

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S-21, S-22, S-23, S-24, AND S-25 - LOADING RACKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
TOC	BAAQMD 8-33-308.1	N		< 3,000 ppm as methane or 6% of the lower explosive limit	BAAQMD Condition # 4275, part 1e, and part 2	C	Hydrocarbon analyzer; Recordkeeping
Gauge Pressure	BAAQMD 8-33-309.2	N		18 in. of water column	BAAQMD 8-33-309.10, and BAAQMD Condition # 4275, part 1b	P/during product loading	Pressure gauge/Backpressure monitor; Recordkeeping
POC	SIP 8-33-301	Y		9.6 g/1000 liters (0.08 lb/1000 gallons)	CARB Certification	P/E	Source test; Recordkeeping
TOC	SIP 8-33-308	Y		3,000 ppm as methane and 6.8 Kg (15 pounds) per day	BAAQMD Condition #4275, part 1e, and part 2	C	Hydrocarbon analyzer; Recordkeeping
Gauge Pressure	SIP 8-33-309	Y		46 cm (18 in.) of water column	BAAQMD 8-33-309, and BAAQMD Condition # 4275, part 1b	P/during product loading	Pressure gauge
POC	40 CFR 60.502(b)	Y		35 g/1000 liters	None	N	
	40 CFR 60.502(e)	Y		Vapor-tight gasoline tank trucks	40 CFR 60.505(b)	P/A	Vapor tightness documents
Gauge Pressure	40 CFR 60.502(h)	Y		4500 pascals (450 mm of water) in the delivery tank during product loading	None	N	

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S-21, S-22, S-23, S-24, AND S-25 - LOADING RACKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	40 CFR 60.502(j)	Y		Liquid or vapor leaks	40 CFR 60.502(j), and 60.505(c)	P/M	Inspection; Records
POC	40 CFR 63.11088 (a)	Y		80 mg/liter	40 CFR 63.11092(a)	P/6 month	Source test
	40 CFR 63.11088 (a)	Y		Vapor-tight gasoline cargo tanks	40 CFR 63.11092(f) (1)	P/A	Certification test documents
POC	BAAQMD Condition # 4275, part 5	Y		120 ppm as propane	BAAQMD Condition # 4275, part 1c	C	Hydrocarbon analyzer; Recordkeeping
Temperature	BAAQMD Condition # 4275, part 11	Y		Operating temperature 500 degree Fahrenheit	BAAQMD Condition # 4275, part 15	C	Temperature monitor; Recordkeeping
Total material throughput limit	BAAQMD Condition # 4275, part 6a	Y		2,400,000 gallons/day	BAAQMD Condition #4275, part 9	P/D	Recordkeeping
Total material throughput limit	BAAQMD Condition # 4275, part 6b	Y		250,000 gallons/hour in Policy/by-pass Mode	BAAQMD Condition #4275, part 9	P/D	Recordkeeping
Total material throughput limit	BAAQMD Condition # 4275, part 6c	Y		100,000 gallons/hour in Direct Mode	BAAQMD Condition #4275, part 9	P/D	Recordkeeping

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

Table VII - A
Applicable Limits and Compliance Monitoring Requirements
S-21, S-22, S-23, S-24, AND S-25 - LOADING RACKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Total material throughput limit	BAAQMD Condition # 4275, part 6d	Y		876,000,000 gallons/year	BAAQMD Condition #4275, part 9	P/M	Recordkeeping

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S-1, S-2, S-4, S-5, S-6, S-7, S-8, S-9, S-10, S-11, S-12, S-13, S-15, S-16, S-18, AND S-20 - INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-303.1	N		PVV set to either at least 90% of max allowable working pressure or 25.8 mmHg (0.5 psia)	BAAQMD 8-5-403 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.3.1	N		Gasket cover \leq 0.32 cm (1/8 in) gap	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.3.2	N		Inaccessible opening no visible gap	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S-1, S-2, S-4, S-5, S-6, S-7, S-8, S-9, S-10, S-11, S-12, S-13, S-15, S-16, S-18, AND S-20 -
INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-320.4.2	N		Solid sampling or gauging wells in closed position with cover, seal or lid \leq 0.32 cm (1/8 in)	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.4.3	N		Solid sampling or gauging wells: Gap between well and roof shall be added to gaps measured \leq 1.3 cm (1/2 in)	BAAQMD 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.5.2	N		Slotted sampling or gauging wells in closed position with cover, seal or lid \leq 1.3 cm (1/2 in)	BAAQMD 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.5.3	N		Slotted sampling or gauging wells: Gap between well and roof shall be added to gaps measured \leq 1.3 cm (1/2 in)	BAAQMD 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-320.6	N		Emergency roof drain with slotted membrane fabric cover \geq 90% opening area	BAAQMD 8-5-402 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-321.1	N		No holes, tears or other openings in the primary seal fabric	BAAQMD 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S-1, S-2, S-4, S-5, S-6, S-7, S-8, S-9, S-10, S-11, S-12, S-13, S-15, S-16, S-18, AND S-20 -
INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-321.2	N		Primary seal metallic shoe or liquid mounted type	BAAQMD 8-5-402.1 8-5-404	P/10 yr	Inspection Certification
POC	BAAQMD 8-5-321.3	N		For metallic-shoe-type seals, one end of the shoe extends into the stored liquid and the other end extends a minimum vertical distance of 18 inches above liquid surface	BAAQMD 8-5-402, 8-5-404	P/10 yr	Inspection Certification
POC	BAAQMD 8-5-321.3.1	N		For metallic-shoe-type seals, gap between shoe and tank shell is no greater than 46 cm (18 in)	BAAQMD 8-5-402, 8-5-404	P/10 yr	Inspection Certification

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S-1, S-2, S-4, S-5, S-6, S-7, S-8, S-9, S-10, S-11, S-12, S-13, S-15, S-16, S-18, AND S-20 -
INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-321.3.2	N		For welded tanks, gap between tank shell and the primary seal < 3.8 cm (1 1/2 in). No continuous gap > 0.32 cm ((1/8 in) shall exceed 10% of circumference. The cumulative length of all primary seal gaps exceeding 1.3 cm (1/2 in) < 10% of circumference and the cumulative length of all primary seal gaps exceeding 0.32 cm (1/8 in) < 40% of circumference	BAAQMD 8-5-402, 8-5-404	P/10 yr	Inspection Certification
POC	BAAQMD 8-5-322.1	N		No holes, tears, or other openings	BAAQM 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	BAAQMD 8-5-322.2	N		Secondary seal shall allow insertion up to 3.8 cm (1 1/2 in) in width	BAAQMD 8-5-402, & 8-5-404	P/10 yr	Inspection Certification

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S-1, S-2, S-4, S-5, S-6, S-7, S-8, S-9, S-10, S-11, S-12, S-13, S-15, S-16, S-18, AND S-20 -
INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-5-322.3	N		Gap between tank shell and the secondary seal shall not exceed 1.3 cm (1/2 in), and the cumulative length of all secondary seal gaps exceeding 0.32 cm (1/8 in) < 5% of circumference	BAAQMD 8-5-402, & 8-5-404	P/10 yr	Inspection Certification
POC	BAAQMD 8-5-328.1	N		For Tank $\geq 75 \text{ m}^3$, tank degassing with 90% control, residual organic concentration < 10,000 ppm as methane	BAAQMD 8-5-502.2	P/within 12 months prior to the operator's commencement of use	Source Test
POC	SIP 8-5-303.1	Y		PVV set to either 90% of max allowable working pressure or 25.8 mmHg (0.5 psia)	SIP 8-5-403 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	SIP 8-5-320.3.1	Y		Gasket cover ≤ 0.32 cm (1/8 in) gap	SIP 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	SIP 8-5-320.3.2	Y		Inaccessible opening no visible gap	SIP 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	SIP 8-5-320.4.2	Y		Solid sampling or gauging wells in closed position with cover, seal or lid ≤ 0.32 cm (1/8 in)	SIP 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S-1, S-2, S-4, S-5, S-6, S-7, S-8, S-9, S-10, S-11, S-12, S-13, S-15, S-16, S-18, AND S-20 -
INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	SIP 8-5-320.4.3	Y		Solid sampling or gauging wells: Gap between well and roof shall be added to gaps measured ≤ 1.3 cm (1/2 in)	SIP 8-5-402.3 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	SIP 8-5-320.5.2	Y		Slotted sampling or gauging wells in closed position with cover, seal or lid ≤ 1.3 cm (1/2 in)	SIP 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	SIP 8-5-320.5.3	Y		Slotted sampling or gauging wells: Gap between well and roof shall be added to gaps measured ≤ 1.3 cm (1/2 in)	SIP 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	SIP 8-5-320.6	Y		Emergency roof drain with slotted membrane fabric cover $\geq 90\%$ opening area	SIP 8-5-402 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	SIP 8-5-321.1	Y		No holes, tears or other openings in the primary seal fabric	SIP 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	SIP 8-5-321.2	Y		Primary seal metallic shoe or liquid mounted type	SIP 8-5-402.1 & 8-5-404	P/10 yr	Inspection Certification

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S-1, S-2, S-4, S-5, S-6, S-7, S-8, S-9, S-10, S-11, S-12, S-13, S-15, S-16, S-18, AND S-20 -
INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	SIP 8-5-321.3	Y		For metallic-shoe-type seals, one end of the shoe extends into the stored liquid and the other end extends a minimum vertical distance of 18 inches above liquid surface	SIP 8-5-402, 8-5-404	P/10 yr	Inspection Certification
POC	SIP 8-5-321.3.1	Y		For metallic-shoe-type seals, gap between shoe and tank shell is no greater than 46 cm (18 in)	SIP 8-5-402, 8-5-404	P/10 yr	Inspection Certification
POC	SIP 8-5-321.3.2	Y		For welded tanks, gap between tank shell and the primary seal < 3.8 cm (1 1/2 in). No continuous gap > 0.32 cm ((1/8 in) shall exceed 10% of circumference. The cumulative length of all primary seal gaps exceeding 1.3 cm (1/2 in) < 10% of circumference and the cumulative length of all primary seal gaps exceeding 0.32 cm (1/8 in) < 40% of circumference	SIP 8-5-402, 8-5-404	P/10 yr	Inspection Certification

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S-1, S-2, S-4, S-5, S-6, S-7, S-8, S-9, S-10, S-11, S-12, S-13, S-15, S-16, S-18, AND S-20 -
INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	SIP 8-5-322.1	Y		No holes, tears, or other openings	SIP 8-5-402.2 & 8-5-404	P/twice per year at 4 to 8 months interval	Inspection Certification
POC	SIP 8-5-322.2	Y		Secondary seal shall allow insertion up to 3.8 cm (1 ½ in) in width	SIP 8-5-402, & 8-5-404	P/10 yr	Inspection Certification
POC	SIP 8-5-322.3	Y		Gap between tank shell and the secondary seal shall not exceed 1.3 cm (1/2 in), and the cumulative length of all secondary seal gaps exceeding 0.32 cm (1/8 in) < 5% of circumference	SIP 8-5-402, & 8-5-404	P/10 yr	Inspection Certification
POC	SIP 8-5-328.1.1	Y		For Tank $\geq 75 \text{ m}^3$, tank degassing shall have liquid balancing with $\leq 0.5 \text{ psia}$	None	N	None
POC	SIP 8-5-328.1.2	Y		For Tank $\geq 75 \text{ m}^3$, Tank degassing with 90% control, concentration of organic compounds < 10,000 ppm as methane	SIP 8-5-502	P/A	Source Test

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

Table VII - B
Applicable Limits and Compliance Monitoring Requirements
S-1, S-2, S-4, S-5, S-6, S-7, S-8, S-9, S-10, S-11, S-12, S-13, S-15, S-16, S-18, AND S-20 -
INTERNAL FLOATING ROOF TANKS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	40 CFR 63.11087 (a) and option 2(b) in Table 1	Y		Internal floating roof shall rest or float on the liquid surface, and has a foam- or liquid-filled seal or mechanical shoe seal. Each opening in a noncontact internal floating roof to provide a projection below liquid surface.	40 CFR 63.11092(e)(1) and 60.113b(a)	P/prior to filling, after emptied and degassed but no less than every 10 years, every 12 months after initial fill.	Visual Inspection, Recordkeeping
POC	40 CFR 63.11087 (a) and option 2(d) in Table 1	Y		Internal floating roof with a liquid-mounted seal or mechanical shoe seal.	40 CFR 63.11092(e)(1) and 63.1063(c) (1)	P/prior to initial filling, after emptied and degassed but no less than every 10 years, and annually after initial fill.	Visual Inspection, Recordkeeping
Ethanol Throughput Limit for S-11	BAAQMD Condition #17285 part 1	Y		52,560,000 gallons /yr	BAAQMD Condition #17285 part 2	P/M	Recordkeeping

Table VII - C

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

Applicable Limits and Compliance Monitoring Requirements S-29, S-30, S-31, AND S-32 – UNDERGROUND TANKS/SUMPS

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 #16325, part 1	Y		214,150 gallons/yr	BAAQMD Condition #16325, part 2	P/M	Recordkeeping
Jet Kerosene Throughput limit	BAAQMD Condition #16325, part 1	Y		92,350 gallons/yr	BAAQMD Condition #16325, part 2	P/M	Recordkeeping

Table VII - D
Applicable Limits and Compliance Monitoring Requirements
S-28 - 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
POC	BAAQMD 8-8-301.1	N		Roof seals, other openings Gap < 0.125 inch	BAAQMD 8-8-301.1	P/Initially and semiannually thereafter	Visual inspection
POC	SIP 8-8-301.1	Y		Roof seals, other openings Gap < 0.125 inch	SIP 8-8-301.1	P/Initially and semiannually thereafter	Visual inspection

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

POC	BAAQMD Condition #11349, part 2	Y		Change-out with unspent carbon upon the detection of 10 ppmv and 10% of inlet stream concentration to the carbon bed	BAAQMD Condition #11349, parts 5 and 6	P/W	Flame Ionization Detector
POC	BAAQMD Condition #11349, part 3	Y		Change-out with unspent carbon upon the detection of breakthrough or 6 ppmv	BAAQMD Condition #11349, parts 5 and 6	P/W	Flame Ionization Detector

**Table VII - E
 Applicable Limits and Compliance Monitoring Requirements
 S-35 – ETHANOL UNLOADING RACK**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-6-304	Y		21 gm/cubic meter (0.17 lb/1000 gallons)	None	N	
Ethanol throughput limit	BAAQMD Condition # 23531, part 1	Y		52.56 million gallons/yr	BAAQMD Condition # 23531, part 3	P/M	Recordkeeping

**Table VII - F
 Applicable Limits and Compliance Monitoring Requirements
 S-36 – OFF-SPECIFICATION FUEL UNLOADING RACK**

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
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VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

POC	BAAQMD 8-2-301	N		Not more than 15 lb/day & 300 ppm	None	N	
POC	SIP 8-2- 301	Y		Not more than 15 lb/day & 300 ppm	None	N	
Unloading event	BAAQMD Condition 23549, part 1	Y		10,950/yr	BAAQMD Condition # 23549, part 3	P/M	Recordkeeping

Table VII - G
Applicable Limits and Compliance Monitoring Requirements
FUGITIVE COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-18-301	N		General equipment leak \leq 100 ppm	BAAQMD 8-18-401.2 and 401.5	P/Q, and within 24 hours after repair or minimization	Portable hydrocarbon detector, records
POC	BAAQMD 8-18-302	N		Valve leak \leq 100 ppm	BAAQMD 8-18-401.2 and 401.5	P/Q, and within 24 hours after repair or minimization	Portable hydrocarbon detector, records
POC	BAAQMD 8-18-303	N		Pump and compressor leak \leq 500 ppm	BAAQMD 8-18-401.2, 401.5, and 403	P/Q, and within 24 hours after repair or minimization ; P/D	Portable hydrocarbon detector, records; Visual inspection

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

Table VII - G
Applicable Limits and Compliance Monitoring Requirements
FUGITIVE COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-18-304	N		Connection leak \leq 100 ppm	BAAQMD 8-18-401.2 and 401.5	P/Q, and within 24 hours after repair or minimization	Portable hydrocarbon detector, records
POC	BAAQMD 8-18-305	N		Pressure relief device leak \leq 500 ppm	BAAQMD 8-18-401.2 and 401.5	P/Q, and within 24 hours after repair or minimization	Portable hydrocarbon detector, records
POC	BAAQMD 8-18-306.1	N		Valve, connection, pressure relief device, pump or compressor is repaired within 5 years or at the next scheduled turnaround, whichever date comes first.	BAAQMD 8-18-503	P/ Q	Report
POC	BAAQMD 8-18-306.2	N		Awaiting Repair Valves and Connections \leq 0.30%, Valves with Major Leaks \leq 0.025%, Pressure Relief Devices \leq 1.0%, Pump and Compressors \leq 1.0%	BAAQMD 8-18-503	P/ Q	Report

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

Table VII - G
Applicable Limits and Compliance Monitoring Requirements
FUGITIVE COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	BAAQMD 8-18-306.4	N		A valve with a major leak may not be considered non-repairable for more than 45 days if mass emission >15 lb/day	BAAQMD 8-18-401.10, and 502.4	P/A	Mass emission sampling, records
POC	SIP 8-18-301	Y		General equipment leak \leq 100 ppm	SIP 8-18-401.2 and 401.5	P/Q, and within 24 hours after repair or minimization	Portable hydrocarbon detector, records
POC	SIP 8-18-302	Y		Valve leak \leq 100 ppm	SIP 8-18-401.2 and 401.5	P/Q, and within 24 hours after repair or minimization	Portable hydrocarbon detector, records
POC	SIP 8-18-303	Y		Pump and compressor leak \leq 500 ppm	SIP 8-18-401.2, 401.5, and 403	P/Q, and within 24 hours after repair or minimization ; P/D	Portable hydrocarbon detector, records; Visual inspection
POC	SIP 8-18-304	Y		Connection leak \leq 100 ppm	SIP 8-18-401.2 and 401.5	P/Q, and within 24 hours after repair or minimization	Portable hydrocarbon detector, records
POC	SIP 8-18-305	Y		Pressure relief device leak \leq 500 ppm	SIP 8-18-401.2 and 401.5	P/Q, and within 24 hours after repair or minimization	Portable hydrocarbon detector, records

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

Table VII - G
Applicable Limits and Compliance Monitoring Requirements
FUGITIVE COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	SIP 8-18-306.1	Y		Valve, pressure relief device, pump or compressor must be repaired within 5 years or at the next scheduled turnaround, whichever date comes first.	SIP 8-18-502.4	P/ Q	Report
POC	SIP 8-18-306.2	Y		Awaiting repair Valves $\leq 0.5\%$ Pressure Relief Device $\leq 1\%$ Pump and Compressor $\leq 1\%$	SIP 8-18-502.4	P/ Q	Report
POC	SIP 8-18-306.3.2	Y		Mass emissions & non-repairable equipment allowed Valve ≤ 0.1 lb/day & $\leq 1.0\%$ Pressure Relief Device ≤ 0.2 lb/day & $\leq 5\%$ Pump and Compressor ≤ 0.2 lb/day & $\leq 5\%$	SIP 8-18-502.4	P/ Q	Report
POC	SIP 8-18-306.3.3	Y		Total valve, pressure relief, pump or compressor leaks ≥ 15 lb/day, they must be repaired within 7 days	SIP 8-18-502.4	P/ Q	Report

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

Table VII - G
Applicable Limits and Compliance Monitoring Requirements
FUGITIVE COMPONENTS

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
POC	SIP 8-25-302	Y		Pump leak \leq 500 ppm	SIP 8-25-401.2, and 403	P/Q; P/D	Portable hydrocarbon detector, records; ; Visual inspection
POC	SIP 8-25-303	Y		Compressor leak \leq 500 ppm	SIP 8-25-401.2, and 403	P/Q; P/D	Portable hydrocarbon detector, records; ; Visual inspection
POC	SIP 8-25-304.1	Y		Pump or compressor repaired within 5 years or next scheduled turnaround, whichever is first.	SIP 8-25-503.4	P/M	Recordkeeping
POC	SIP 8-25-304.2	Y		Awaiting repaired valves $<$ 1.0%	SIP 8-25-503.4	P/M	Recordkeeping
POC	SIP 8-25-305	Y		New or replaced pump and compressor leak \leq 500 ppm for 4 consecutive quarters	SIP 8-25-401.2, and 403	P/Q; P/D	Portable hydrocarbon detector, records; ; Visual inspection
POC	SIP 8-25-306	Y		Repeat pump, compressor leak must meet SIP 8-25-304 and 305	SIP 8-25-401.2, and 403	P/Q; P/D	Portable hydrocarbon detector, records; ; Visual inspection
POC	40 CFR 63.11089	Y		Liquid or vapor leak	40 CFR 63.11089(a)	P/M	Inspection, Recordkeeping

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

Table VII – H
Applicable Limits and Compliance Monitoring Requirements
S-33, Emergency Diesel-Engine Generator

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Opacity	BAAQMD 6-1-303.1	N		Ringelmann 2.0 for no more than 3 minutes in any hour	None	N	
PM	BAAQMD 6-1-305	N		Visible Particles	None	N	
FP	BAAQMD 6-1-310	N		0.15 gr/dscf	None	N	
Opacity	SIP 6-303.1	Y		Ringelmann 2.0 for no more than 3 minutes in any hour	None	N	
PM	SIP 6-305	Y		Visible Particles	None	N	
FP	SIP 6-310	Y		0.15 gr/dscf	None	N	
SO ₂	BAAQMD 9-1-301	Y		Property Line Ground Level Limits: ≤ 0.5 ppm for 3 minutes and ≤ 0.25 ppm for 60 min. and ≤ 0.05 ppm for 24 hours	None	N	
SO ₂	BAAQMD 9-1-304	Y		0.5% wt Sulfur in liquid fuel		P/E	Fuel certification of each delivery
Hours of Operation	BAAQMD 9-8-330.1	N		Unlimited hours for emergencies	BAAQMD 9-8-530.2	P/M	Records
Hours of Operation	BAAQMD 9-8-330.3	N		50 hours per year for reliability-related activities	BAAQMD 9-8-530	P/M	Records

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

Table VII – H
Applicable Limits and Compliance Monitoring Requirements
S-33, Emergency Diesel-Engine Generator

Type of Limit	Citation of Limit	FE Y/N	Future Effective Date	Limit	Monitoring Requirement Citation	Monitoring Frequency (P/C/N)	Monitoring Type
Hours of Operation	CCR, Title 17, Section 93115.6(b)(3)(A)(1)(a)	N		20 hours/yr for maintenance and testing	CCR, Title 17, Section 93115.10(d)(1) and 10(f)(1)(B)	C; P/M	Non-resettable hour meter; Records.
Hours of Operation	40 CFR 63.6640(f)(1)	Y		Unlimited hours for emergencies	40 CFR 63.6625(f) and 63.6655(f)(2)	C	Non-resettable hour meter; Records
Hours of Operation	40 CFR 63.6640(f)(2)	Y		100 hours/yr for maintenance checks, readiness testing, emergency demand response, and periods where there is a deviation of voltage or frequency of 5% or greater below standard	40 CFR 63.6625(f) and 63.6655(f)(2)	C	Non-resettable hour meter; Records
Hours of Operation	40 CFR 63.6640(f)(3)	Y		50 hours/yr for non-emergency	40 CFR 63.6625(f) and 63.6655(f)(2)	C	Non-resettable hour meter; Records
Hours of Operation	BAAQMD Condition #22820, part 1	N		20 hours/yr for maintenance and testing	BAAQMD Condition #22820, part 3, and 4	C; P/M	Non-resettable totalizing meter; Records
Hours of Operation	BAAQMD Condition #22820, part 2	N		Unlimited hours for emergencies	BAAQMD Condition #22820, part 3, and 4	C; P/M	Non-resettable totalizing meter; Records

VII. APPLICABLE LIMITS & COMPLIANCE MONITORING REQUIREMENTS

VIII. TEST METHODS

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 6-1-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 6-1-310	Particulate weight limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
SIP 6-301	Ringelmann No. 1 Limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
SIP 6-310	Particulate weight limitation	Manual of Procedures, Volume I, Evaluation of Visible Emissions
BAAQMD 8-2-301	Determination of Compliance	Manual of Procedures, Volume IV, ST-7, Non-methane Organic Carbon Sampling, or EPA Method 25 or 25A.
SIP 8-2-301	Determination of Compliance	Manual of Procedures, Volume IV, ST-7, Non-methane Organic Carbon Sampling, or EPA Method 25 or 25A.
BAAQMD 8-5-301	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 8-5-303.2	Pressure vacuum leak concentration	EPA Reference Method 21, Determination of Volatile Organic Compounds Leaks
BAAQMD 8-5-328.1	VOC emissions for tank cleaning	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling
SIP 8-5-301	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
SIP 8-5-303.2	Pressure vacuum leak concentration	EPA Reference Method 21, Determination of Volatile Organic Compounds Leaks
SIP 8-5-328.1.2	VOC emissions for tank cleaning	Manual of Procedures, Volume IV, ST-7, Non-Methane Organic Carbon Sampling
BAAQMD 8- 6-304	Efficiency and rate determination	Manual of Procedures, Volume IV, ST-34, Bulk and Marine Loading Terminals Vapor Recovery Units

VIII. TEST METHODS

**Table VIII
 Test Methods**

Applicable Requirement	Description of Requirement	Acceptable Test Methods
BAAQMD 8-8-301, 302	Vapor tight cover	EPA Reference Method 21, Determination of Volatile Organic Compounds Leaks
SIP 8-8-301, 302	Vapor tight cover	EPA Reference Method 21, Determination of Volatile Organic Compounds Leaks
BAAQMD 8-18-301 through 305	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
SIP 8-18-301 through 305	Leak inspection procedures	EPA Reference Method 21, Determination of Volatile Organic Compounds Leaks
SIP 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
SIP 8-25-301 through 303	Leak inspection procedures (pumps and Compressors)	EPA Reference Method 21, Determination of Volatile Organic Compounds Leaks
BAAQMD 8-33-202	Analysis of samples	Manual of Procedures, Volume III, Method 13, Determination of the Reid Vapor Pressure of Petroleum Products
BAAQMD 8-33-301	Emission Rate Determination	Manual of Procedures, Volume IV, ST-34, Bulk and Marine Loading Terminals Vapor Recovery Units, CARB Test Procedure TP-203.1, or EPA Method 25
BAAQMD 8-33-304.6	Vapor Tight (Gasoline Cargo Tanks)	Manual of Procedures, Volume IV, ST-33, Gasoline Cargo Tanks and CARB Procedure TP-204.3
BAAQMD 8-33-309.2	Back Pressure Determination from Vapor Recovery System	Manual of Procedures, Volume IV, ST-34, Bulk and Marine Loading Terminals Vapor Recovery Units
BAAQMD 8-33-309.5	Vapor Leak Concentration Determination	CARB TP-204.3, Determination of Leak(s)
SIP 8-33-203	Analysis of samples	Manual of Procedures, Volume III, Method 13, Determination of the Reid Vapor Pressure of Petroleum Products
SIP 8-33-301	Emission Rate Determination	Manual of Procedures, Volume IV, ST-34, Bulk and Marine Loading Terminals Vapor Recovery Units
SIP 8-33-304.1	Vapor Tight – Delivery Vehicles	Manual of Procedures, Volume IV, ST-33, Gasoline Cargo Tanks

VIII. TEST METHODS

Table VIII
Test Methods

Applicable Requirement	Description of Requirement	Acceptable Test Methods
SIP 8-33-309	Back Pressure Determination from Vapor Recovery System	Manual of Procedures, Volume IV, ST-34, Bulk and Marine Loading Terminals Vapor Recovery Units
BAAQMD 9-1-302	Sampling and Analysis of Gas Streams	Manual of Procedures, Volume IV, ST-19A, Sulfur Dioxide, Continuous Sampling, or ST-19B, Total Sulfur Oxides Integrated Sample
Subpart XX 40 CFR 60.502(b)	Emission rate determination	Performance test as described in 60.503(c)
Subpart XX 40 CFR 60-502(e)	Vapor-tight gasoline tank trucks	EPA Reference Method 27, Determination of vapor tightness of gasoline delivery tank using pressure vacuum test
Subpart XX 40 CFR 60-502(h)	Delivery tank pressure determination	Performance test as described in 60.503(d)

IX. PERMIT SHIELD

Not applicable.

X. REVISION HISTORY

Initial Title V Permit Issuance (Application 25363): August XX, 2013

XI. GLOSSARY

XI. 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.

Federally Enforceable, FE

XI. GLOSSARY

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

Standards of Performance for New Stationary Sources. Federal standards for emissions from

XI. GLOSSARY

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

Total Hydrocarbons (NMHC + Methane)

XI. GLOSSARY

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